





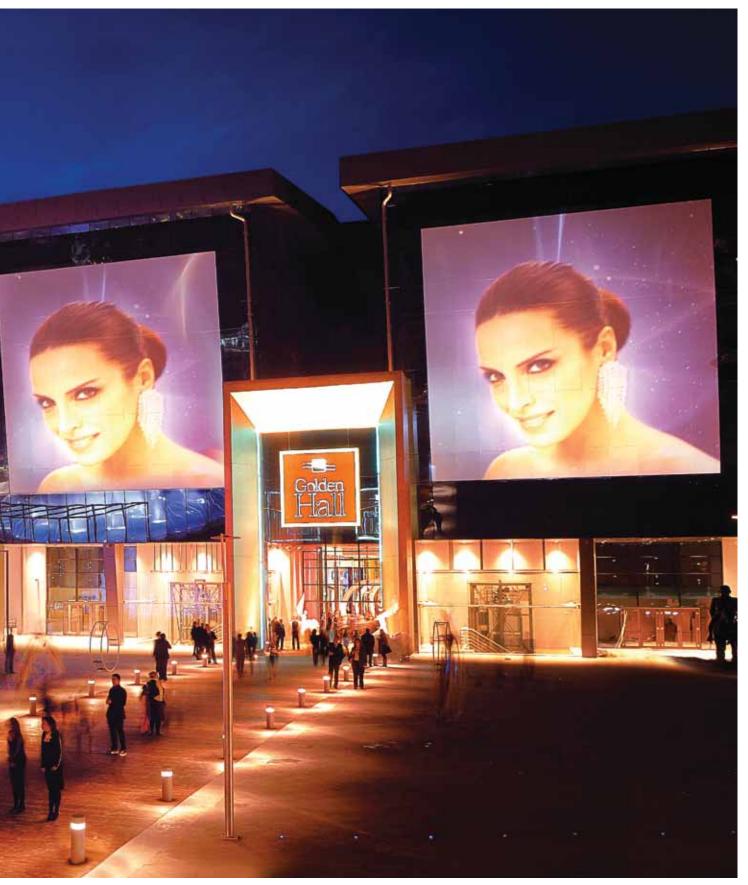
2013 Product Catalogue

We've already set the bar high. This time we lift it higher. Again.

2013 Product Catalogue The Big Book of Fountains

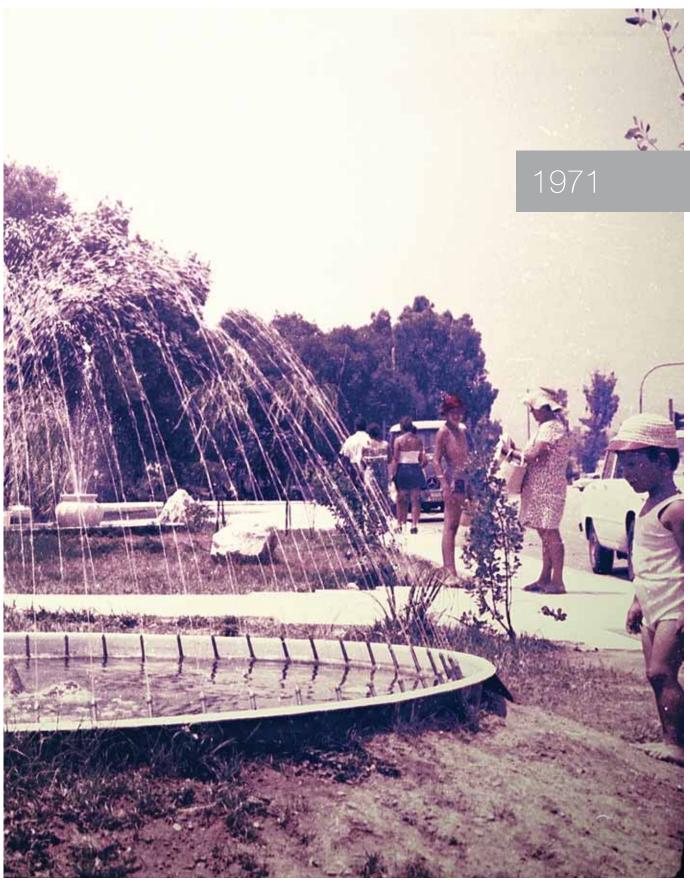


When water becomes a work of art.

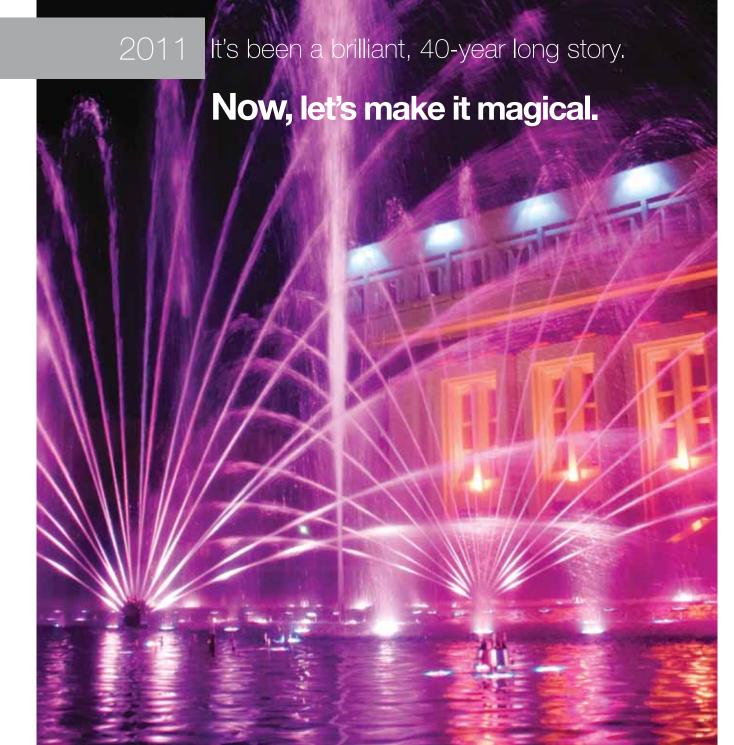


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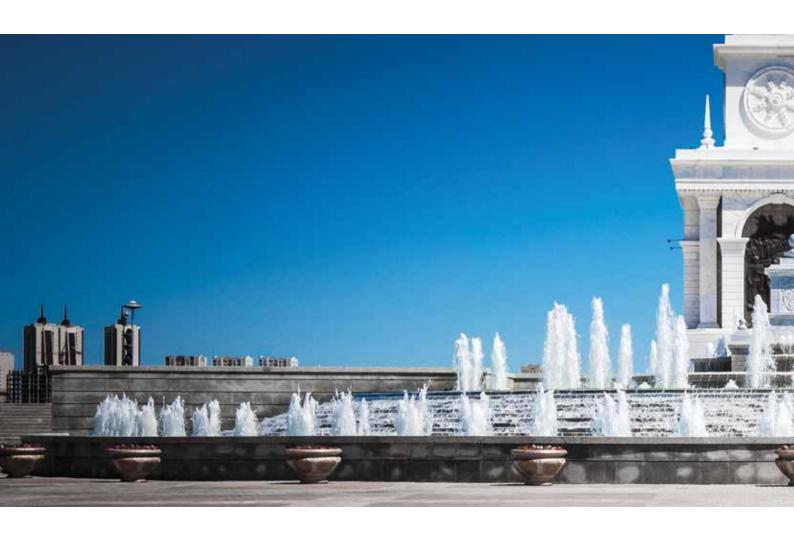
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What a fountain actually is...

by Paris Antoniadis, Founder & President

Back in 1971, when Fontana made its first fountain, it was something spectacular, something that attracted people to just stand and watch. For today's standards, it was nothing special really, it wasn't even illuminated at night, but still, it was something worth admiring. Next to this fountain, a passion took form, a hobby transitioned to profession and a brilliant history was just starting.

Skilled engineers, talented artists and fountain technicians were added exponentially throughout the years in the Fontana family and we all share a rather twisted perception of water. We don't see, taste or sense water the way everybody else does. We see water as a medium to create emotions.

This is what a fountain, actually is. A way to deeply involve with the spectator through the most fundamental and fascinating substance on earth. Every fountain has a unique character; it might convey tranquility, it might be a work of art, it might trigger one's imagination through its perpetual fluid motion, or it can be a mind-blowing extravaganza with massive volumes of water, impressive light shows and even fire, all dancing to music, following a dramatic choreography. It can essentially be anything – anything that one can imagine of. Our job is to turn extraordinary ideas into marvelous fountains. We have our own proposals but we can also turn your idea into a liquid piece of art.

Every fountain consists of a series of nozzles, underwater luminaires, pumps, control systems and various other components, but these parts are not just simple pieces of metal. Every fountain component is a marvelous piece of engineering, design and functionality; elaborately devised, precisely engineered and exhaustively tested under the harshest conditions to make sure it will give the water flowing through it the exact form we want – for decades to come.

When every fountain nozzle in the market was made of bronze or brass or even sometimes





tombac, we started looking for a much better material. Much more resistant to corrosion than bronze, lighter than tombac, harder than polyamide and we ended up revolutionizing the Fountain industry by using Stainless Steel. At first there were the stainless steel luminaires, then the first -worldwide- stainless steel Cascade jet, right after the fountain heads came up and finally a brand new type of Jumping Jet with splash-free cutting and an incredible in-house developed cutting mechanism.

Meanwhile, we created from scratch a range of truly intelligent LED underwater luminaires that offer exceptional light intensity & vivid colors while consuming up to 96.7% less energy than conventional bulbs and also sporting industry-unique control and safety features. A fountain turns into magic when properly illuminated and we have put all of our expertise in these luminaires to achieve this in the most energy efficient way. Such lights illuminate the highest fountain in Netherlands and thousands even larger or smaller fountains all over the world, every night.

We also believe that cutting-edge technology is an essential part of every fountain. We developed some unique technologies like controlling your fountain through your iPad and a series of other technological marvels that have revolutionized the fountain industry.

We spent the most part of the last 5 years as an RnD lab, we upgraded our production line with the addition of amazing machines like Laser Cutters, CNC machines, specialized presses and other equipment to offer even better fountain equipment, even faster.

This company has been made famous for the quality of our products and services and we couldn't be anything else than proud of it but also strongly committed to continue to advance in fountain design, engineering and manufacture.

We like doing things our way – the Fontana way. This principle is what essentially adds value to your fountain.



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Giving shape to water since 1971











Services

Fontana designs, manufactures, installs and exports fountain equipment since 1971 to thousands of clients across 55 countries.

We have some of the most advanced gear, from design and simulation software to a state-of-the-art production line with laser cutters, CNC machines and some of the world's most talented fountain engineers and technicians. These, combined with our 42-year experience in fountain projects of all scales, partnerships with leader companies like Grundfos and numerous innovations make us a worldwide pioneer in fountain design and manufacture.

Apart from fountain design and manufacture, we can assist you in every aspect of your fountain project. More about our services on page 17.

Custom Products

All Fontana standardised products can be customized according to customer requirements (e.g. 316 stainless steel, longer cable lengths, alternate mounting systems or spray patterns).

If however, you are looking for a unique water effect, nozzle, luminaire or anything related to water, Fontana also creates custom products. Since 1971 we have designed and manufactured extraordinary fountain equipment numerous times.

With the aid of cutting-edge software and machines we can quickly develop a unique component, comprehensively test it in our facilities and manufacture it in very short times.

Testing Equipment & Facilities



An important aspect of our ISO 9001 certified quality management system is the attention we pay to every product's testing. We carry out extensive tests on all products to meet all safety requirements but most of all, we test them to ensure that they meet our own strict principles regarding quality, performance, efficiency and safety.

There are 4 large pools - 2 interior and 2 exterior ones, state-of-the-art & certified testing equipment like super-accurate flow & head instruments, optometric devices, photometry, beam and spectrum analyzers, thermal cameras, a full-fledged electronics laboratory, a large dark pool to test luminaires, water & light shows and various other instruments that make sure that every prototype, every product and every control panel merits the Fontana label.

Environment

We take the environmental impact of our products and procedures seriously and we focus on every aspect of our products' life to be as "green" as possible. First of all, Fontana has been the first company in the industry to use stainless steel so extensively. This material is the greenest one among others e.g. bronze, brass, tombac and especially plastic. It also lets us use far less material in our fountain components since it is exceptionally strong compared to its weight while providing superior mechanical properties. Our entire production line is optimized to minimize our environmental footprint. We have minimized energy consumption, we utilize zero toxic liquids and gas in the manufacturing procedure, we do extensive recycling and we use recycled materials wherever possible (like packaging) without diminishing the renowned quality of our products.

Apart from the eco materials and manufacturing procedures, we are also deeply concerned about the environmental impact of our products when in operation. It is an important factor throughout the design of every product what happens when it will be in use. For example, our TheSmartLED[™] lights range is designed to offer exceptional illumination while consuming up to 96.7% less electricity compared to conventional bulbs and up to 51% compared to competitive LED luminaires.

Warranty

We have been congratulated numerous times about the quality of our equipment and lots of flattering comments on our works have made us proud throughout our 42 years in the industry. Our experience allows us to offer extensive Warranty and a truly customer-friendly return policy. We design and manufacture every fountain component to perform exceptionally under the harshest conditions, in various climates, day-in, day-out for decades.

The Warranty for pumps, nozzles, luminaires, control panels and every other fountain component can reach 5 years – an industry unique value.

If any Fontana product malfunctions due to production error, you can instantly return it – no questions asked.

Shipping

Our products are shipped to 55 countries across 5 continents for more than 40 years. You can select your favorite shipping and/or insurance method or you can let us find the best one for you considering time & cost.

Athens Olympics 2004

The Olympic Committee and Mr. Santiago Calatrava relied on Fontana Fountains to realize their dreams for an event full of water. In fact, 725 Water Jets, 2840 Underwater Luminaires, 17 Waterfalls, 68 Fountain Systems and a stunning 75-meter high fountain stream were used, resulting in a truly glorious spectacle.

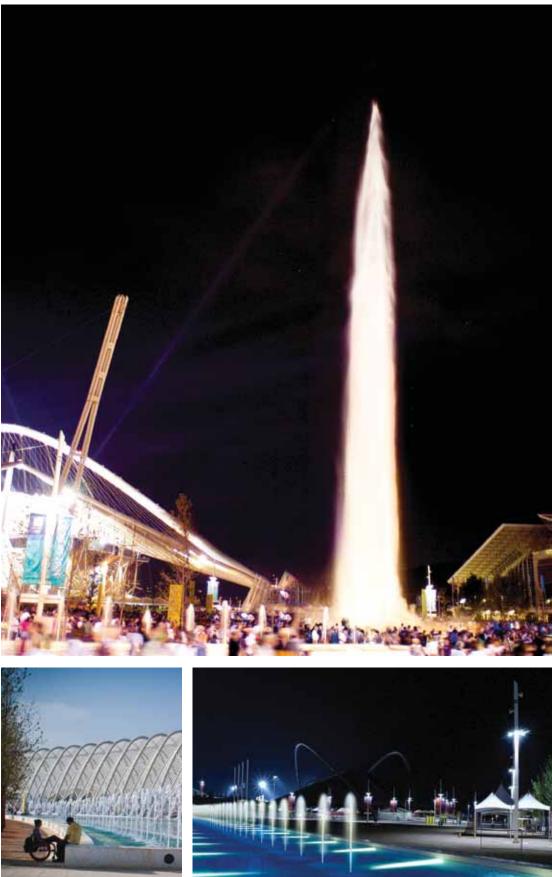




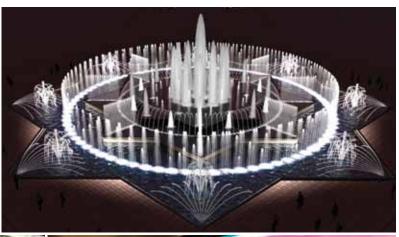
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Design & Consulting







CLIENT CONNECTION

This is the first and one of the most valuable steps in the process. It is our first connection where we get to know each other, the vision and the expectations of the client. It is the point where we constantly ask questions and thoroughly discuss every bit of the project.

CONCEPT RESEARCH & DESIGN

After the initial brief, it is time for brainstorming. We proceed right away with the concept research and start designing draft sketches of the fountain. We examine all possible forms, scales and effects of water. This is the time when the most incredible ideas pop up - numerous designs and alternatives end up on the table.

VISUALIZATION & ANIMATION

Once the design of the fountain starts to take form, the digital artists kick in and a detailed visualization of the fountain is created. With the aid of the latest 3D technologies and fluid simulation software, we create stunningly realistic images and movies of the fountain and the surrounding area. At this point, the client can see their fountain. Final adjustments are also made, so the design meets the exact requirements of the client.

PROPOSAL & PRESENTATION

A detailed proposal and a thorough presentation with images, videos and lots of information is prepared and sent or presented in person to the client. Areas of responsibility are also clarified in this step.

ENGINEERING

Once the fountain design is confirmed, the engineers start creating mechanical drawings of the entire fountain infrastructure and fountain system with nozzles', lights', pumps', cables' and automation devices' arrangement, pump room specs etc. Also the electrical drawings are prepared.

MANUFACTURING

The manufacturing process has already started. The entire production line, all the cutting-edge equipment like Laser cutters, CNC machines etc. start working nonstop to finish the order as fast as possible, some times earlier than the agreed delivery time.

QUALITY CONTROL

Before packaging, every component of the fountain is strictly examined and tested to pass our ISO 9001 certified Quality Management System. Then everything is packed safely and neatly in boxes and loaded for shipment. Now it's a matter of time for the new fountain to arrive at the site. Sometimes, it can be the next day.

INSTALLATION & COMMISSIONING

Even though our products are remarkably easy to install, if installation is asked by the client, our experienced installation & commission teams prepare their luggage and installation gear and fly to the site. They install the entire fountain system, the lights and the control system in the most professional way, keeping always in mind the ease of maintenance and most primarily the safety of the fountain. The supervisors make sure that everything is installed properly, every water stream is fine-tuned, every light points correctly at the streams and all the little details that matter the most. If it is a dancing fountain the choreographies now run for testing and fine-tuning purposes. Nobody leaves the site until the fountain operates as designed and the client is satisfied.

AFTER SALES SUPPORT

Our after sales support is renowned for our quick response to any incident. If a problem appears, we 'll help you fix it as soon as possible. And if for any reason, there is problematic equipment due to production error, the part is replaced right away - no questions asked.

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THERE ARE 10 POINTS FOR A SUCCESSFUL FOUNTAIN. AND YOU HAVE US BY YOUR SIDE IN EVERY ONE OF THEM.

- **01.** Client Connection
- 02. Concept Research & Design
- **03.** Visualization & Animation
- 04. Proposal & Presentation
- **05.** Engineering
- **06.** Manufacturing
- **07.** Quality Control
- 08. Installation
- 09. Commissioning
- **10.** After Sales Support



FREE ASSISTANCE TO CONSULTANTS

We offer free support to Consultants to complete their fountain projects. If you want to specify Fontana equipment in your project, you can have our engineering services, our 4-decade experience and our entire drawings and media files at your disposal to carry out your fountain project effortlessly and risk-free.



The definition of success for a fountain designed to create emotions.

When it comes to emotions, kids are the most relentless judges. The fountain at McArthurGlen was designed neither to decorate nor accompany the amazing village-formed infrastructure, but to be the center of attention and actively create emotions.

Since day one, every day and night kids and adults engage passionately with this fountain. Taking snapshots, getting wet inside it, becoming an illusional director for a moment or simply taking a break in the nearby cafés; this fountain was designed to be a lively part of each visitor's experience in this shopping village. This photo simply proves its success.









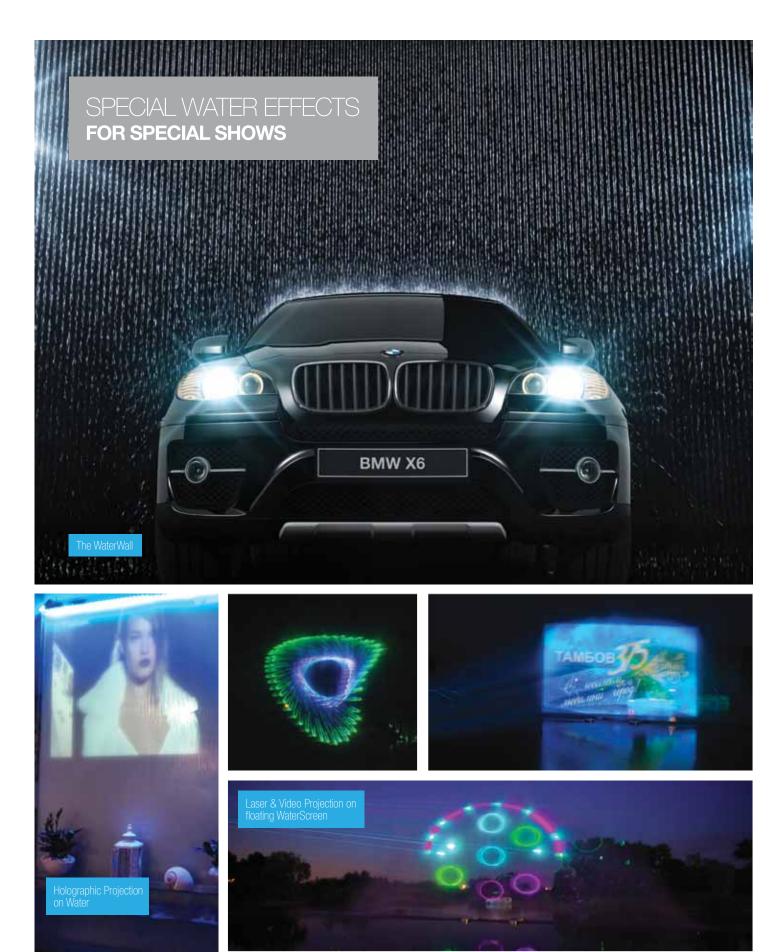
Our products don't just look like modern stainless steel. They are 100% pure Stainless Steel.

We were the first company to introduce and incorporate in the majority of our products the use of stainless steel. A remarkable material with numerous advantages over the other materials used in the fountain industry.

The exceptional quality of this alloy in combination with precision engineering, specialized CNC machines, state-of-the-art Laser cutters and some of the world's most skilled fountain technicians, result in fountain equipment of unique quality.

Read more on page 52.















Accompanying the world's most impressive structures. Trusted by the world's most talented architects and

consultants.



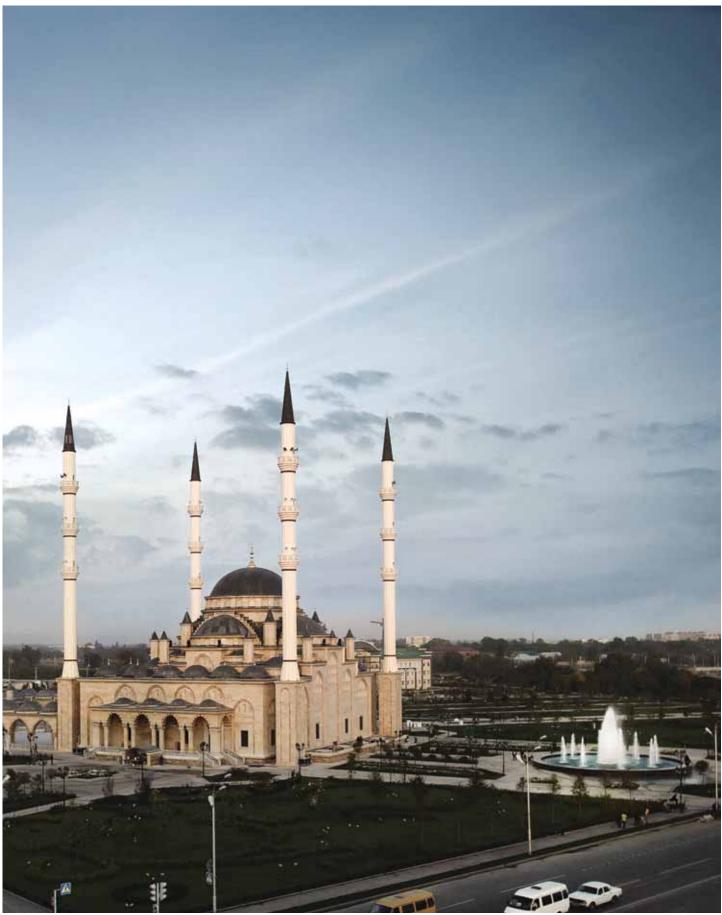




















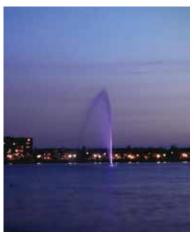




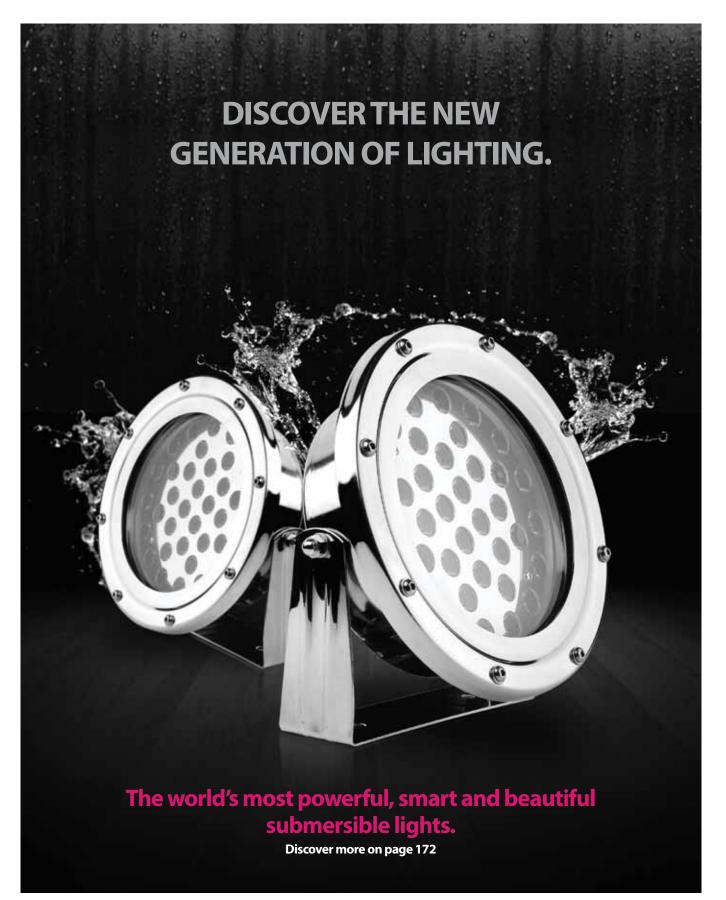




Only 6 UL800s are illuminating the highest -50m– fountain in Netherlands with 16.7 million vibrant colors while consuming just 240 Watts in total.







FONTANN

WE WERE OBLIGED TO PUT THIS LABEL ON THESE LUMINAIRES.



You can only imagine what 235.435 candelas of pure light mean...

p.s. And they are consuming as much as a standard bulb.



Swimming Pool Lights

Turning a beautiful swimming pool into something spectacular with pure White or vivid Multicolor Illumination by the most powerful, intelligent and energy saving LED luminaires.

Made entirely of Stainless Steel.

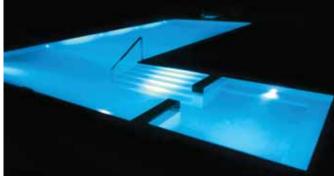








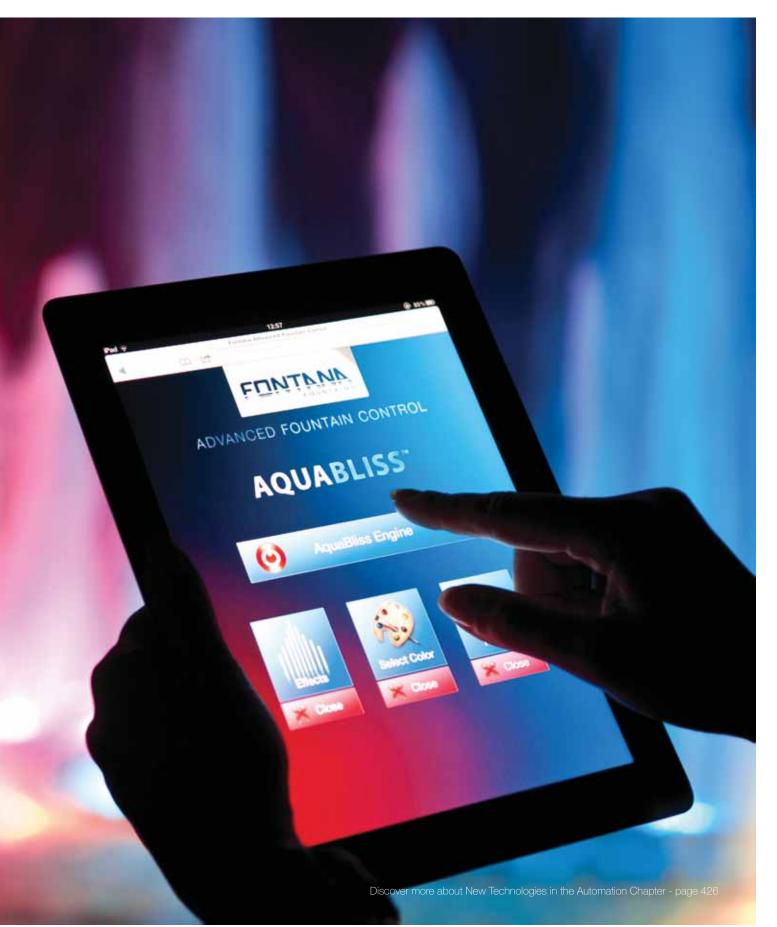




CUTTING EDGE TECHNOLOGY IN THE FOUNTAIN INDUSTRY.

The iPad is the epitome of advanced technology of the 21st century and Fontana Advanced Fountain Control is a masterpiece of Technology, Inspiration and Engineering.

It essentially gives you functionality in a way that reaches the margins of magic.

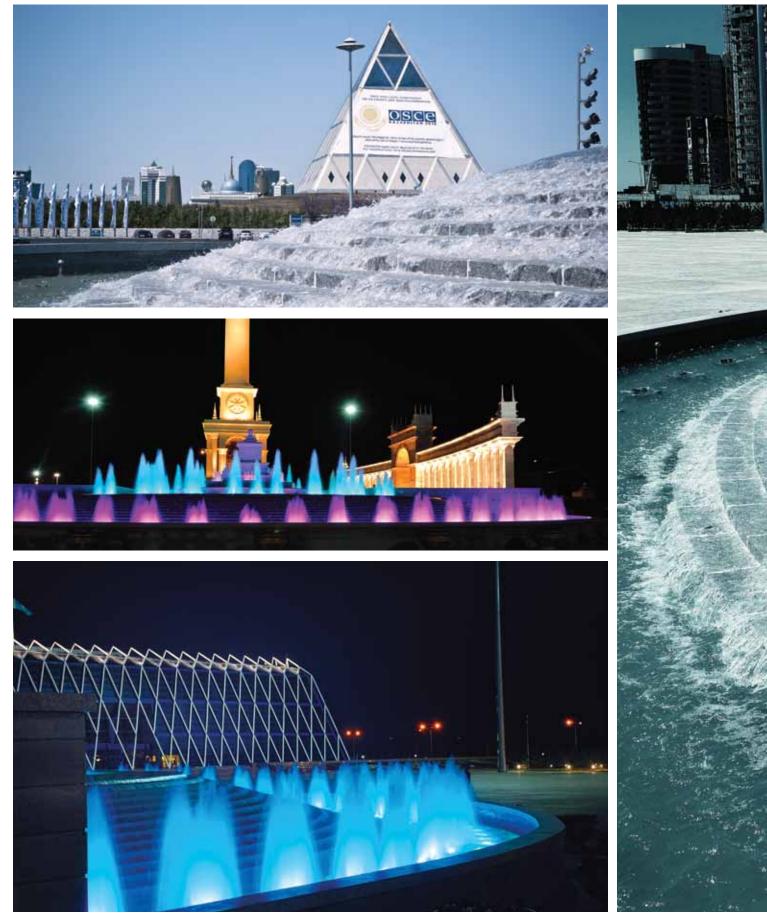


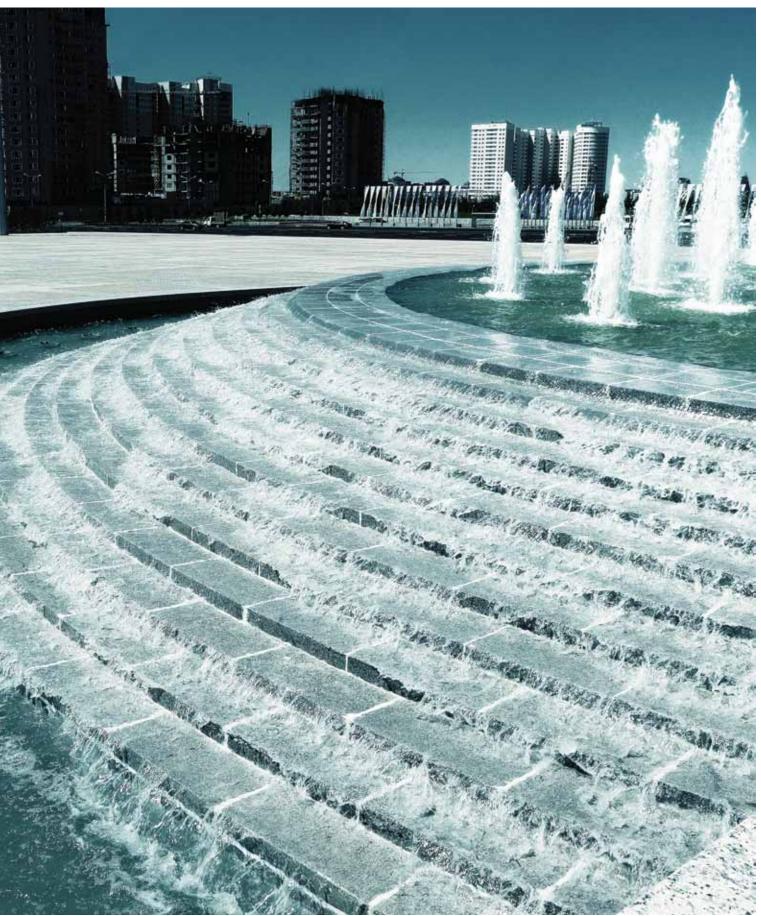
"The most beautiful Fountain in Kazakhstan"

Astana's Public Authorities





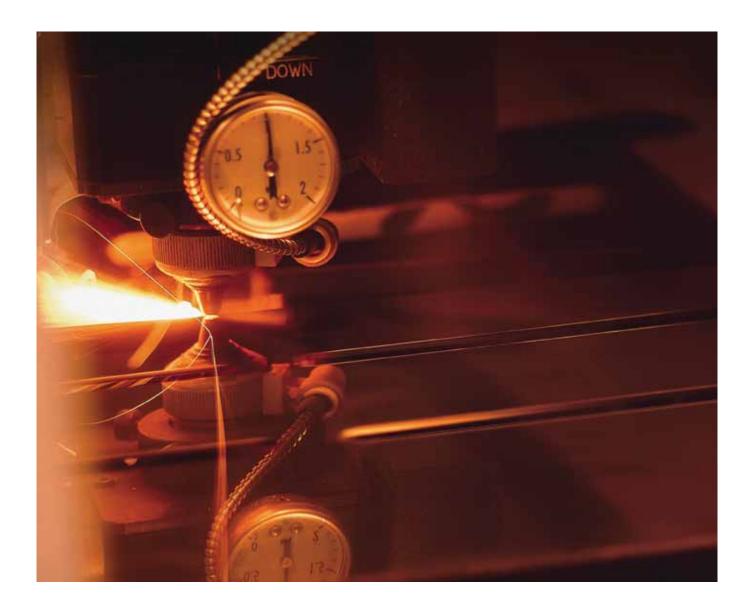




When water goes along with important moments.







We 've made major investments in a state-of-the-art production line to deliver even better fountain equipment, even faster. Plus everything is US or EU origin.

With a strong dedication to quality and customer satisfaction, we have made major investments in a state-of-the-art production line to deliver even better fountain equipment, even faster.

A multitude of cutting-edge technologies, CNC machines, Laser Cutters, welding machines, polishing machines, stainless steel formation machines, benders, presses and numerous more specialized machines in combination with some of the world's most skilled fountain technicians, in-house developed techniques and testing facilities are what make this high end fountain equipment.

Precision engineering & construction, combined with the best US and EU-origin raw materials ensure that every component meets our strict quality standards to last and work effectively, reliably but most of all safely under the harshest conditions.



We shrinked this



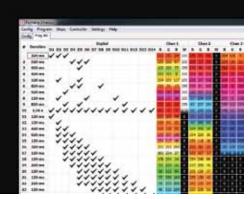
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Discover more on page 430

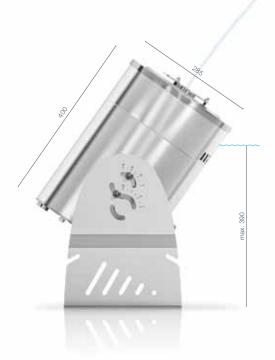




This is water. It is created by stainless steel jumping jets.

Discover more about Jumping Jets on page 400.

Fontana Jumping Jets A mind-blowing water effect with remarkable durability.



Jumping Jets. A mind-blowing water effect that defies the laws of gravity and fluid physics. It is essentially a water rod, so steady that resembles to glass and yet so lively. This glass-like stream always follows its arc-shaped, parabolic trajectory without falling under it. Seeing this special water effect closely is an astonishing experience both day and night with its amazing million-color light spectrum.

We precisely engineered and manufactured these jets to be absolutely stunning, in every manner. Construction-wise, they are entirely made of stainless steel, inside-out, to insure the integrity of the jet & the water effect and remain pristine under the harshest adversities for years to come even when operating overtime. Engineering-wise, we developed a remarkable low voltage Cutting Mechanism which is not based in motors or solenoids with incredible characteristics like droplet-free cutting and 10 bursts per second. Illumination-wise, we incorporated an amazing 8W, RGBW, 4-core, single chip luminaire with exceptionally vivid colors to uniformly illuminate the water stream internally in its entire length. Electronics-wise, we made Jumping Jets capable to be controlled over a multitude of platforms - from simple electronic panels, to PLCs, to DMX, to BMS systems, even through iPad.







Peace of mind. This is what this sticker on a fountain's control panel means.

Having built thousands of Control Panels, Fontana has always been dedicated to utilizing the greatest technological advancements and components in our control systems, always meeting our own and VDE guidelines for quality and safety. On top of that, we have received an ISO 9001 certification for design, manufacture, installation and technical support of our control panels.

There is a range of standardised control panels but we also build systems based on each project's unique requirements. Every Fontana Control Panel is precisely designed and built to take full advantage of each fountain's characteristics pump-wise, illumination-wise and automation-wise, to be absolutely functional, safe and reliable for continual use. These systems are capable to operate fully automated but retain total manual functionality with all safety, protection and fail-safe features constantly active to prevent harm to people or animals and to the fountain infrastructure. Moreover, all Fontana Control Panels are designed for fast & easy connection with other automation equipment like BMS systems.

We pay a lot of attention to the design of these Control Panels as well, using beautiful materials, well designed annotation and flawless organization of components and wiring - every device is where it should be, quickly & safely accessible. Every Fontana Control Panel is made with superior quality materials & components and is delivered pre-wired, ready for installation with full documentation on system's operation & configuration.

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Pond & Pool Illumination



A new series of compact, solid unibody LED luminaires that come in standing or surface versions, ideal for pond and pool illumination. **XL Series. More on page 206.**

HIGH

Why Stainless Steel?

All the truth about the most flawless material.

There are no more than 5 main materials commonly used in the fountain industry. One of them though, outstands: Stainless Steel. Fontana was the first company to introduce the extensive use of Stainless Steel in the construction of fountain components, nozzles and luminaires. It took us time and effort to master the process of Stainless Steel but the remarkable advantages of this alloy in fountains definitely worth it. Stainless Steel is a unique alloy that allows for less material used in every product as it is exceptionally strong compared to its weight, it offers remarkable corrosion and impact resistance, it is beautiful and it offers significantly improved flow performance compared to competitive cast products.

We have developed specialized, in-house manufacturing techniques to process stainless steel and a series of cutting-edge technology machines like Laser cutters, CNCs, presses and welding machines are responsible for the flawless, made of stainless steel, Fontana fountain equipment.

The most common materials used in fountains:

Bronze

An alloy of copper and zinc with high percentage of copper. Averagely strong alloy, easy to shape. Bronze performs well in both sweet and salty water. Now, when it comes to fluid dynamics, if the fountain component is cast-made, the water effect is ruined due to its rough and uneven finishing, while at the same time vast amounts of water are wasted due to inside friction. Also, bronze-made parts tend to tarnish depending on water conditions. Although bronze does not stain, it usually oxidizes externally.

Brass

An alloy of copper and zinc with high percentage of zinc. Not so strong and durable alloy, yet very easy to form. Brass is not suitable for chlorine or salty water, as it is highly vulnerable to corrosion and oxidization. Similar to bronze, when the components are cast, the water shape result is ruined, because of the rough and uneven surface. Appearance is also degraded after some time in water collecting salts, bacteria & algae.

Tombac

A brass alloy with high copper content and zinc. It is a cheap malleable alloy mainly used for medals, ornaments, some low-value coins and most widely to imitate gold in faux jewelry. This alloy is nearly strong as bronze, yet easier to shape. While being considered as a hard alloy, it still remains 400% weaker than Stainless Steel, with the Strength-to-Weight ratio remaining incompetent to the unrivalled quality and value for money of Stainless Steel.



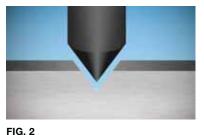
A little bit of science

Stainless steel was invented early in the 20th century when it was discovered that a certain amount of the metal chromium (usually a minimum of 11%) added to ordinary steel gave it a bright shiny gloss and made it highly resistant to tarnishing and rust. This rust-resisting property which we call "corrosion resistance" is what sets stainless steel apart from most other forms of steel and alloys. The chromium content of the steel allows the formation of a rough, adherent, invisible, corrosion-resisting chromium oxide film on the steel surface. If damaged mechanically or chemically, this film is rapidly self-healed through a process called "Self-Passivation", making Stainless Steel nearly impossible to corrode or rust.



FIG. 1

In any normal oxidising environment, a protective coating of passive chromium rich oxide film is automatically formed on stainless steel.



When scratched, damaged or machined this protective film is denuded exposing the steel to the atmosphere.



FIG. 3 The protective coating is quickly restored through the rapid self-repairing quality of the chromium rich film.

It's a unique type of steel. Not a coating.

It is important to appreciate that stainless steel is a solid material and not a special coating applied to ordinary steel to give it "stainless" properties. Conventional steels and, indeed, several other metals such as Bronze, Brass, and Tombac are often coated or "plated" with white metals such as chromium, nickel or zinc to protect their surfaces or to provide other surface characteristics. While such coatings have their own benefits and are still widely used, the danger exists that the coating can be penetrated or damaged in some way, such that its protective effect is undermined.

Corrosion Resistance & Lifespan

Stainless Steel is nearly impossible to corrode or rust as thoroughly explained above. Apart from the aesthetic appearance and visual reasons, corrosion is the date-of-expiration in fountain industry. Once corrosion begins, there is no much to do to "save" the product. This is why many manufacturers plate Bronze/Brass/Tombac parts with Nickel, Chromium and other white metals. This is not the solution though, as these coatings tend to wear-off and expose the alloy underneath pretty soon. Stainless Steel fountain components and lights, do not corrode, do not rust, do not tarnish and maintain their mechanical properties intact. This fact is what gives Fontana products literally unlimited lifespan and durability.



Polyamide

Also known as Nylon, polyamide is a plastic. Very low quality material providing a considerably short lifespan, polyamide fountain components and lights, are vulnerable to sunlight, heat, strikes and natural adversities. Polyamide is 1287% weaker than Stainless Steel and 321% than Tombac. Usually used over the last years for small, low-end, and low-cost projects, because of the low price. When seeking for quality, polyamide is not an option.

Stainless Steel

Stainless Steel (also commonly referred to as "Inox") is an alloy of the metal Iron, the metal Chromium (~11%) and some other metals in lower percentages. It is the chromium that makes Stainless Steel... Stainless. Chromium forms a very thin layer of 10-100nm on the surface of the steel, giving it exceptional corrosion, rusting and tarnishing resistance. The even more amazing effect is that in case of damage or impact, this layer is instantly reformed through a process called "Self-Passivation", making Stainless Steel nearly impossible to rust or corrode.

Stainless Steel is considered to be the ultimate alloy by specialists and specifiers, and the reason of that is its extreme mechanical properties (112.000psi Transverse Rapture, 89.900psi Ultimate Tensile Strength) combined with the absolute corrosion resistance and the aesthetic appearance of it. In fountain industry, this alloy is the only option when seeking for quality, longevity, absolutely perfect performance, easy maintenance & cleaning while keeping the nearby environment clean and healthy (as it does not attract bacteria and algae nor corrodes).

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FONTANA 53





Impact Resistance

The austenitic microstructure of the 300 series provides high toughness, from elevated temperatures to far below freezing, making these steels suitable to all kind of environments; from the freezing Siberia to the extremely hot UAE. With Ultimate Tensile Strength of 89.900 PSI min. Stainless Steel remains the leader when it comes to impacts. This means that pressure of at least 89.900 PSI is needed to only deform the surface of a 1mm thick Stainless Steel sheet. Imagine what pressure is needed to deform a 3-5mm (or more) thick round fountain component or light. This feature is necessary when fountain systems and lights are exposed to the danger of vandalism.

Easy Maintenance & Hygiene

All fountain parts need some sort of maintenance to perform well over the years, especially when installed in harsh environments such as sea water. Compared to other materials, Stainless Steel makes this process the easiest possible. Effortlessly and without using chemicals or other hazardous liquids, the initial bright and shiny gloss is reverted. Moreover, the fact that Stainless Steel does not corrode nor collects bacteria and algae on its surface, apart from the aesthetic appearance, makes it ideal for environments with living organisms.

Strength-to-Weight Advantage

The work-hardening property of austenitic grades (300 series), that results in a significant strengthening of the material from coldworking alone, allows reduced material thickness over other alloys such as Bronze, Brass and Tombac and therefore cost savings. This means that the weight of a Stainless Steel fountain component or submersible light can be 4 or 5 times less compared to Bronze, Brass or Tombac, while still remaining stronger. This results to noticeably reduced transport costs, easier installation and maintenance.

Stylish Appearance

The bright, easily maintained surface of stainless steel provides a modern and attractive appearance. No more ugly pools when the fountain is not in operation or the pool is drained.



Comparison Charts. It could not be any clearer.





Stainless Steel 8.000-8.450 kg/m³ Bronze 7.400-8.700 kg/m³ Brass 8.300-8.600 kg/m³ Tombac 8.900-9.200 kg/m³ Polyamide 1.150-1.450 kg/m³

Transverse Rapture

Stainless Steel is offering an astonishing value of 112.000 Psi (Transverse Rapture Strength), 400% greater than Tombac, 560% than Brass and Bronze and 1287% than Polyamide.

This property clearly illustrates the incomparable Strength of Stainless Steel to other materials and alloys. This unrivalled Impact Resistance of Stainless Steel is what allows us to construct higher quality products, exceptionally stronger than the competition's, while keeping the weight as low as possible. Consequently, Fontana products are of superior Quality and Strength, making a valuable choice for durability, high impact resistance, lower costs, easier installation & maintenance.

(Ultimate) Tensile Strength

(Ultimate) Tensile Strength is the longitudinal stress required to break a prescribed specimen divided by the original cross-sectional area at the point of rupture. Or simply, the breakpoint of a 1mm thick sheet of each material. We can see that Stainless Steel has dominant mechanical properties over the other materials, with (Ultimate) Tensile Strength of a minimum 89.900Psi. Brass offers the second best performance of 58.000 Psi. Tombac & Bronze have similar capabilities of 33.350Psi and 35.000 Psi respectively, while Polyamide is far below average providing a Tensile Strength value of 7.970 Psi. It is important to appreciate that these values get multiplied by 4 or 5 times when the object is round-shaped and properly machined. Similarly to the previous figure, this chart verifies the exceptionally high solidity and tenacity of Stainless Steel.

Density Chart

The density of a body is the ratio of its mass to its volume. It is, essentially, a measurement of how tightly matter is crammed together, and an indication of how much does a cubic meter of each material weigh.

Studying the Density chart we can see that:

- 1 cubic meter of Stainless Steel weighs 8.000 8.450kg
- 1 cubic meter of Bronze weighs 7.400 8.700kg
- 1 cubic meter of Brass weighs 8.300 8.600kg
- 1 cubic meter of Tombac weighs 8.900 9.200kg
- 1 cubic meter of Polyamide weighs 1.150 1.450kg

It is noticeable that all alloys have similar densities. However this chart also proves the superiority of Stainless Steel. The above diagrams show clearly that if the same product is manufactured out of each material, in order to maintain the same tenacities, each one will have different weight. The product made of Stainless Steel will have the lower weight providing the maximum strength, while brass, bronze and especially tombac will weigh much more, due to their inferior mechanical properties (and as a consequence more material will have to be used), while it is impossible to construct such a product out of Polyamide.

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The Coarse Flow Phenomenon.

A major performance killer of cast fountain nozzles is the bumpy inner surface which is responsible for the so-called Coarse Flow Phenomenon. Imagine water as myriads of little water particles coming into a nozzle, moving in one direction. The ones near the nozzle's inner wall encounter tremendous friction and bounce on the small bumps. As a result, these particles are diverted and start hitting one another, diverting more and more water particles, leading to even more collisions and inevitably affect the overall flow performance of the nozzle. Fontana nozzles are made of pure stainless steel and are precisely manufactured to offer a frictionless, bump-less inner surface for water to flow and consequently Fontana nozzles provide significantly better flow performance compared to other cast nozzles. In other words, stainless steel nozzles require less powerful pumps to achieve the same water effect compared to inefficient cast bronze, brass or tombac ones.

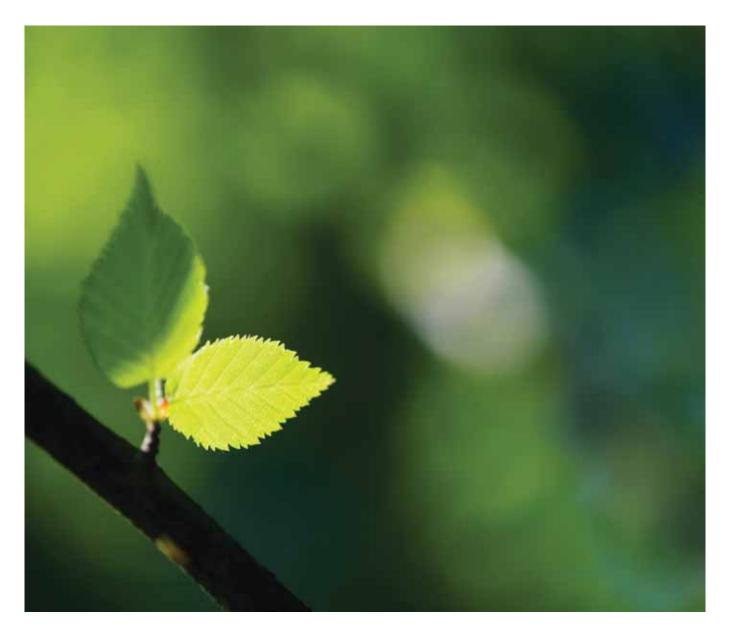


Actual photo of the inner surface of a cast Cascade nozzle. You can notice the bumpy surface that is held responsible for the water height loss and the overall inefficiency of cast nozzles.



Actual photo of the inner surface of a Fontana Cascade nozzle. You can notice the smoother, cleaner surface. Water molecules flowing through this nozzle, face significantly less friction on their way compared to the bumpy surface of cast nozzles.





The "Greenest Material". The value option.

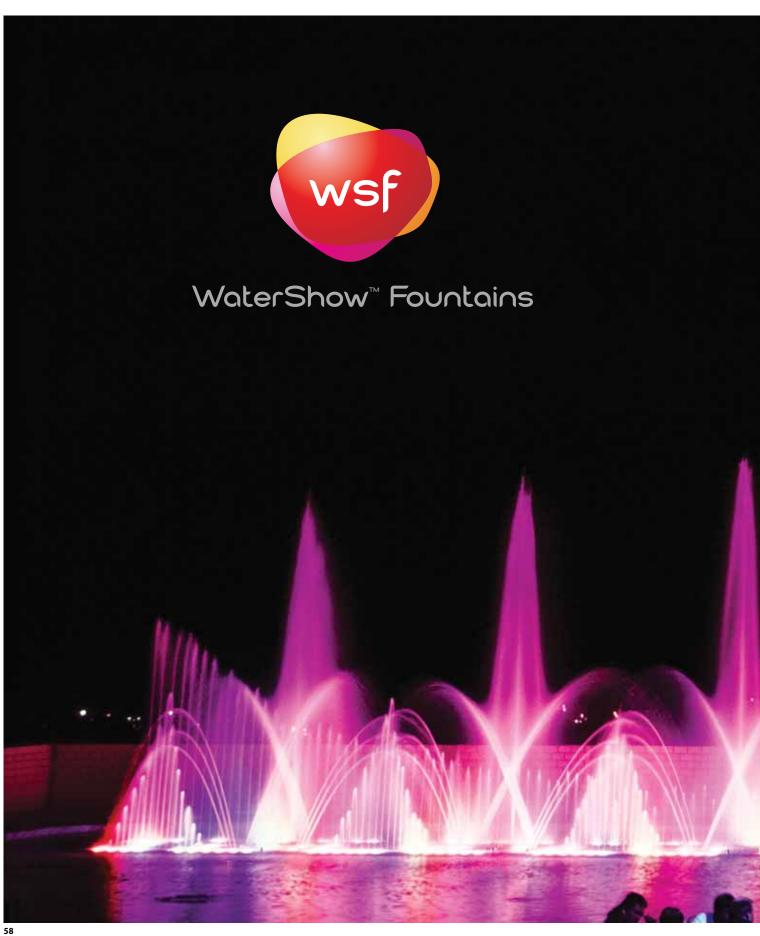
Stainless Steel's superior mechanical properties and advantages definitely make it the "Value Option" as frequently mentioned by engineers and specialists, but its benefits go far beyond the obvious. The key-role for Stainless Steel being the most "green" material takes place long before the end-product. It all starts in the furnaces where Stainless Steel is melted and alloyed. These furnaces (or at least, the ones Fontana cooperates with) use state-of-the-art technology providing the best results with minimum power consumption, minimum air pollution and minimum waste.

It is an important fact that Stainless Steel is 100% Recyclable. This means nothing goes unexploited. Every ounce of scrap, used or unused

consumer products (of Stainless Steel) can and are recycled, resulting to resource minimization, since new resources are not needed as often to replace corroded or failed products. The recycled Stainless Steel is of the exact same quality as the original and is not "downgraded" as is the case with some other so-called recycled materials.

Moreover, it is essential to appreciate that Stainless Steel fountain products do not affect by any means the water environment surrounding them like other materials and coatings, as they do not corrode nor stain. These facts certainly are of prime consideration when seeking respect to the environment.





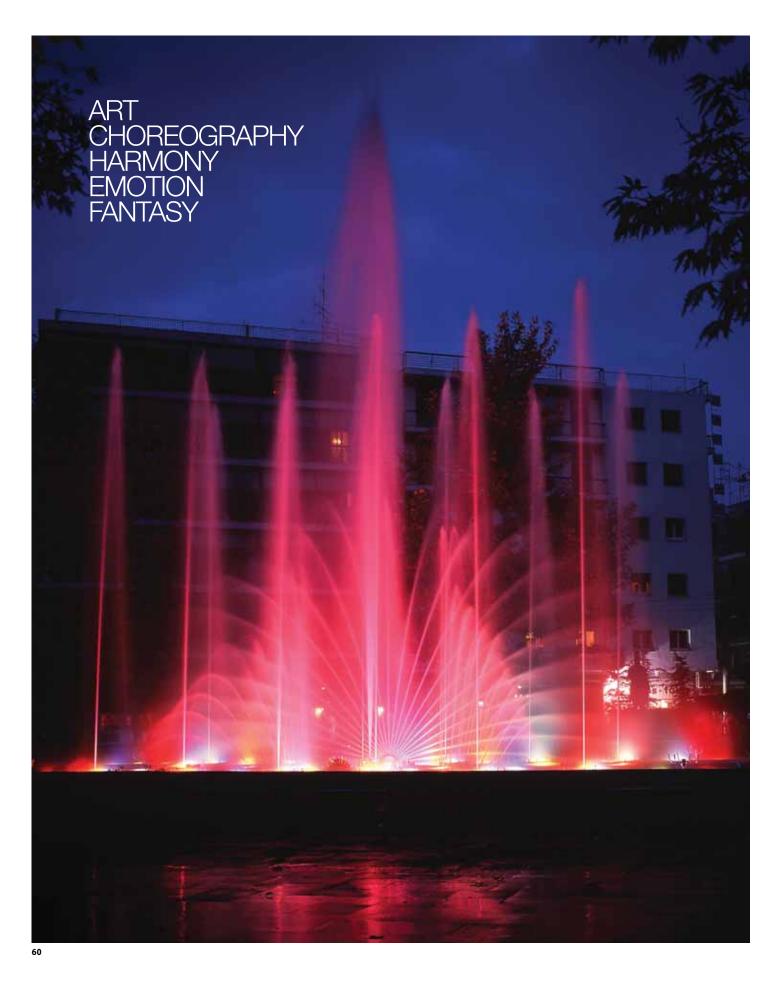


The essence of Fontana WaterShow fountains is triggering emotions in every possible manner to every viewer. It is a perfect mix of cutting-edge technology and dramatic choreographies of massive volumes of water, vivid light and even fire - perfectly synced to music - what creates a mind-boggling extravaganza.

A setup of hundreds or even thousands of pumps, motors, specialized nozzles, incredibly vivid and colorful lights, laser & video projectors and one of the most advanced control systems in the world create stunning shows, following precisely the artistic choreographies which are custom made for every individual fountain, for every individual music track.

No matter how complicated such a dancing fountain system might be, the User Interface is simplified for ease of use by the operator, the maintenance costs are remarkably low for the system to work as designed for decades.



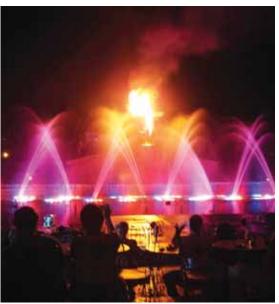






Sensational choreographies of thousands of water streams and billion-color light shows.

With vibrant LED illumination and the most powerful, yet efficient pumps of Grundfos, WaterShow Fountains require minimum energy to bring a spectacular extravaganza to life.









A 2500" screen, 50 meters wide. The Fontana Floating WaterScreen.

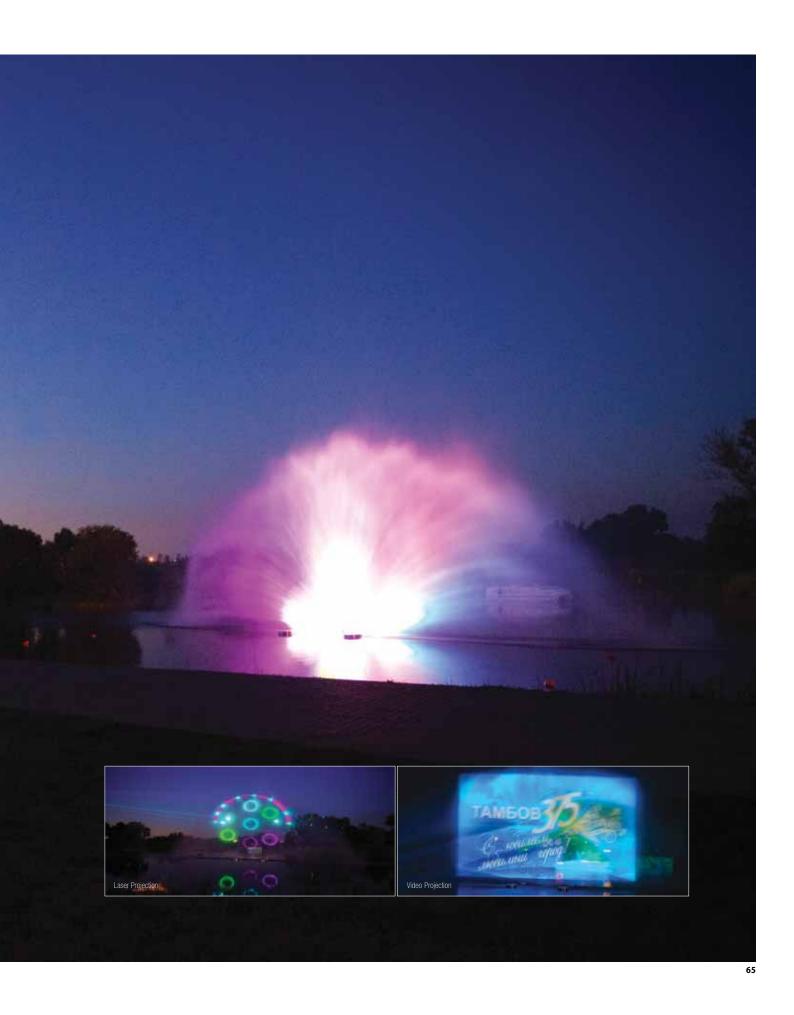
One of the most sophisticated floating systems in the world, with the most sophisticated nozzle attached to it, an array of TheSmartLED luminaires, a state-of-the-art control system and one of Grundfos' greatest pumps form a mind-blowing, 2500" water screen, floating 30 meters off the nearest shore.

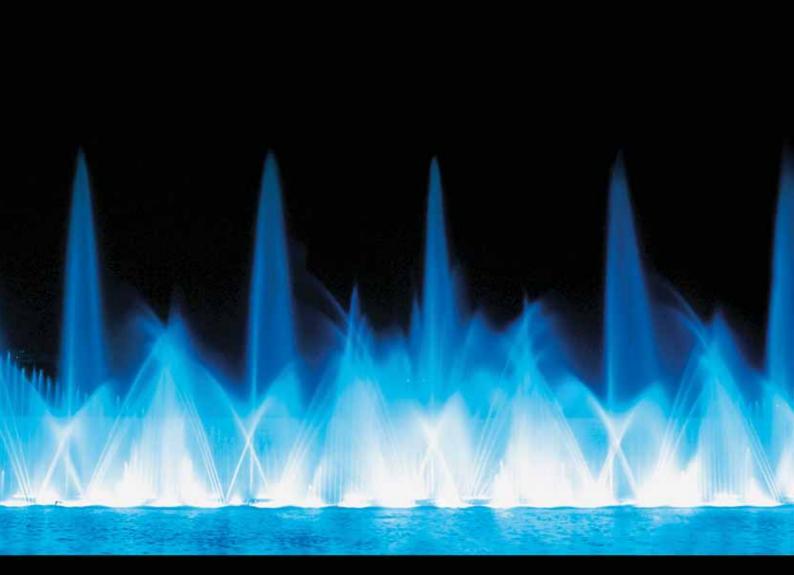
The amazing 50-meter long Water Screen is ideal for Laser or Video Projection with incredible water particles density and therefore projection capabilities. In day-time, the Water Screen is a beautiful, massive water shape but at night even when simply illuminated by the vivid underwater luminaires, it is an awe-inspiring magical spectacle.

In low ambient-light conditions, the screen becomes completely transparent and only the spots pointed by the laser / projector are visible creating a holographic-like effect.

Contact us to discuss about your mind-blowing fixed or floating WaterScreen.





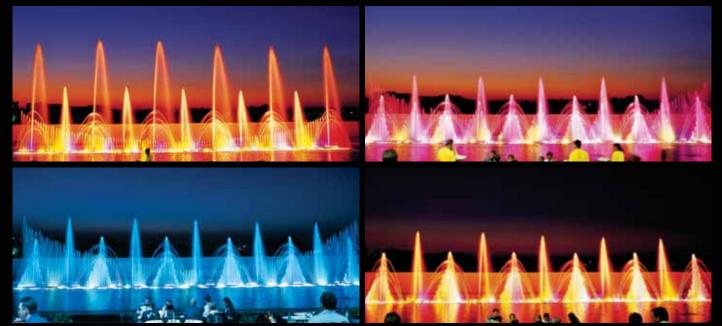


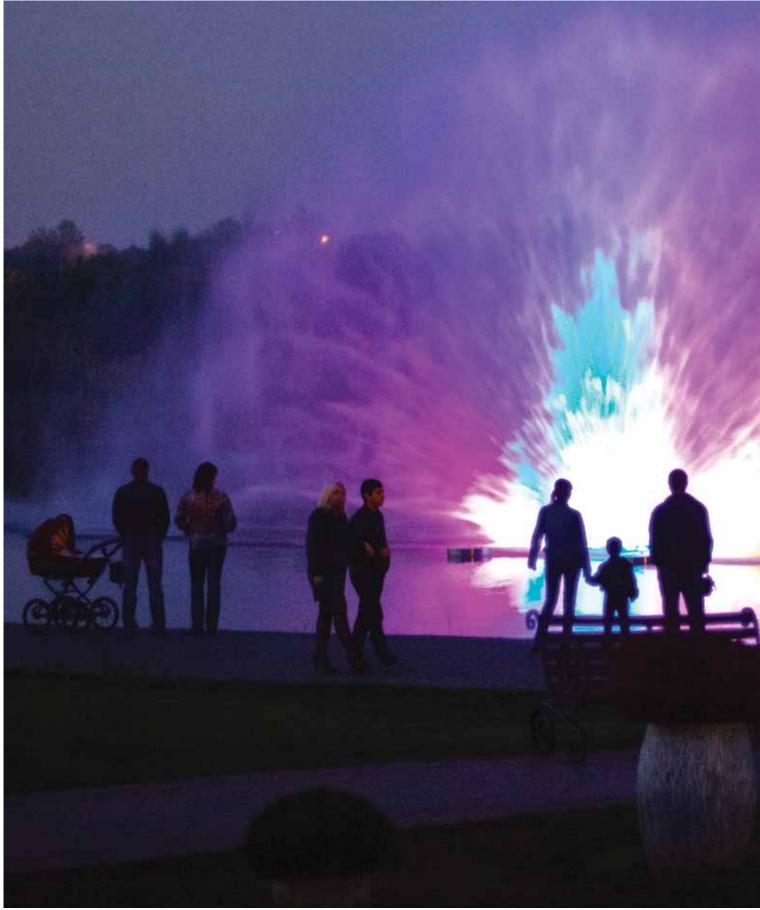


It is proven that Dancing Fountains are significant attractions, quickly gaining reputation and media coverage, attracting thousands of visitors and thus giving a boost in local economies, while upgrading the image of the local area.

The initial and maintenance costs of such a fountain are considerably low and every component is precisely manufactured to work effectively and efficiently for decades under the harshest circumstances, with the majority of the equipment being made of Stainless Steel.







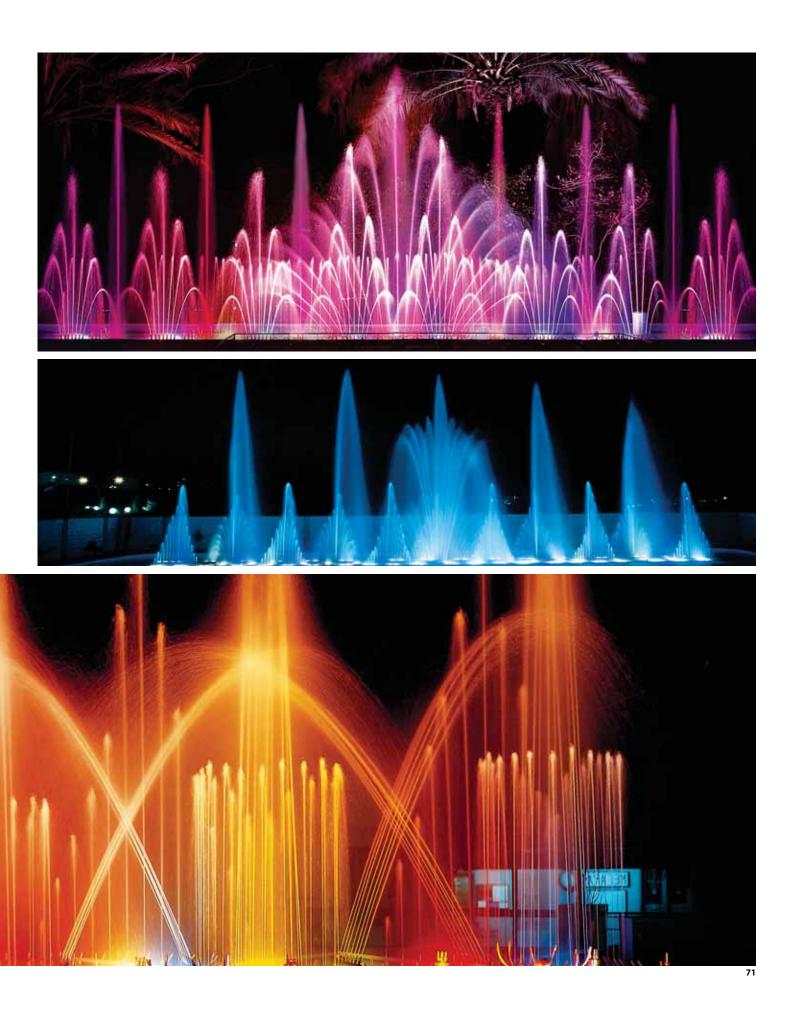












Fountain Systems



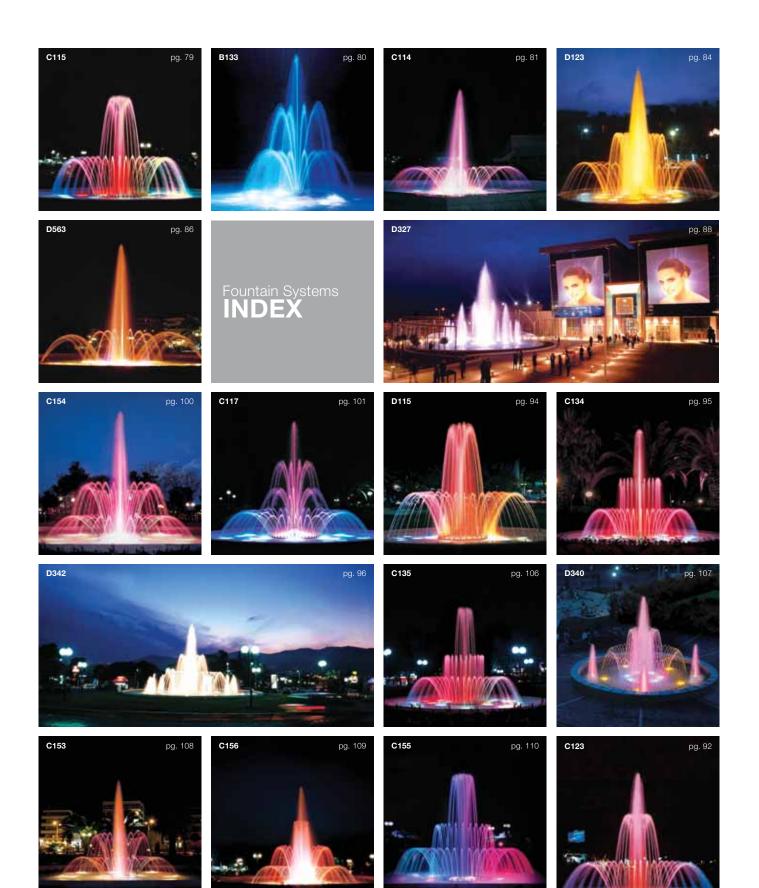
PRE-FABRICATED IN FACTORY AND DELIVERED READY FOR INSTALLATION.

In the following pages you 'II find a wide selection of carefully designed fountain shapes, made of the highest quality materials and delivered pre-fabricated, pre-wired, ready for installation. The best part? They feature all new technologies like LED illumination and a set of handy features that will make your life easier. Installation is fast & easy without requiring special experience or skill - it is more like taking the system out of its packaging, putting it inside the basin and plugging the cables. No matter how complex the fountain pattern you choose is, we have simplified the process of installation as much as possible, saving you money, time and effort. The LED luminaires come straight from the amazing TheSmartLED[™] series and all models ship with standard RGB lights that create a standalone RGB sequence without the need for a controller. Of course you can connect the luminaires to an RGB controller to control them or you can also order your fountain with white color illumination (cool or warm). As an option, all fountain models can be ordered with conventional, halogen luminaires.

The majority of the fountain systems is made of superior quality stainless steel (smooth bore nozzles are made of brass, nickel-plated). All models under C & D series are equipped with telescopic feet, adjustable by 20cm in height for precise installation and leveling. The pumps that give life to these fountains are made of stainless steel by Grundfos, housed in stainless steel filters for efficient, reliable and safer operation. Standard models are equipped with submersible pumps, but you can order any type with dry pumps instead. Finally, there is a wide range of professional add-ons to make the best of your fountain like basic or advanced control panels, wind control system, water level control, stainless steel junction boxes and the fantastic FCU controller.

As wide as the range of these fountain models might be, we are primarily focused on special fountain designs of any scale and provide full support in every phase, from design & consulting up to manufacture and installation. You can always contact us to design your unique fountain.





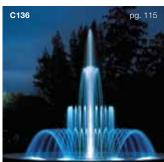
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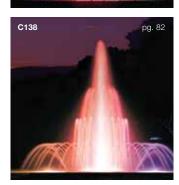








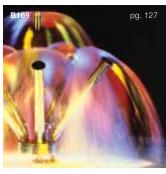














C116





Galaxy Hemispheres

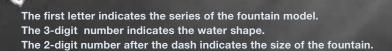








HOW TO READ FOUNTAIN TYPES & FUNCTION OPTIONS EXPLANATION



B Series	Simple water shapes without spray rings
C Series	Fountain shapes consisting of 1 up to 6 water patterns with spray rings. The external spray ring is outside falling.
D Series	Fountain shapes consisting of 1 up to 6 water patterns with spray rings.





Pre-Assembled Pre-Wired Ready to Work



Stainless Steel Spray Rings



Telescopic

-25.4



Stainless Steel Grundfos Pumps

Function Options



d. (Ginhama)

(((ADIM)))

Stable (S)

The water shape of the fountain is stable throughout the entire time of operation.

Sequencing (P)

The Sequencing Function essentially makes a fountain change its shape in sequences and it's available for all models with more than 2 water patterns. A pre-programmed unit in the control panel performs sequential changes of the water pattern, in all possible logical combinations in configurable speed.

- e.g. 2 water features create 3 logical water shape combinations
 - 3 water features create 7 logical water shape combinations
 - 4 water features create 15 logical water shape combinations
 - 5 water features create 31 logical water shape combinations
 - 6 water features create 64 logical water shape combinations
 - 8 water features create 255 logical water shape combinations



Musical (M)

The Musical Function turns a fountain into a lively, fascinating spectacle of dancing waters and light. An intelligent unit listens to the music input and performs amazing choreographies on the fly. The fountain dances to the music in real-time with absolute synchronisation and no delay. This function includes Sequencing as well.



HydroStar[™] (H)

HydroStar[™] is the most impressive and elegant fountain function. It is great for medium and large-scale fountains with massive volumes of water. This function makes water gradually rise and fall in various speeds and in all possible logical combinations based on the amount of water shapes. The glorious result is particularly impressive in fountains with a mixture of frothy and clear-water patterns.

The HydroStar[™] function can be combined with a clever Wind Control System to lower the fountain based on wind velocity, keeping it in safe operation even under windy conditions.

Lights Mounted on Spray Rings

102-103 Wind Control System Water Level Control

Halogen Lights **RGB** Controller

FCU Stainless Steel Junction Boxes **Electric Panels** Dry Pumps

First thing to know: Pre-Assembled. Pre-Wired. Ready to work.



All Fontana fountain systems arrive at the installation site pre-assembled, pre-wired, checked, double-checked, ready for operation. This can save you days from installation.

The whole philosophy behind our equipment is plug-n-play. When you buy a Fontana fountain system, after production, we assemble it in factory, attach the nozzles, adjust them, add the mounting system, add the lights, wire them together and attach a 10m main cable, install the pumps in their filters and connect the pumps to the spray system.

Then your fountain is turned on for the first time. We carefully check the lights, the nozzles, the spray systems, the pumps, the control system and the entire structure to meet our renowned high quality standards.

Then we pack it all together and ship it to you. When you open the boxes, apart from the shiny, high-quality equipment, you'll notice that you need no experience or skill to install your fountain.

This saves you a considerable amount of time, money and effort.

Note that actual packaging box might vary from the photo. Here depicted for illustrational purposes.





A popular water shape created by a central inside falling spray ring and one outside falling in lower level. C115 turns prestigious and impressive in larger sizes and when lighted by multi color lights, it offers a fascinating view when the sun sets. Perfect solution for hotels, parks, shopping malls, offices, residential, commercial, public and municipal areas, indoors or outdoors.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

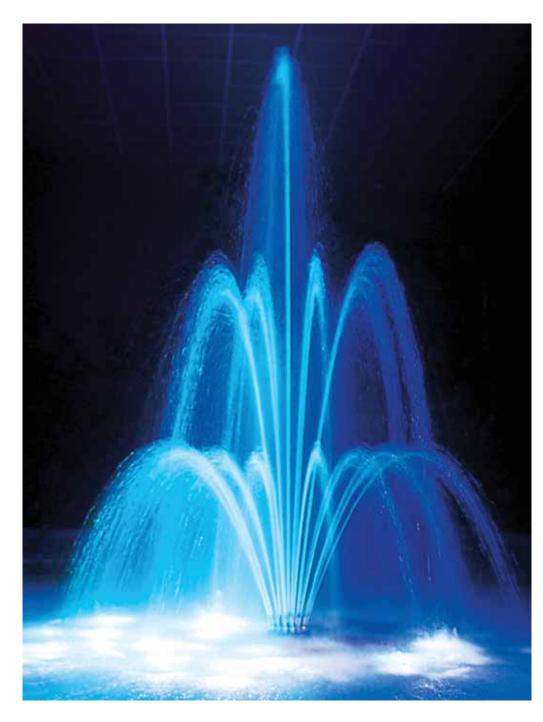
- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen Lights
- Stainless Steel submersible
- junction boxes • Automated or Manual Electric Panel (indoor or outdoor)
- Dry pumps

ТҮРЕ	Max. Spray Height	Pool's Water Depth	Illumination thesmartlea™ Technology	Pumps	Stable Sequencing Musical Hydrostar
C115-30	2.20 m	40-50 cm	6 x 20W 12-24V DC	1 x 0.70KW 230V AC	•
C115-31	3.00 m	40-50 cm	10 x 20W 12-24V DC	1 x 0.90KW 230V AC	•
C115-32	3.50 m	40-50 cm	10 x 20W 12-24V DC	2 x 1.30KW 230V AC	• 0 - 0
C115-33	4.00 M	40-50 cm	14 x 20W 12-24V DC	2 x 1.70KW 230V AC	• 0 - 0
C115-34	6.00 M	45-60 cm	14 x 40W 12-24V DC	4 x 1.70KW 230V AC	• 0 - 0

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B133

A classic, timeless piece of water design, extremely popular for decades. Water is formed in a three-tiered flower-like pattern, creating a beautiful "Fleur de Lis" fountain.

This water shape is great to be placed alone or in groups but it can also be combined with other water shapes like Bouquets or Lilys in perfect harmony.

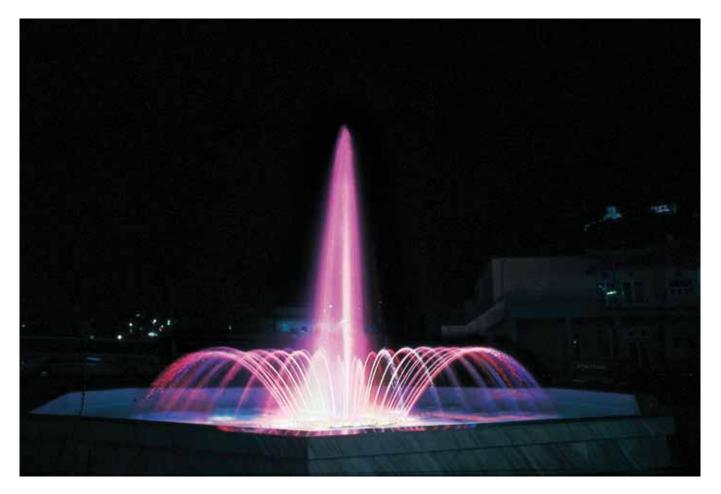
Ideal for small-medium pools in hotels, parks, shopping malls, offices, residential, commercial and public areas, indoors or outdoors.

The beautiful water pattern of B133 becomes even more impressive when multi-color illuminated by TheSmartLED[™] underwater luminaires.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable

ТҮРЕ	Max. Spray Height	Pool's Water Depth	No of Nozzles	Illumination thesmortleo™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
B133-30	3.00 m	40-50 cm	13	3 x 20W 12-24V DC	1 x 0.30KW 230V AC	•	-	-	-
B133-31	3.50 m	40-50 cm	13	4 x 20W 12-24V DC	1 x 0.70KW 230V AC	•	-	-	-
B133-32	4.00 m	40-50 cm	17	6 x 20W 12-24V DC	1 x 0.90KW 230V AC	٠	-	-	-
B133-33	4.50 m	40-50 cm	17	6 x 40W 12-24V DC	1 x 1.70KW 230V AC	٠	-	-	-



A dynamic water shape, designed to impress. It combines the massive froth of the big central foam jet with the clear-water outside falling spray ring in a unique way, matching areas of minimalist aesthetics in full harmony. C114 offers spectacular night views, vividly illuminated by TheSmartLED[™] underwater lights. An excellent solution for prestigious residential, municipal, commercial & public applications.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen LightsStainless Steel submersible
- junction boxes
- Automated or Manual Electric
 Panel (indoor or outdoor)
- Dry pumps

ТҮРЕ	Max. Spray Height	Pool's Water Depth	Central Nozzle	Illumination thesmartled™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
C114-26	3.00 m	40-50 cm	Foam Jet 2"	6 x 20W 12-24V DC	1 x 0.90KW 230V AC 1 x 0.70KW 230V AC	•	0	-	0
C114-27	4.00 m	40-50 cm	Foam Jet 2"	8 x 20W 12-24V DC	1 x 1.30KW 230V AC 1 x 0.90KW 230V AC	•	0	-	0
C114-28	5.00 m	40-50 cm	Foam Jet 2"	10 x 20W 12-24V DC	1 x 1.70KW 230V AC 1 x 1.30KW 230V AC	•	0	-	0

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FONTANA





A marvelous, rich and elegant water shape, that made C138 one of the most popular fountain designs. The four-layer water pattern consists of a central Cascade Jet and three spray rings in different directions and levels: an inside-falling, an outside falling and a middle, vertical spray ring. C138 can fill the entire basin effectively with a remarkable combination of frothy and crystal-clear water. It offers spectacular views when in Sequencing, Musical or Hydrostar mode with slow or rapid movements of massive volumes of water.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen Lights
- Stainless Steel submersible junction boxes
- Automated or Manual Electric Panel (indoor or outdoor)
- Dry pumps

ТҮРЕ	Max. Spray Height	Pool's Water Depth	Central Nozzle	Illumination thesmortled™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
C138-40	3.70 m	50-60 cm	Cascade Jet 1½"	12 x 20W 12-24V DC	3 x 0.70KW 230V AC 1 x 1.70KW 230V AC	•	0	0	0
C138-41	4.70 m	50-60 cm	Cascade Jet 1½"	18 x 20W 12-24V DC	3 x 1.70KW 230V AC 1 x 1.10KW 230V AC	•	0	0	0
C138-43	6.00 m	50-60 cm	Cascade Jet 2"	18 x 40W 12-24V DC	1 x 2.20KW 3x400V AC 6 x 1.70KW 230V AC	•	0	0	0

Stainless Steel Spray Rings.

We take the longevity of your fountain seriously. And its looks too.



The nozzles on all spray ring-equipped fountains are Smooth Bores. This means that they sport an integral flow straightener¹ for superior flow performance and efficiency and they are also adjustable by 15° to any direction, providing extra design flexibility.

You can swivel the nozzles at different angles and thus create totally different water shapes. From shooting straight up, to slightly inwards or outwards, to domelike patterns, or you can even create a twisting effect by interlacing the streams.

1 Applies for Smooth Bores type MS03XX and higher.



Lightweight, yet Heavy Duty Stainless Steel Construction

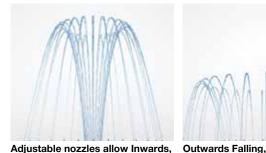


All Spray Rings ship equipped with placeholders for stainless steel telescopic legs & for luminaires that can be in- or outwards pointing



Flow Diverters on every inlet and Flow Straighteners on every nozzle to achieve optimum performance and water efficiency

Many water shapes with the same equipment. Just swivel the nozzles.









or even Crossed Streams

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D123

A spectacular water shape created by one central Cascade Jet and two inside falling spray rings at different heights, designed to impress day and night. The rich water pattern of D123 portrays symmetry & elegance, making it ideal for medium-large residential and commercial applications and the amazing combination of frothy and crystal clear water becomes stunning when colorfully illuminated by TheSmartLED[™] underwater lights. D123 breaths life when in simple, stable operation, but when in Musical or Hydrostar operation, it turns into an eye-catching extravaganza.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED[™] RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen Lights
- Stainless Steel submersible junction boxes
- Automated or Manual Electric Panel (indoor or outdoor)
- Dry pumps

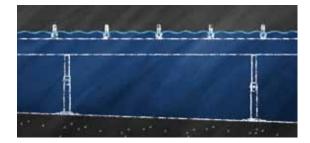
ТҮРЕ	Max. Spray Height	Pool's Water Depth	Max. Spray Ring Diameter	Central Nozzle	Illumination thesmortleo™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
D123-30	2.75 m	50-60 cm	3.00 m	Cascade Jet 11/2"	10 x 20W 12-24V DC	1 x 1.30KW 230V AC 2 x 0.70KW 230V AC	•	0	0	0
D123-31	3.75 m	50-60 cm	3.56 m	Cascade Jet 11/2"	14 x 20W 12-24V DC	1 x 1.70KW 230V AC 2 x 1.30KW 230V AC	•	0	0	0
D123-32	4.75 m	50-60 cm	4.45 m	Cascade Jet 1½"	18 x 20W 12-24V DC	1 x 1.10KW 230V AC 1 x 1.70KW 230V AC 2 x 1.30KW 230V AC	•	0	0	0
D123-33	6.00 m	50-60 cm	5.35 m	Cascade Jet 2"	22 x 20W 12-24V DC	1 x 2.20KW 3x400V AC 4 x 1.70KW 230V AC	•	0	0	0



FONTANA



With heavy duty Telescopic Legs standard for all spray ring-equipped fountains you get extensive flexibility when it comes to installation and fine-tuning and also, the dismantling of the fountain is easier and faster. Each leg is adjustable by 20 cm in height, which allows for absolute leveling and installation according to water depth. Telescopic Legs are made of Stainless Steel AISI 304 (or 316 on request) for excellent corrosion and impact resistance. Custom legs can be manufactured on request to meet specific requirements.

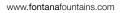


Scenario 1 Floor Slope

The majority of fountain basins' floors have a slight inclination towards the drain(s) of the pool. A non-adjustable system would inevitably follow this slope and therefore tilt. With these telescopic legs – each individually adjustable, you can adjust the system to be totally level.

Scenario 2 Water Level

In the initial phase of the design of a fountain, the water depth is always precisely calculated. However, more often than not, the final construction is significantly different. In such cases, the telescopic legs come handy, allowing for fine-tuning, matching exactly the actual water level.







D563

The extra-ordinary, distinctive water pattern of D563 is formed by a central Foam Jet & four peripheral Finger Jets. The symmetrical effect is achieved by placing the Finger Jets in the perimeter of the pool, pointing to the base of the Foam Jet. The Finger Jets' direction can be easily adjusted though, placing them near the Foam Jet, pointing outwards, creating a totally different fountain. D563's modern and uncommon design becomes a focal point when vividly illuminated by TheSmartLED[™] underwater lights in single- or multi-color illumination.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
 - RGB Controller
 - Illumination with Halogen Lights
 - Stainless Steel submersible
 iunction boxes
 - Automated or Manual Electric
 Panel (indoor or outdoor)
 - Dry pumps

ТҮРЕ	Max. Spray Height	Pool's Water Depth	Central Nozzle	Illumination thesmortled™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
D563-20	3.00 m	40-50 cm	Foam Jet 2"	11 x 14W 12-24V DC	1 x 0.90KW 230V AC 4 x 0.30KW 230V AC	•	0	0	0
D563-21	4.00 m	40-50 cm	Foam Jet 2"	11 x 20W 12-24V DC	1 x 1.30KW 230V AC 4 x 0.70KW 230V AC	•	0	0	0
D563-22	5.00 m	50-60 cm	Foam Jet 2"	11 x 25W 12-24V DC	1 x 1.70KW 230V AC 4 x 0.90KW 230V AC	•	0	0	0





Stainless Steel Pumps made by Grundfos.

We couldn't use anything less than the world's most reliable pumps. Since day one of Fontana Fountains establishment, we always used Grundfos pumps to give life to our creations - a company that follows the same strict quality criteria and principles as we do.

Essentially, the pump is the heart that keeps a beautiful fountain running reliably day in, day out under the harshest conditions, and Grundfos pumps do much more than that. The innovations, the incredible technology and the expertise that come with each Grundfos pump guarantees the problem-free operation of a fountain for years to come.

For over 40 years we work closely together to provide the best solution for every fountain, combining flawless outcome, efficiency and reliable operation.



Fontana was the first company in the world to receive the Grundfos OEM Partner badge - the epitome of our long-lasting collaboration. Moreover, we 've been accredited as a Grundfos Authorised Service Partner - a certification of our deep knowledge and expertise on the world's most reliable and advanced pumps.

Every component we design and manufacture for Grundfos pumps is guaranteed to enhance the pump's operation, protect it and essentially make it work under ideal conditions.



FONTA

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D327

FONTANA

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The most impressive, elegant and renowned fountain design possibly worldwide. D327 is exclusively designed by Fontana Fountains for large scale commercial or high-end residential applications with strict requirements regarding visibility, elegance and impressiveness.

D327's awe-inspiring design involves massive volumes of water created by two spray rings and 13 or 17 frothy Cascade Jets at different heights and scales. This marvelous fountain has a unique way to enhance the natural magic and liveliness of water.

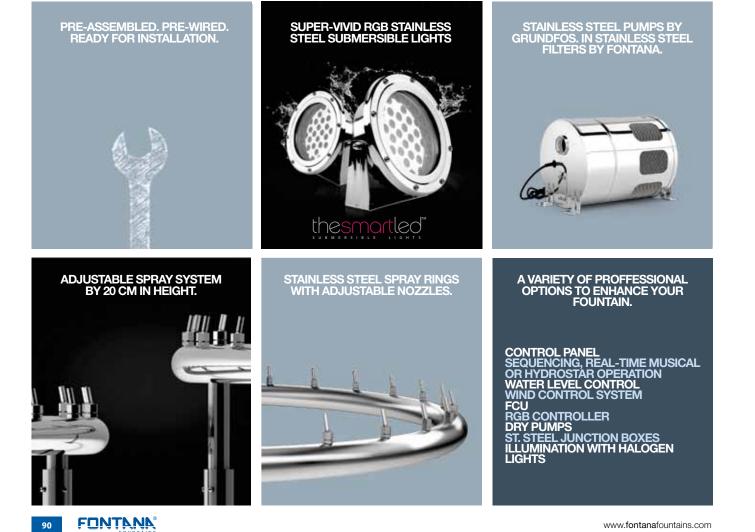
When in Hydrostar or Real-Time Musical function this fountain becomes an extravaganza with smooth or rapid movements of its entire volume split into 5 channels, which when combined with vivid illumination by TheSmartLED[™] underwater luminaires turns into a glorious, mind-blowing spectacle.



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FONTANN 89







ТҮРЕ	Max. Spray Height	Max. Ring Diameter	Pool's Water Depth	Central Nozzle Cascade Jet	Peripheral Nozzles Cascade Jet	Illumination thesmartleo™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
D327-30	6.00 m	11.46 m	60-65 cm	2"	4 x 2" 8 x 1½"	16 x 40W 12-24V DC 40 x 20W 12-24V DC	3 x 2.20KW 3x400V AC 1 x 5.50KW 3x400V AC 6 x 1.70KW 230V AC	•	0	0	0
D327-31	8.00 m	14.50 m	60-65 cm	2"	4 x 2" 8 x 1½"	20 x 40W 12-24V DC 48 x 20W 12-24V DC	3 x 4.00KW 3x400V AC 1 x 5.50KW 3x400V AC 2 x 3.00KW 3x400V AC 6 x 1.70KW 230V AC	•	0	0	0
D327-32	10.0 m	17.60 m	60-65 cm	3"	4 x 2" 12 x 1½"	22 x 40W 12-24V DC 60 x 20W 12-24V DC	1 x 9.20KW 3x400V AC 1 x 5.50KW 3x400V AC 1 x 7.50KW 3x400V AC 2 x 4.00KW 3x400V AC 7 x 1.70KW 230V AC	•	0	0	0
D327-33	12.0 m	19.10 m	60-65 cm	3"	4 x 2" 12 x 1½"	24 x 40W 12-24V DC 64 x 20W 12-24V DC	1 x 11.0KW 3x400V AC 6 x 4.00KW 3x400V AC 8 x 1.70KW 230V AC	•	0	0	0
D327-34	12.0 m	23.80m	60-65 cm	3"	4 x 2" 12 x 1½"	24 x 40W 12-24V DC 74 x 20W 12-24V DC	1 x 11.0KW 3x400V AC 6 x 4.00KW 3x400V AC 10 x 1.70KW 230V AC	•	0	0	0

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FONTANA⁹¹



A classic water shape spreading in 3 layers and consisting of one central Cascade Jet and two Spray Rings, inside and outside falling.

C123 offers spectacular views when in Sequencing, Musical or Hydrostar mode, gracefully dancing in slow or rapid movements.

Ideal for hotels, parks, shopping malls, offices, residential, commercial and public areas, indoors or outdoors.

Both the main frothy column and the plethora of the spray rings' clear-water streams become even more impressive when multi-color illuminated by TheSmartLEDTM underwater luminaires.

SPECIFICATIONS	PROFESSIONAL ADD-ONS
 Prefabricated Fountain System Fast & Easy Installation 	Water Level Control System Wind Control System
 TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection 	FCU BGB Controller
 Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW) 	 Illumination with Halogen Lights Stainless Steel submersible junction boxes
Fountain System adjustable by 20 cm in height with telescopic basesSpray Rings made of Stainless Steel	Automated or Manual Electric Panel (indoor or outdoor) Dry numps

opray rungo me		51		Dry pumps					
ТҮРЕ	Max. Spray Height	Pool's Water Depth	Central Nozzle	Illumination thesmartled™ Technology	Pumps	Stable	Sequencing	Musical	Hud roctor
C123-50	2.75 m	50-60 cm	Cascade Jet 1½"	8 x 20W 12-24V DC	1 x 1.30KW 230V AC 2 x 0.48KW 230V AC	•	0	0	¢
C123-51	3.70 m	50-60 cm	Cascade Jet 11/2"	10 x 20W 12-24V DC	1 x 1.70KW 230V AC 2 x 0.70KW 230V AC	•	0	0	¢
C123-52	4.70 m	50-60 cm	Cascade Jet 11/2"	16 x 40W 12-24V DC	1 x 1.10KW 230V AC 2 x 1.70KW 230V AC	•	0	0	c
C123-53	6.00 m	50-60 cm	Cascade Jet 2"	16 x 40W 12-24V DC	1 x 2.20KW 3x400V AC 4 x 1.70KW 230V AC	•	0	0	c

20 x 40W 12-24V DC

Cascade Jet 2"



8.00 m

50-60 cm

C123-54

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• • • •

3 x 4.00KW 3x400V AC

0

0

0

0



Lights mounted on the spray rings.

Ideal illumination, space saving, better looking solution.

All Fontana fountain systems are equipped with standard RGB illumination by TheSmartLED[™] series and the lights ship pre-wired ready for installation. We have precisely determined the correct locations that they should be placed on every fountain model to perform as great as possible. The luminaires are mounted on the spray rings, lowered a little to be completely submerged in water and the mounting system allows for the luminaires to be tilted at the desired angle. This way, uniform illumination is achieved, drilling and mess on the pool's floor is avoided and the cables are effectively protected leading to better appearance of the fountain, space saving and primarily ideal illumination.





D115

A classic and one of the most popular fountain designs, created by two inside falling Spray Rings in two levels. It is ideal for smallmedium scale applications for hotels, parks, villas, residential or commercial use, indoors or outdoors. The dynamic water pattern is enhanced when vividly illuminated by TheSmartLED[™] underwater luminaires in single- or multi-color illumination and the Sequencing function makes D115 even more lively.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen LightsStainless Steel submersible
- Junction boxes
 Automated or Manual Electric
- Panel (indoor or outdoor)
- Dry pumps

ТҮРЕ	Max. Spray Height	Max. Spray Ring Diameter	Pool's Water Depth	Illumination thesmortleo™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
D115-26	2.00 m	1.50 m	40-50 cm	6 x 14W 12-24V DC	1 x 0.70KW 230V AC	•	0	-	-
D115-27	2.50 m	1.80 m	40-50 cm	6 x 20W 12-24V DC	1 x 0.90KW 230V AC	•	0	-	-
D115-28	2.50 m	2.68 m	40-50 cm	9 x 20W 12-24V DC	1 x 1.30KW 230V AC	•	0	-	-
D115-29	3.00 m	1.80 m	40-50 cm	9 x 20W 12-24V DC	1 x 1.30KW 230V AC	•	0	-	0
D115-30	3.00 m	3.00 m	40-50 cm	12 x 20W 12-24V DC	1 x 1.70KW 230V AC	•	0	-	0
D115-31	3.50 m	2.15 m	40-50 cm	10 x 20W 12-24V DC	1 x 1.70KW 230V AC	•	0	-	0
D115-32	3.50 m	3.56 m	40-50 cm	12 x 20W 12-24V DC	3 x 0.90KW 230V AC	•	0	-	0
D115-33	4.00 m	4.45 m	40-50 cm	16 x 20W 12-24V DC	3 x 1.30KW 230V AC	•	0	-	0
D115-34	4.50 m	5.35 m	40-50 cm	18 x 20W 12-24V DC	3 x 1.70KW 230V AC	•	0	-	0



A timeless piece of water design spreading across three layers. C134 is created by a central Foam Jet and two Spray Rings - one vertical and one outside-falling. The symmetrical design, and the combination of frothy and clear water streams, make a unique fountain which becomes stunning when illuminated by the powerful TheSmartLED[™] underwater luminaires. Ideal for hotels, parks, shopping malls, offices, residential, commercial and public areas, indoors or outdoors.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen LightsStainless Steel submersible
- junction boxes

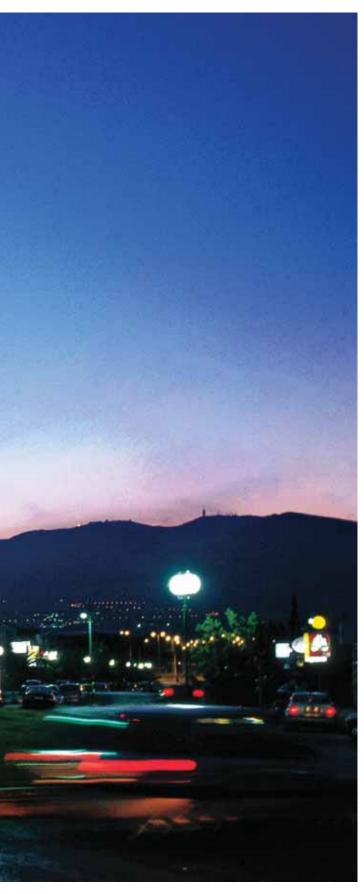
 Automated or Manual Electric
- Panel (indoor or outdoor)
- Dry pumps

ТҮРЕ	Max. Spray Height	Pool's Water Depth	Central Nozzle	Illumination thesmortleo [™] Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
C134-31	3.00 m	50-60 cm	Foam Jet 11/2"	8 x 20W 12-24V DC	3 x 0.70KW 230V AC	•	0	0	0
C134-32	4.00 m	50-60 cm	Foam Jet 2"	12 x 20W 12-24V DC	3 x 1.30KW 230V AC	•	0	0	0
C134-33	5.00 m	50-60 cm	Foam Jet 2"	16 x 20W 12-24V DC	3 x 1.70KW 230V AC	•	0	0	0
C134-34	6.50 m	50-60 cm	Foam Jet 2½"	18 x 40W 12-24V DC	6 x 1.70KW 230V AC	•	0	0	0





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D342

The most popular and impressive fountain design in its category. D342 is exclusively designed by Fontana Fountains for large scale commercial or high-end residential applications with strict requirements regarding visibility, elegance and impressiveness.

Modern, yet timeless, D342's remarkable design involves massive volumes of water created by two spray rings and 9 frothy columns spreading at four levels. This water pattern has a unique way to enhance the natural magic and liveliness of water and turn it into a majestic fountain visible from long distance.

When in Hydrostar or Real-Time Musical function this fountain becomes an extravaganza with smooth or rapid movements of its entire volume split into 4 channels, which when combined with vivid illumination by TheSmartLED[™] underwater luminaires turns into a glorious, mind-blowing spectacle.

D342 is ideal for shopping malls, municipal parks, hotels, villas, squares etc.

- Impressive fountain design
- Elegant look
- > Massive volumes of frothy and clear water
- > Ideal solution for large-scale applications
- Sreat efficiency
- Stainless Steel AISI 304 (316 on request) construction
- Stainless Steel Submersible Luminaires
- Stainless Steel Spray System
- > Vivid illumination by TheSmartLED[™] underwater luminaires

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ТҮРЕ	Max. Spray Height	Max. Ring Diameter	Pool's Water Depth	Central Nozzle Cascade Jet	Peripheral Nozzles Cascade Jet	Illumination thesmartled [™] Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
D342-37	3.75 m	2.15 m	40-50 cm	1½"	8 x 1½"	20 x 20W 12-24V DC	3 x 1.70KW 230V AC 2 x 0.90KW 230V AC	•	0	0	0
D342-45	4.50 m	3.56 m	40-50 cm	2"	8 x 1½"	8 x 20W 12-24V DC 24 x 14W 12-24V DC	2 x 1.70KW 230V AC 6 x 1.30KW 230V AC	•	0	0	0
D342-46	4.50 m	3.56 m	40-50 cm	2"	8 x 1½"	32 x 20W 12-24V DC	10 x 1.70KW 230V AC	•	0	0	0
D342-50	6.00 m	4.45 m	40-50 cm	2"	8 x 1½"	8 x 40W 12-24V DC 24 x 20W 12-24V DC	1 x 2.20KW 3x400V AC 6 x 1.70KW 230V AC	•	0	0	0
D342-51	6.00 m	4.45 m	40-50 cm	3"	8 x 1½"	8 x 40W 12-24V DC 26 x 20W 12-24V DC	1 x 3.00KW 3x400V AC 8 x 1.70KW 230V AC	•	0	0	0
D342-60	8.00 m	6.24 m	40-50 cm	3"	8 x 1½"	10 x 40W 12-24V DC 28 x 20W 12-24V DC	1 x 5.50KW 3x400V AC 10 x 1.70KW 230V AC	•	0	0	0
D342-61	8.00 m	6.24 m	40-50 cm	3"	8 x 2"	38 x 40W 12-24V DC	1 x 5.50KW 3x400V AC 6 x 4.00KW 3x400V AC	•	0	0	0
D342-70	10.0 m	8.60 m	40-50 cm	3"	8 x 2"	46 x 40W 12-24V DC	1 x 7.50KW 3x400V AC 6 x 5.50KW 3x400V AC	•	0	0	0
D342-80	12.0 m	8.90 m	40-50 cm	3"	8 x 2"	50 x 40W 12-24V DC	1 x 9.20KW 3x400V AC 5 x 5.50KW 3x400V AC 2 x 7.50KW 3x400V AC	•	0	0	0

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PRE-ASSEMBLED, PRE-WIRED. SUPER-WIND RGB STAINLESS STEEL SUBMERSIBLE LIGHTS IN STAINLESS STEEL PUMPS BY RUNDPOS. IN STAINLESS STEEL INCOMESSIONAL Stainless Steel Pumps By RUNDPOS. IN STAINLESS STEEL INCOMESSIONAL ADJUSTABLE SPRAY SYSTEM BY 20 CM IN HEIGHT. STAINLESS STEEL SPRAY RINGS INTERLIGATION FOR PROFESSIONAL RUNDPOS IN STAINLESS STEEL SPRAY RINGS INTERLIGATION FOR PROFESSIONAL PROFINING CONTROL PROFESSIONAL PROFINING CONTROL PROFESSIONAL PROFINING CONTROL PRANEL SEQUENCING, REAL-TIME MUSICAL OPTIONS TO PROFESSIONAL PROFINING CONTROL PROFESSIONAL PROFESSIO

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FONTANA 99



C154 is a highly impressive water shape, spreading in three levels. It consists of 2 inverted domes of water which fill the entire basin and a central Foam Jet. The dynamic figure of C154 is vividly enhanced when illuminated by the powerful TheSmartLED[™] underwater luminaires in single- or multi-color illumination. C154 offers spectacular views when in Sequencing, Musical or Hydrostar mode, gracefully dancing in slow or rapid movements. Ideal for hotels, parks, shopping malls, offices, residential, commercial and public areas, indoors or outdoors.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen Lights
- Stainless Steel submersible junction boxes
- Automated or Manual Electric
 Panel (indoor or outdoor)
- Dry pumps

ТҮРЕ	Max. Spray Height	Pool's Water Depth	Central Nozzle	Illumination thesmortled™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
C154-30	3.00 m	50-60 cm	Foam Jet 1¼"	8 x 20W 12-24V DC	3 x 0.70KW 230V AC	٠	0	0	0
C154-31	4.00 m	50-60 cm	Foam Jet 11/2"	12 x 20W 12-24V DC	3 x 1.30KW 230V AC	•	0	ο	0
C154-32	5.00 m	50-60 cm	Foam Jet 2"	14 x 20W 12-24V DC	3 x 1.70KW 230V AC	•	0	0	0
C154-33	6.50 m	50-60 cm	Foam Jet 21/2"	16 x 40W 12-24V DC	6 x 1.70KW 230V AC	•	0	0	0





Designed to fill gracefully small-medium scale basins. The beautiful water shape of C117 is created by an outwards-pointing spray ring and a Fleur de Lis in the middle. This fountain breaths life to the surrounding area, perfectly blending the soothing sound and the lively view of water. Great solution for hotels, parks, shopping malls, offices, residential, commercial and public areas, indoors or outdoors.

SPECIFICATIONS

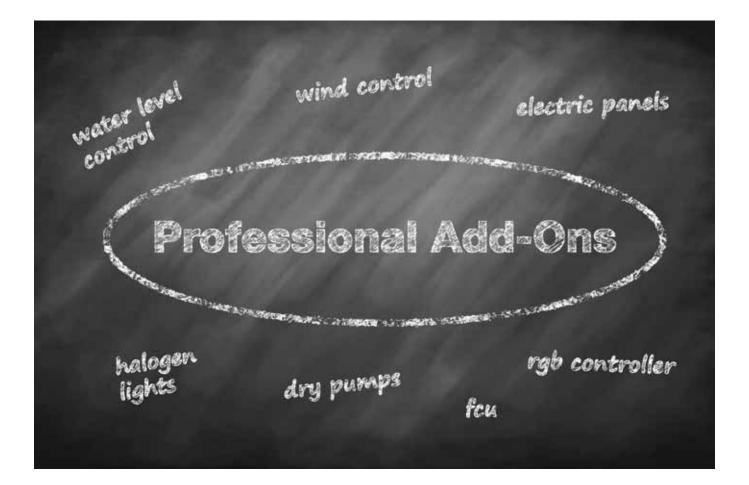
- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen Lights
- Stainless Steel submersible junction boxes
- Automated or Manual Electric
 Panel (indoor or outdoor)
- Dry pumps

TYPE	Max. Spray Height	Pool's Water Depth	Illumination thesmortleo™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
C117-30	2.50 m	40-50 cm	6 x 20W 12-24V DC	1 x 0.70KW 230V AC	٠	-	-	-
C117-31	3.00 m	40-50 cm	8 x 20W 12-24V DC	1 x 0.90KW 230V AC	٠	-	-	-
C117-32	3.50 m	50-60 cm	10 x 20W 12-24V DC	2 x 1.30KW 230V AC	•	0	-	ο
C117-33	4.50 m	50-60 cm	14 x 20W 12-24V DC	2 x 1.70KW 230V AC	•	0	-	0







Water Level Control System

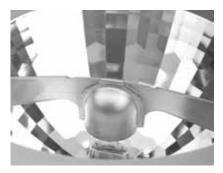
Easily monitor and control water level with the Fontana WLC unit and level sensors. The specialized electronic unit is made for use in fountains where slight variations of water level might have serious effects. It is capable to react to up to 3 individual sensors and perform quick-fill, safe-off and maximum level functions. You can directly connect electrovalves and integrate the unit in the fountain's automation. The reaction time is easily configurable from the menu to compensate pool's ripples and the sensors' status is always visible from the led indicators. **Read more on page 439**



Wind Control System

Easily avoid wind side-effects in fountains with the Fontana Wind Control System. The stateof-the-art control unit in combination with any of the two available wind sensors form a functional, safe and utmost reliable solution to deal with high-wind situations. The control unit is specially developed by Fontana for use in fountains, with an incredibly easy to use menu and industry-unique features. You can easily monitor current wind speed, configure the desired wind speed the device should react (3 set points), reaction delay and 3 independent levels of reaction.

Read more on page 441



Halogen Lights

Halogen lights might require more power compared to LEDs, the bulbs have a much shorter life cycle, they are not that "green" and eco-friendly at all but they offer one single intangible value: they create the most timeless, elegant, seductive and discrete warm white color. And this fact is why there still is high demand for new fountains illuminated by conventional lamp equipped spotlights.

Read more on page 234



Make the best of your fountain.



RGB Controller

With the Fontana RGB Controller you can easily create and save your favorite colors from an endless spectrum of 16.7 million hues or you can choose any of the pre-programmed RGB light sequences for a more lively effect. You can configure intensity, color & speed to match your desires and now you can do this remotely with the handy RF remote control. There is also a 6A relay inside the unit for extensive automation flexibility. **Read more on page 227**



FCU

We have changed the fountain industry plenty of times in the past with the Stainless Steel revolution, TheSmartLEDs, the plug-n-play fountain kits, the advanced WaterShow fountains and now it's time for our next breakthrough. Meet the FCU, a unique, in-house developed device that comes to change everything. All over.

The FCU is a device that comes to replace PLCs, RGB controllers, LED lights amplifiers, wind automation panels, water level automation panels & time switches and add a plethora of extra features, while at the same time it reduces the cost of a fountain's control panel by more than 80%.

There is also an amazing new software that bundles with the FCU and gives the user an intuitive, easy to use interface to create fountain choreographies, light shows, configure automations & the fountain's schedule and control every little feature of the FCU. **Read more on page 428**



Stainless Steel Junction Boxes

Junction boxes are used for watertight cable connections and disconnections. You can connect submersible pumps, lights, sensors and other electrical devices safely and effortlessly. There is a wide variety of junction boxes to choose from with models with 4 up to 24 waterproof cable glands for all types of cables. The high quality and corrosion resistant housing is made of AISI 304 stainless steel (or 316 on request) and the removable cover provides extra usability.



Electric Panel

Each Fontana Control Panel is custom made based on each project's unique requirements. We put all our expertise & skills in building a fully automated, easily operated, configurable and accessible control system, that meets all safety standards but above all, we build a state-of-the-art self-contained Control Panel that meets our own quality & safety standards. These standards are what ensures your peace of mind when you know that your fountain is reliably operating day-in, day-out.

Read more on page 434



Dry Pumps

Dry pumps have always been the standard type of pumps for use in fountains. Submersible pumps by Grundfos have revolutionised the field in terms of reliability, cost and ease of installation & maintenance, yet in some occasions the use of dry pumps is necessary. All fountain models can be combined with appropriate Grundfos dry pumps and offer the same spectacular results.

Note that real-time musical operation is not available if the fountain is supplied with dry pumps.

Read more on page 449





SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED[™] RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases
- Spray system made of Stainless Steel

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen Lights
- Stainless Steel submersible junction boxes
- Automated or Manual Electric Panel (indoor or outdoor)
- Dry pumps

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B248

B248 is a distinctive fountain design, with eminent presence of frothy, white water. The three-level design breathes glory making it particularly suitable for any-scale commercial or high-end residential applications with strict requirements regarding elegance and visibility. B248 is considered as classic with its massive volumes of water, visible from long distances and captivating passersby day and night.

When in Hydrostar function this fountain becomes an extravaganza with smooth or rapid movements of its entire volume, which when combined with vivid illumination by TheSmartLED[™] underwater luminaires turns into a glorious, mind-blowing spectacle.

Ideal for shopping malls, municipal parks, hotels, villas, squares etc.

FONTANA

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ТҮРЕ	Max. Spray Height	Pool's Water Depth	Central Nozzle Cascade Jet	Peripheral Nozzles Cascade Jet	Illumination thesmortleo™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
B248-30	4.00 m	50-60 cm	1½"	4 x 1½" 8 x 1½"	26 x 20W 12-24V DC	1 x 3.00KW 3x400V AC 2 x 2.20KW 3x400V AC	•	0	0	0
B248-31	5.00 m	50-60 cm	2"	4 x 1½" 8 x 1½"	10 x 40W 12-24V DC 16 x 20W 12-24V DC	1 x 5.50KW 3x400V AC 2 x 2.20KW 3x400V AC	•	0	0	0
B248-32	6.00 m	60-70 cm	3"	4 x 2" 8 x 2"	12 x 40W 12-24V DC 16 x 20W 12-24V DC	3 x 2.20KW 3x400V AC 1 x 5.50KW 3x400V AC	•	0	0	0
B248-33	8.00 m	60-70 cm	3"	4 x 2" 8 x 2"	28 x 40W 12-24V DC	1 x 7.50KW 3x400V AC 1 x 5.50KW 3x400V AC 2 x 4.00KW 3x400V AC	•	0	0	0



One of the most beautiful and desired water patterns in its category. C135's water shape is formed by 3 spray rings in different heights, creating a uniform and symmetrical fountain. It is ideal for both small and larger, indoor or outdoor applications. The lively water pattern is enhanced when vividly illuminated by TheSmartLED[™] underwater luminaires in single- or multi-color illumination.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen LightsStainless Steel submersible
- junction boxes
- Automated or Manual Electric Panel (indoor or outdoor)
- Dry pumps

ТҮРЕ	Max. Spray Height	Pool's Water Depth	Illumination thesmartlea™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
C135-30	2.50 m	40-50 cm	8 x 20W 12-24V DC	1 x 1.30KW 230V AC	•	-	-	-
C135-31	3.00 m	40-50 cm	12 x 20W 12-24V DC	1 x 1.70KW 230V AC	•	-	-	-
C135-32	3.50 m	40-50 cm	14 x 20W 12-24V DC	3 x 1.30KW 230V AC	•	0	0	0
C135-33	4.00 m	48-60 cm	18 x 20W 12-24V DC	3 x 1.70KW 230V AC	•	0	0	0
C135-34	6.00 m	50-60 cm	16 x 40W 12-24V DC	6 x 1.70KW 230V AC	•	0	0	0



FONTANA



D340 is a truly impressive fountain design with massive volumes of water, breathing life and elegance. A perfect blend of rich, frothy and crystal-clear water spreads at 4 different levels, creating a majestic fountain highly visible at long distances. D340 is excellent for public places like parks, squares, etc and higher-end private projects. It is formed by a central Cascade Jet, two inside-falling spray rings at different heights and four (optionally 6) peripheral Cascade Jets. This water shape is greatly enhanced when illuminated by TheSmartLED[™] underwater lights.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen Lights
- Stainless Steel submersible junction boxes
- Automated or Manual Electric Panel (indoor or outdoor)
- Dry pumps

TYPE	Max. Spray Height	Max. Ring Diameter	Pool's Water Depth	Central Nozzle Cascade Jet	Peripheral Nozzles Cascade Jet	Illumination thesmortled™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
D340-20	2.75 m	1.80 m	40-50 cm	1½"	4 x 1¼"	12 x 20W 12-24V DC	1 x 1.30KW 230V AC 4 x 0.70KW 230V AC	•	0	0	0
D340-21	3.75 m	3.00 m	40-50 cm	1½"	4 x 1½"	20 x 20W 12-24V DC	1 x 1.70KW 230V AC 4 x 0.90KW 230V AC	•	0	0	0
D340-22	4.75 m	4.45 m	40-50 cm	1½"	4 x 1½"	24 x 20W 12-24V DC	1 x 1.10KW 230V AC 3 x 1.70KW 230V AC 2 x 1.30KW 230V AC	•	0	0	0
D340-23	6.00 m	5.35 m	40-50 cm	2"	4 x 1 ½"	24 x 40W 12-24V DC	1 x 2.20KW 3x400V AC 6 x 1.70KW 230V AC	•	0	0	0

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Available with 6 peripheral Cascade Jets as well.

FONTANA

107



C153 is an elegant & modern fountain design, created by a central Cascade Jet and two outside-falling Spray Rings. When in Hydrostar or Real-Time Musical function this fountain becomes a focal point with smooth or rapid movements of its entire volume split into 3 channels, which when combined with vivid illumination by TheSmartLED[™] underwater luminaires turns into a glorious spectacle. C153 is ideal for shopping malls, municipal parks, hotels, villas, squares etc.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen Lights
- Stainless Steel submersible junction boxes
- Automated or Manual Electric
 Panel (indoor or outdoor)
- Dry pumps

Max. Spray **Pool's Water** Illumination TYPE **Central Nozzle** Pumps Height Depth thesmartled[™] Technoloav 1 x 1.70KW 230V AC C153-51 3.70 m 50-60 cm Cascade Jet 11/2" 10 x 20W 12-24V DC 0 0 2 x 0.70KW 230V AC 1 x 1.10KW 230V AC C153-52 4.70 m 50-60 cm Cascade Jet 11/2" 16 x 20W 12-24V DC 0 0 2 x 1.70KW 230V AC 1 x 2.20KW 3x400V AC 16 x 40W 12-24V DC C153-53 6.00 m 50-60 cm Cascade Jet 2" 0 0 4 x 1.70KW 230V AC C153-54 8.00 m 50-60 cm Cascade Jet 2" 20 x 40W 12-24V DC 3 x 4.00KW 3x400V AC 0 0 0





C156's water shape is deployed in 4 levels of massive frothy water and crystal clear streams. Two outside-falling Spray Rings and a slightly inside-falling one, combined with a central Foam Jet create a fascinating, dynamic fountain that fills the entire basin. C156 becomes a glorious spectacle when illuminated vividly by TheSmartLED[™] underwater luminaires, ideal for shopping malls, municipal parks, hotels, villas, squares etc.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen Lights
- Stainless Steel submersible junction boxes
- Automated or Manual Electric
 Panel (indoor or outdoor)
- Dry pumps

ТҮРЕ	Max. Spray Height	Pool's Water Depth	Central Nozzle	Illumination thesmartled™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
C156-30	3.50 m	50-60 cm	Foam Jet 11/2"	12 x 20W 12-24V DC	4 x 0.90KW 230V AC	•	0	0	0
C156-31	4.00 m	50-60 cm	Foam Jet 2"	16 x 20W 12-24V DC	4 x 1.30KW 230V AC	•	0	0	0
C156-32	5.00 m	50-60 cm	Foam Jet 2"	16 x 40W 12-24V DC	5 x 1.70KW 230V AC	•	0	0	0
C156-33	7.00 m	50-60 cm	Foam Jet 3"	20 x 40W 12-24V DC	3 x 4.00KW 3x400V AC	•	0	0	0

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Three shapely levels of clear water streams – two outside-falling and an inside-falling one, form one of the most classic and popular fountain designs. When in Hydrostar or Real-Time Musical function this fountain becomes a focal point with smooth or rapid movements, which when combined with vivid illumination by TheSmartLED[™] underwater luminaires turns into an amazing spectacle. C155 is ideal for any-scale residential or commercial applications like shopping malls, municipal parks, hotels, villas, squares etc.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen Lights
- Stainless Steel submersible
 junction boxes
- Automated or Manual Electric
 Panel (indoor or outdoor)
- Dry pumps

ТҮРЕ	Max. Spray Height	Pool's Water Depth	Illumination thesmartlea™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
C155-30	2.50 m	40-50 cm	8 x 20W 12-24V DC	1 x 1.30KW 230V AC	٠	-	-	-
C155-31	3.00 m	40-50 cm	12 x 20W 12-24V DC	1 x 1.70KW 230V AC	•	-	-	-
C155-32	3.50 m	40-50 cm	14 x 20W 12-24V DC	3 x 1.30KW 230V AC	٠	0	0	0
C155-33	4.00 m	48-60 cm	18 x 20W 12-24V DC	3 x 1.70KW 230V AC	•	0	0	0
C155-34	6.00 m	50-60 cm	16 x 40W 12-24V DC	6 x 1.70KW 230V AC	٠	0	0	0



FONTANA



C225 is an elegant fountain design with massive volumes of water, breathing life and elegance. A perfect blend of rich, frothy and crystal-clear water spreads at 4 different levels, creating a majestic fountain highly visible at long distances. C225 is excellent for public places like parks, squares, etc and higher-end private projects. It is formed by a central Cascade Jet, three outside-falling spray rings at different heights and 6 peripheral Cascade Jets. This water shape is greatly enhanced when illuminated by TheSmartLED[™] underwater lights.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy InstallationTheSmartLED[™]RGB Stainless Steel
- underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

- PROFESSIONAL ADD-ONS
- Water Level Control System
- Wind Control System
- FCURGB
 - RGB Controller
 - Illumination with Halogen Lights
 - Stainless Steel submersible junction boxes
 - Automated or Manual Electric
 Panel (indoor or outdoor)
 - Dry pumps

ТҮРЕ	Max. Spray Height	Pool's Water Depth	Peripheral Nozzles	Illumination thesmortleo [™] Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
C225-30	3.00 m	50-60 cm	6 x Cascade Jet 1¼"	12 x 20W 12-24V DC	1 x 1.70KW 230V AC 2 x 0.70KW 230V AC	•	0	0	0
C225-31	3.50 m	50-60 cm	6 x Cascade Jet 1¼"	16 x 20W 12-24V DC	2 x 1.30KW 230V AC 1 x 1.70KW 230V AC	•	0	0	0
C225-32	4.50 m	50-60 cm	6 x Cascade Jet 11/4"	24 x 20W 12-24V DC	5 x 1.70KW 230V AC	•	0	0	0

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A majestic, utterly impressive and elegant fountain design formed in multiple levels. D690 is exclusively designed by Fontana Fountains for large scale commercial or high-end residential applications with strict requirements regarding visibility, elegance and impressiveness.

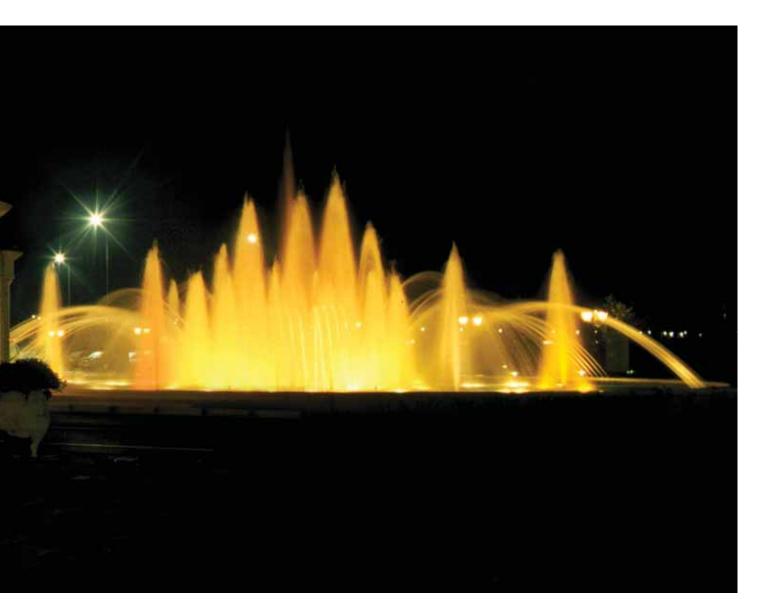
D690's awe-inspiring design involves massive volumes of water created by divided spray rings and a multitude of frothy Cascade Jets at different heights and scales. This marvelous fountain has a unique way to enhance the natural magic and liveliness of water.

When in Hydrostar or Real-Time Musical function this fountain becomes an extravaganza with smooth or rapid movements of its entire volume, which when combined with vivid illumination by TheSmartLED[™] underwater luminaires turns into a glorious, mind-blowing spectacle.

Due to the scalability of this fountain design, there are no standard models. This fountain is made according to the basin's dimensions. Contact us for more details.









FONTANN 113



B208

- > Architectural Water Pattern
- > Entirely Frothy & Massive Water
- > For all-scale, residential & commercial applications
- 8 Cascade Jets in a Row
- Powerful, reliable & efficient pumps made of Stainless Steel
- > Bright, Vivid and efficient illumination by TheSmartLED[™] RGB luminaires

ТҮРЕ	Max. Spray Height	Pool's Water Depth	Spray System Length	Nozzle Type	Illumination thesmartleo™ Technology	Pumps
B208-25	1.00 m	45-55 cm	5.80 m	Cascade Jet 11/2"	16 x 20W 12-24V DC	1 x 3.00KW 3x400V AC
B208-26	1.50 m	45-55 cm	7.00 m	Cascade Jet 11/2"	16 x 20W 12-24V DC	1 x 4.00KW 3x400V AC
B208-27	2.00 m	45-55 cm	8.40 m	Cascade Jet 11/2"	16 x 20W 12-24V DC	1 x 5.50KW 3x400V AC
B208-28	3.00 m	45-55 cm	10.0 m	Cascade Jet 11/2"	16 x 40W 12-24V DC	2 x 3.00KW 3x400V AC
B208-29	1.75 m	45-55 cm	12.0 m	Cascade Jet 2"	16 x 20W 12-24V DC	2 x 4.00KW 3x400V AC

B532

> Dynamic Water Pattern

- > Entirely Frothy & Massive Water
- For all-scale, residential & commercial applications
- > 1 Aerating Fleur de Lis & 4 Cascades
- Powerful, reliable & efficient pumps made of Stainless Steel
- > Bright, Vivid and efficient illumination by TheSmartLED™ RGB luminaires
- Prefabricated Fountain System
- For all types of pools



ТҮРЕ	Max. Spray Height	Pool's Water Depth	Central Head's Nozzles	Peripheral Nozzles	Illumination thesmortleo™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
B532-26	4.00 m	50-60 cm	19 Aerating Jets	4 Cascade Jets 11/2"	16 x 20W 12-24V DC	1 x 2.20KW 3x400V AC 2 x 1.30KW 230V AC	•	0	-	0
B532-27	6.00 m	50-60 cm	19 Aerating Jets	4 Cascade Jets 11/2"	18 x 20W 12-24V DC	2 x 3.00KW 3x400V AC	•	0	-	0
B532-28	8.00 m	60-65 cm	25 Aerating Jets	4 Cascade Jets 11/2"	20 x 40W 12-24V DC	1 x 7.50KW 3x400V AC 1 x 3.00KW 3x400V AC	•	0	-	0







C136 is an elegant & modern fountain design, deploying in 4 levels with spray rings at every direction. When in Hydrostar or Real-Time Musical function this fountain becomes a focal point with smooth or rapid movements of its entire volume split into 4 channels, which when combined with vivid illumination by TheSmartLED[™] underwater luminaires turns into a fascinating spectacle. C136 is ideal for any scale residential or commercial applications like shopping malls, municipal parks, hotels, villas, squares etc.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
 TheSmartLED[™] RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen Lights
- Stainless Steel submersible junction boxes
- Automated or Manual Electric Panel (indoor or outdoor)
- Dry pumps

ТҮРЕ	Max. Spray Height	Pool's Water Depth	Illumination thesmortleo [™] Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
C136-30	3.30 m	40-50 cm	10 x 20W 12-24V DC	4 x 0.48KW 230V AC	•	0	0	0
C136-31	3.80 m	40-50 cm	12 x 20W 12-24V DC	4 x 0.70KW 230V AC	•	0	0	0
C136-32	4.00 m	50-60 cm	16 x 20W 12-24V DC	4 x 1.30KW 230V AC	•	0	0	0
C136-33	5.00 m	50-60 cm	18 x 20W 12-24V DC	4 x 1.70KW 230V AC	•	0	0	0
C136-34	8.00 m	50-60 cm	20 x 40W 12-24V DC	8 x 1.70KW 230V AC	٠	0	0	0

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FONTANN

115



D320 is a truly impressive fountain design with massive volumes of water, breathing life and elegance. A perfect blend of rich, frothy and crystal-clear water spreads at 4 different levels, creating a majestic fountain highly visible from long distances. D320 is excellent for public places like parks, squares, etc and higher-end private projects. It is formed by a central Foam Jet, two inside-falling spray rings at different heights and four (optionally 6) Cascade Jets between the 2 Spray Rings. This water shape is greatly enhanced when illuminated by TheSmartLED[™] underwater lights.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

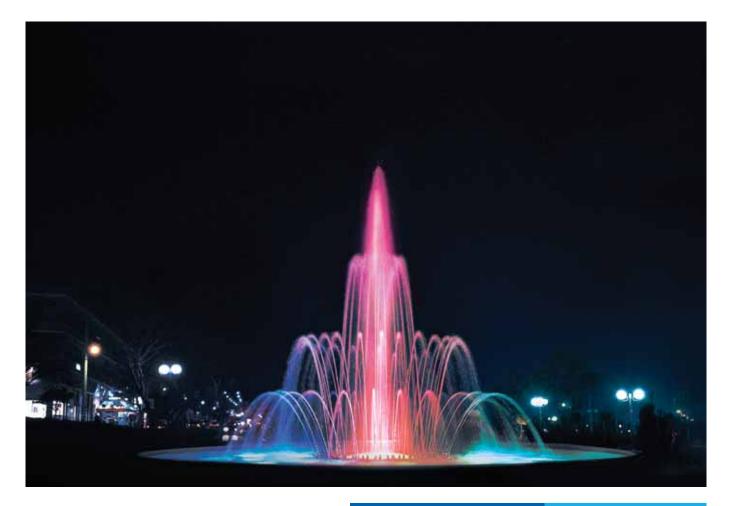
PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen Lights
- Stainless Steel submersible junction boxes
- Automated or Manual Electric
 Panel (indoor or outdoor)
- Dry pumps

ТҮРЕ	Max. Spray Height	Max. Ring Diameter	Pool's Water Depth	Central Nozzle Foam Jet	Peripheral Nozzles Cascade Jet	Illumination thesmortleo™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
D320-32	4.00 m	4.45 m	45-55 cm	2"	4 x 1½"	18 x 20W 12-24V DC	6 x 1.30KW 230V AC	•	0	0	0
D320-33	5.00 m	5.35 m	45-55 cm	2"	4 x 1½"	20 x 20W 12-24V DC	6 x 1.70KW 230V AC	•	0	0	0
D320-34	6.00 m	6.24 m	45-55 cm	3"	4 x 1½"	8 x 40W 12-24V DC 16 x 20W 12-24V DC	1 x 2.20KW 3x400V AC 5 x 1.70KW 230V AC	•	0	0	0
D320-35	8.00 m	7.13 m	45-55 cm	3"	4 x 2"	8 x 40W 12-24V DC 20 x 20W 12-24V DC	1 x 3.00KW 3x400V AC 2 x 1.70KW 230V AC 1 x 4.00KW 3x400V AC	•	0	0	0



FONTANA



C158's water shape is deployed in 4 levels of frothy water and crystal clear streams. Two outside-falling Spray Rings and a slightly inside-falling one, combined with a central Cascade Jet create a fascinating, dynamic fountain that fills the entire basin. C158 becomes a glorious spectacle when illuminated vividly by TheSmartLED[™] underwater luminaires, ideal for shopping malls, municipal parks, hotels, villas, squares etc.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen Lights
- Stainless Steel submersible junction boxes
- Automated or Manual Electric
 Panel (indoor or outdoor)
- Dry pumps

TYPE	Max. Spray Height	Pool's Water Depth	Central Nozzle	Illumination thesmartled™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
C158-35	3.70 m	50-60 cm	Cascade Jet 11/2"	10 x 20W 12-24V DC	1 x 1.70KW 230V AC 3 x 0.70KW 230V AC	•	0	0	0
C158-36	4.00 m	50-60 cm	Cascade Jet 11/2"	14 x 20W 12-24V DC	5 x 1.30KW 230V AC	•	0	0	0
C158-37	5.00 m	50-60 cm	Cascade Jet 1½"	16 x 20W 12-24V DC	1 x 1.10KW 230V AC 3 x 1.70KW 230V AC	•	0	0	0
C158-38	6.50 m	50-60 cm	Cascade Jet 2"	18 x 40W 12-24V DC	1 x 3.00KW 3x400V AC 6 x 1.70KW 230V AC	•	0	0	0

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A popular and elegant fountain design that is created from an inside-falling Spray Ring, a central Foam Jet and 4 peripheral Cascade Jets. This dynamic water shape fills effectively all kinds of pools, of any scale, making it ideal for residential or commercial applications such as hotels, shopping malls, parks, squares, etc. An amazing look is achieved when vividly illuminated by the colorful RGB TheSmartLED[™] underwater luminaires.

- > For all-scale, residential & commercial applications
- Powerful, reliable & efficient pumps made of Stainless Steel
- > Bright, Vivid and efficient illumination by TheSmartLED[™] RGB luminaires
- > Prefabricated Fountain System
- > For all types of pools

ТҮРЕ	Max. Spray Height	Max. Ring Diameter	Pool's Water Depth	Central Nozzle Foam Jet	Peripheral Nozzles Cascade Jet	Illumination thesmartleo™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
D304-30	2.75 m	1.20 m	45-55 cm	1½"	4 x 1½"	10 x 20W 12-24V DC	1 x 1.30KW 230V AC 1 x 1.70KW 230V AC 1 x 0.70KW 230V AC	•	0	0	0
D304-31	3.75 m	1.50 m	45-55 cm	1½"	4 x 1½"	14 x 20W 12-24V DC	1 x 1.70KW 230V AC 3 x 1.30KW 230V AC	•	0	0	0
D304-32	4.50 m	1.80 m	50-60 cm	1½"	4 x 1½"	16 x 20W 12-24V DC	1 x 1.10KW 230V AC 3 x 1.70KW 230V AC	•	0	0	0
D304-33	6.00 m	2.15 m	50-60 cm	2"	4 x 1½"	16 x 40W 12-24V DC	1 x 2.20KW 3x400V AC 1 x 3.00KW 3x400V AC 2 x 1.70KW 230V AC	•	0	0	0





Designed to gracefully fill small-medium scale basins. The beautiful water shape of C116 is created by an outwards-pointing spray ring and a Bouquet in the middle. This fountain breaths life to the surrounding area, perfectly blending the soothing sound and the lively view of water. Great solution for hotels, parks, shopping malls, offices, residential, commercial and public areas, indoors or outdoors.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable
- Fountain System adjustable by 20 cm in height with telescopic bases

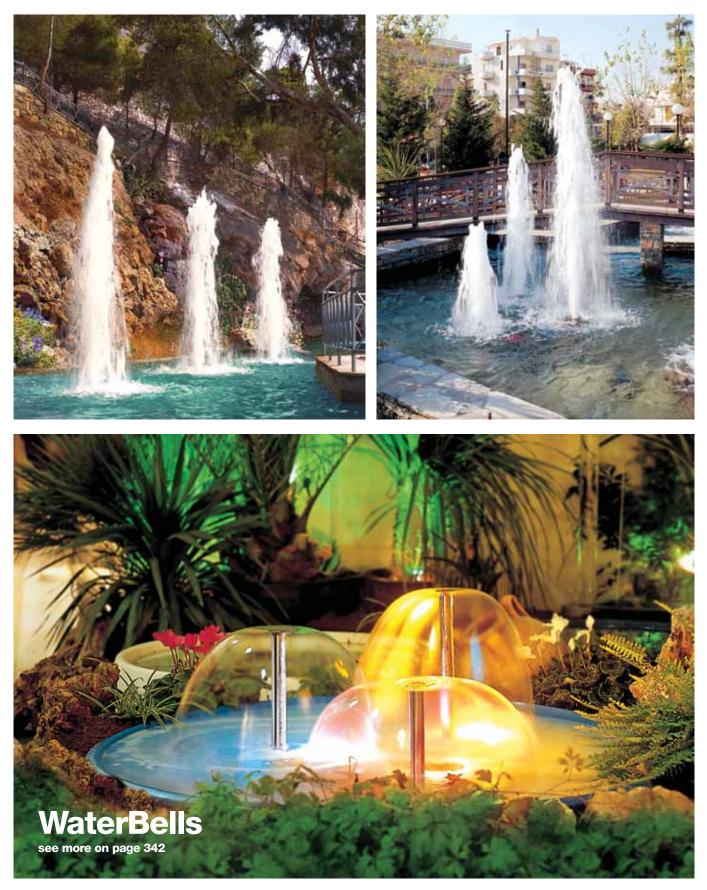
PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen LightsStainless Steel submersible
- junction boxes

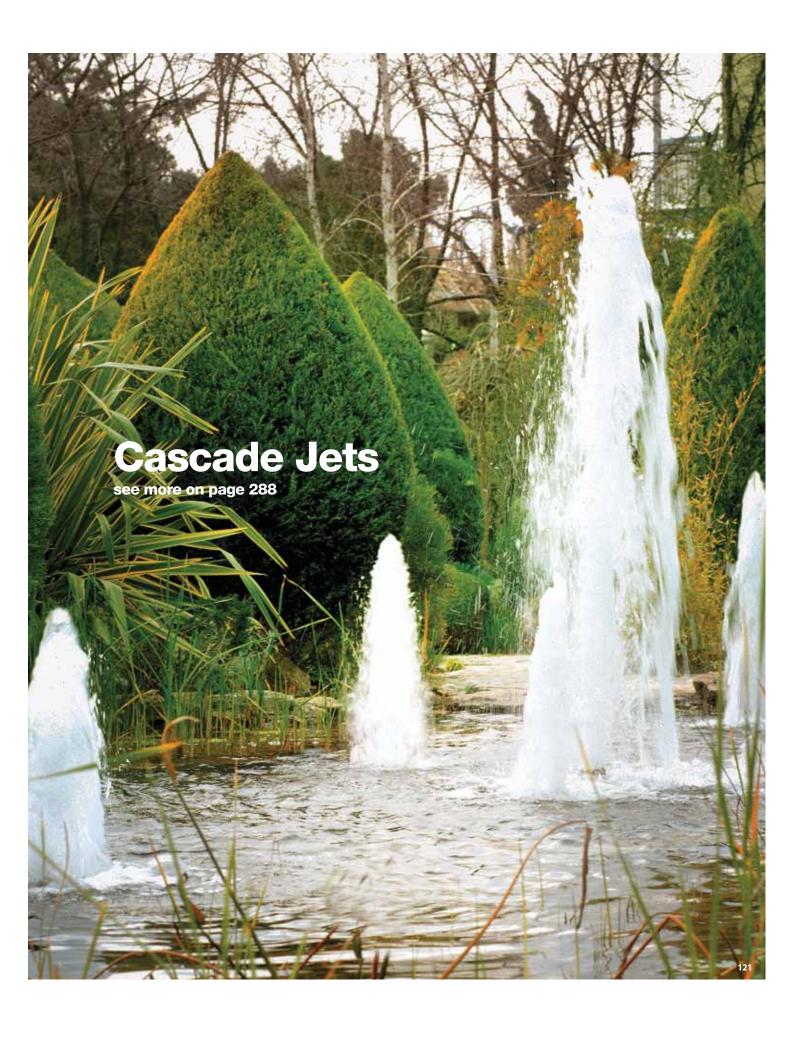
 Automated or Manual Electric
- Panel (indoor or outdoor)
- Dry pumps

ТҮРЕ	Max. Spray Height	Pool's Water Depth	Illumination thesmortleo™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
C116-30	2.50 m	40-50 cm	6 x 20W 12-24V DC	1 x 0.70KW 230V AC	•	-	-	-
C116-31	3.00 m	40-50 cm	8 x 20W 12-24V DC	1 x 0.90KW 230V AC	•	-	-	-
C116-32	3.50 m	50-60 cm	10 x 20W 12-24V DC	2 x 1.30KW 230V AC	•	0	-	0
C116-33	4.50 m	50-60 cm	14 x 20W 12-24V DC	2 x 1.70KW 230V AC	•	0	-	0

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120 FONTANA





Three shapely levels of clear water streams - all inside-falling, form one of the most classic and popular fountain designs. When in Hydrostar or Real-Time Musical function this fountain becomes a focal point with smooth or rapid movements, which when combined with vivid illumination by TheSmartLED[™] underwater luminaires turns into an amazing spectacle. D125 is ideal for any-scale residential or commercial applications like shopping malls, municipal parks, hotels, villas, squares etc.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen Lights
- Stainless Steel submersible junction boxes
- Automated or Manual Electric Panel (indoor or outdoor)
- Dry pumps

TYPE	Max. Spray Height	Max. Ring Diameter	Pool's Water Depth	Illumination thesmartled™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
D125-30	3.00 m	3.00 m	40-50 cm	12 x 20W 12-24V DC	3 x 0.70KW 230V AC	٠	0	0	0
D125-31	3.50 m	3.56 m	40-50 cm	14 x 20W 12-24V DC	3 x 0.90KW 230V AC	•	0	0	0
D125-32	4.00 m	4.45 m	40-50 cm	18 x 20W 12-24V DC	2 x 1.70KW 230V AC 2 x 1.30KW 230V AC	•	0	0	0
D125-33	5.00 m	5.35 m	40-50 cm	24 x 20W 12-24V DC	6 x 1.70KW 230V AC	•	0	0	0





A beautiful fountain design created by one central Cascade Jet and two Spray Rings, one vertical falling and the other one outside falling, creating a graceful, lavish effect. When in Hydrostar or Real-Time Musical function this fountain becomes a focal point with smooth or rapid movements, which when combined with vivid illumination by TheSmartLED[™] underwater luminaires turns into an amazing spectacle. It is ideal for any-scale residential or commercial applications like shopping malls, municipal parks, hotels, villas, squares etc.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen Lights
- Stainless Steel submersible junction boxes
- Automated or Manual Electric
 Panel (indoor or outdoor)
- Dry pumps

ТҮРЕ	Max. Spray Height	Pool's Water Depth	Central Nozzle	Illumination thesmortleo™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
C133-50	2.75 m	50-60 cm	Cascade Jet 1½"	8 x 20W 12-24V DC	1 x 1.30KW 230V AC 2 x 0.48KW 230V AC	•	0	0	0
C133-51	3.70 m	50-60 cm	Cascade Jet 1½"	10 x 20W 12-24V DC	1 x 1.70KW 230V AC 2 x 0.70KW 230V AC	•	0	0	0
C133-52	4.70 m	50-60 cm	Cascade Jet 1½"	16 x 40W 12-24V DC	1 x 1.10KW 230V AC 2 x 1.70KW 230V AC	•	0	0	0
C133-53	6.00 m	50-60 cm	Cascade Jet 2"	16 x 40W 12-24V DC	1 x 2.20KW 3x400V AC 4 x 1.70KW 230V AC	•	0	0	0
C133-54	8.00 m	50-60 cm	Cascade Jet 2"	20 x 40W 12-24V DC	3 x 4.00KW 3x400V AC	•	0	0	0



Designed to fill gracefully small-medium scale basins. The beautiful water shape of D117 is created by an inwards-pointing spray ring and a Fleur de Lis in the middle. This fountain breaths life to the surrounding area, perfectly blending the soothing sound and the lively view of water. Great solution for hotels, parks, shopping malls, offices, residential, commercial and public areas, indoors or outdoors.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED[™]RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen LightsStainless Steel submersible
- junction boxes
- Automated or Manual Electric
 Panel (indoor or outdoor)
- Dry pumps

ТҮРЕ	Max. Spray Height	Max. Ring Diameter	Pool's Water Depth	Illumination thesmortleo™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
D117-26	2.50 m	3.00 m	40-50 cm	6 x 20W 12-24V DC	2 x 0.48KW 230V AC	•	0	-	0
D117-27	3.00 m	3.56 m	40-50 cm	9 x 20W 12-24V DC	3 x 0.70KW 230V AC	•	0	-	0
D117-28	3.50 m	4.45 m	50-60 cm	14 x 20W 12-24V DC	3 x 0.90KW 230V AC	•	0	-	0
D117-29	4.50 m	5.35 m	50-60 cm	18 x 20W 12-24V DC	3 x 1.70KW 230V AC	•	0	-	0



FONTANA



D138's water shape is deployed in 4 levels of frothy water and crystal clear streams. One inside-falling Spray Ring, one vertical and a slightly inside-falling one, combined with a central Cascade Jet create a fascinating, dynamic fountain that fills the entire basin. D138 becomes a glorious spectacle when illuminated vividly by TheSmartLED[™] underwater luminaires, ideal for shopping malls, municipal parks, hotels, villas, squares etc.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
- RGB Controller
- Illumination with Halogen Lights
- Stainless Steel submersible junction boxes
- Automated or Manual Electric Panel (indoor or outdoor)
- Dry pumps

ТҮРЕ	Max. Spray Height	Max. Ring Diameter	Pool's Water Depth	Central Nozzle Cascade Jet	Illumination thesmortleo™ Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
D138-35	3.75 m	3.00 m	45-55 cm	11⁄2"	14 x 20W 12-24V DC	1 x 1.70KW 230V AC 3 x 0.70KW 230V AC	•	0	0	0
D138-36	4.75 m	4.45 m	45-55 cm	1½"	20 x 20W 12-24V DC	1 x 1.10KW 230V AC 2 x 1.70KW 230V AC 2 x 1.30KW 230V AC	•	0	0	0
D138-37	6.00 m	5.35 m	50-60 cm	2"	24 x 25W 12-24V DC	1 x 2.20KW 3x400V AC 4 x 1.70KW 230V AC	•	0	0	0
D138-38	8.00 m	7.13 m	50-60 cm	2"	8 x 40W 12-24V DC 24 x 20W 12-24V DC	1 x 4.00KW 3x400V AC 6 x 1.70KW 230V AC	•	0	0	0

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FONTANA

125



Three shapely levels of clear water streams – one inside-falling, one vertical and an inside-falling one form one of the most classic and popular fountain designs. When in Hydrostar or Real-Time Musical function this fountain becomes a focal point with smooth or rapid movements, which when combined with vivid illumination by TheSmartLED[™] underwater luminaires turns into an amazing spectacle. D135 is ideal for any-scale residential or commercial applications like shopping malls, municipal parks, hotels, villas, squares etc.

SPECIFICATIONS

- Prefabricated Fountain System
- Fast & Easy Installation
- TheSmartLED™ RGB Stainless Steel underwater lights; Vivid, multicolor illumination with integrated RGB sequence and self-protection
- Grundfos Stainless Steel submersible pumps, with filter, prewired with 10 Meters cable (for pumps 0.30KW-1.70KW)
- Fountain System adjustable by 20 cm in height with telescopic bases

PROFESSIONAL ADD-ONS

- Water Level Control System
- Wind Control System
- FCU
 - RGB Controller
 - Illumination with Halogen Lights
 - Stainless Steel submersible junction boxes
 - Automated or Manual Electric Panel (indoor or outdoor)
 - Dry pumps

ТҮРЕ	Max. Spray Height	Max. Ring Diameter	Pool's Water Depth	Illumination thesmatled [™] Technology	Pumps	Stable	Sequencing	Musical	Hydrostar
D135-30	3.00 m	3.00 m	40-50 cm	12 x 20W 12-24V DC	3 x 0.70KW 230V AC	٠	0	0	0
D135-31	3.50 m	3.56 m	40-50 cm	14 x 20W 12-24V DC	3 x 0.90KW 230V AC	٠	0	0	0
D135-32	4.00 m	4.45 m	40-50 cm	18 x 20W 12-24V DC	2 x 1.70KW 230V AC 2 x 1.30KW 230V AC	•	0	0	0
D135-33	5.00 m	5.35 m	40-50 cm	24 x 20W 12-24V DC	6 x 1.70KW 230V AC	•	0	0	0

A classic and one of the most popular fountain designs, created by an inside falling Spray Ring and a central Foam jet. It is ideal for small-medium scale applications for hotels, parks, villas, residential or commercial use, indoors or outdoors. The dynamic water pattern is enhanced when vividly illuminated by TheSmartLED[™] underwater luminaires in single- or multi-color illumination.

ТҮРЕ	Max. Spray Height	Max. Ring Diameter	Illumination thesmartled [™] Technology	Pump(s)
D104-20	1.5 m	0.75 m	3 x 14W 12-24V DC	1 x 0.48KW 230V AC
D104-21	2.0 m	0.90 m	4 x 14W 12-24V DC	1 x 0.70KW 230V AC
D104-22	2.5 m	1.20 m	4 x 14W 12-24V DC	1 x 0.90KW 230V AC
D104-23	3.0 m	1.50 m	4 x 20W 12-24V DC	1 x 1.30KW 230V AC
D104-24	4.0 m	1.80 m	6 x 20W 12-24V DC	2 x 1.30KW 230V AC
D104-25	5.0 m	1.80 m	6 x 40W 12-24V DC	2 x 1.70KW 230V AC



B169



ТҮРЕ	Max. Height	Pool's Water Depth	No. of Arms	Arms Size	Illumination thesmortleo [™] Technology	Pump
B169-20	0.50 m	40 cm	5	1⁄2"	4 x 14W 12-24V DC	1 x 0.30KW 230V AC
B169-21	0.60 m	40 cm	5	1"	4 x 20W 12-24V DC	1 x 0.70KW 230V AC
B169-23	0.70 m	40 cm	9	1/2"	8 x 20W 12-24V DC	1 x 0.90KW 230V AC

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Galaxy Spheres

An utterly spectacular and captivating, massive and yet delicate at the same time water effect is created by the Galaxy Spheres. The water pattern is generated by multiple water discs interlacing a dandelion-like shape. When in operation the distinctive shape of Galaxy Spheres is visible from long distances and especially when illuminated with single or multicolor illumination the view becomes truly stunning. Galaxies are the only fountain shapes that serve their purpose even when not in operation. When water is not flowing through the arms of Galaxy Spheres, they look like sculptures of modern art. Manufactured entirely of stainless steel, apart from being literally unaffected by corrosion, they look astonishing with their stylish shiny, silver polished finishing. Galaxy Spheres are ideal for malls, parks and large-scale public areas, and they can be used in groups to create an even more impressive scene.

	ТҮРЕ	Max. Height	Galaxy Diameter	Pool's Water Depth	No. of Arms	Illumination thesmartled [™] Technology	Pump
MICRO	B320-33	1.40 m	0.60 m	40 cm	25	4 x 20W 12-24V DC	0.70KW 230V AC
ЫМ	B320-34	1.70 m	0.80 m	40 cm	41	6 x 20W 12-24V DC	0.70KW 230V AC
I	B320-35	2.00 m	0.90 m	40 cm	37	6 x 20W 12-24V DC	1.70KW 230V AC
I	B320-36	2.45 m	1.20 m	40 cm	61	10 x 20W 12-24V DC	2.20KW 3x400V AC
I	B320-37	2.45 m	1.20 m	40 cm	79	10 x 20W 12-24V DC	3.00KW 3x400V AC
I	3320-38	2.90 m	1.50 m	40 cm	79	12 x 20W 12-24V DC	3.00KW 3x400V AC
I	3320-39	2.90 m	1.50 m	40 cm	127	12 x 20W 12-24V DC	5.50KW 3x400V AC
I	3320-40	3.75 m	2.00 m	40 cm	79	8 x 40W 12-24V DC	3.00KW 3x400V AC
	3320-41	3.75 m	2.00 m	40 cm	127	10 x 40W 12-24V DC	5.50KW 3x400V AC
	3320-42	4.25 m	2.50 m	40 cm	127	12 x 40W 12-24V DC	5.50KW 3x400V AC
	3320-43	5.25 m	3.00 m	40 cm	173	16 x 40W 12-24V DC	7.50KW 3x400V AC



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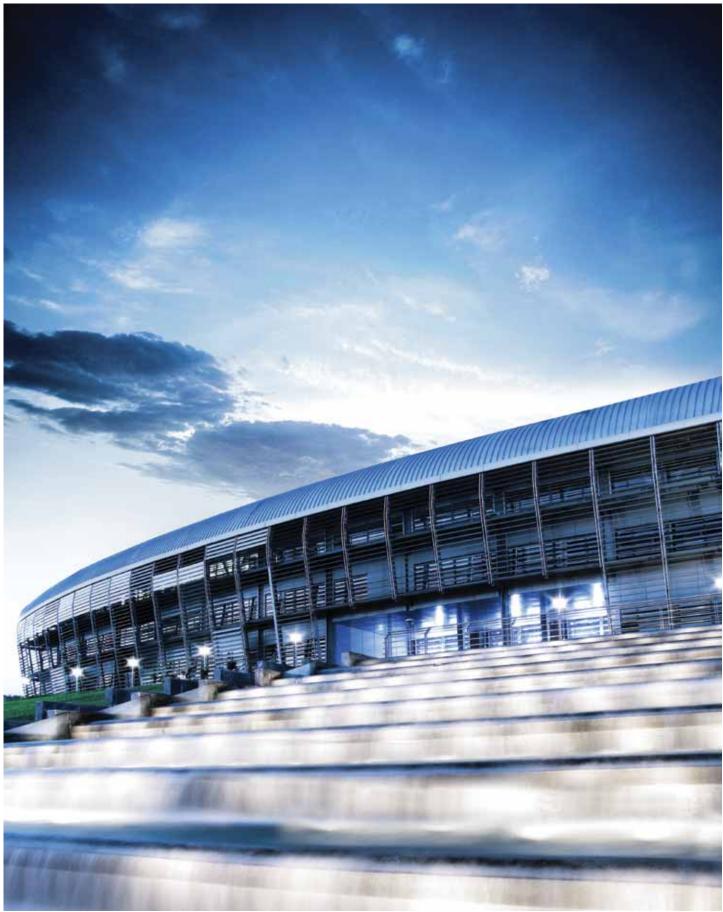


Galaxy Hemispheres

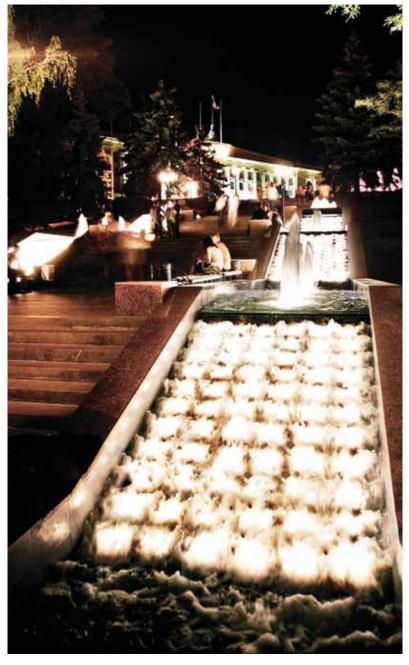
Galaxy Hemispheres, just like Spheres create an utterly spectacular, massive and yet delicate at the same time water effect. The water pattern is generated by multiple water discs interlacing a half-dandelion shape. The distinctive shape is visible from long distances and especially when illuminated with single or multicolor illumination the view becomes truly stunning. Due to the fact that less arms/outlets are used to create a similarly sized effect to the Sphere models, the Hemispheres are considered the efficient option among Galaxies. When water is not flowing through the arms of Galaxy Spheres, they look like sculptures of modern art with their stylish shiny, silver polished finishing.

	ТҮРЕ	Max. Height	Galaxy Diameter	Pool's Water Depth	No. of Arms	Illumination thesmartled [™] Technology	Pump
ß	B300-31	0.90 m	0.60 m	40 cm	19	4 x 20W 12-24V DC	0.48KW 230V AC
MICRO	B300-32	1.00 m	0.80 m	40 cm	33	6 x 20W 12-24V DC	0.70KW 230V AC
E	3300-33	1.15 m	0.90 m	40 cm	25	6 x 20W 12-24V DC	0.70KW 230V AC
E	3300-34	1.30 m	1.20 m	40 cm	49	8 x 20W 12-24V DC	2.20KW 3x400V AC
E	3300-35	1.55 m	1.50 m	40 cm	49	10 x 20W 12-24V DC	2.20KW 3x400V AC
E	3300-36	1.90 m	2.00 m	40 cm	73	12 x 20W 12-24V DC	2.20KW 3x400V AC
E	3300-37	2.25 m	2.50 m	40 cm	73	10 x 40W 12-24V DC	3.00KW 3x400V AC
E	3300-38	2.50 m	3.00 m	40 cm	125	15 x 40W 12-24V DC	5.50KW 3x400V AC

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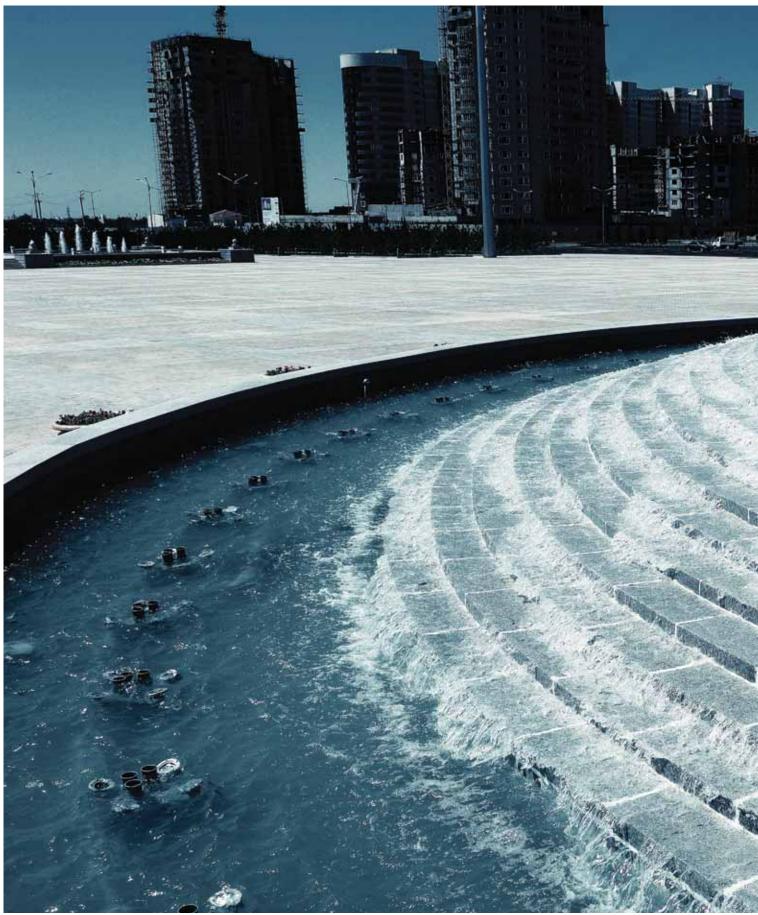
Waterfalls

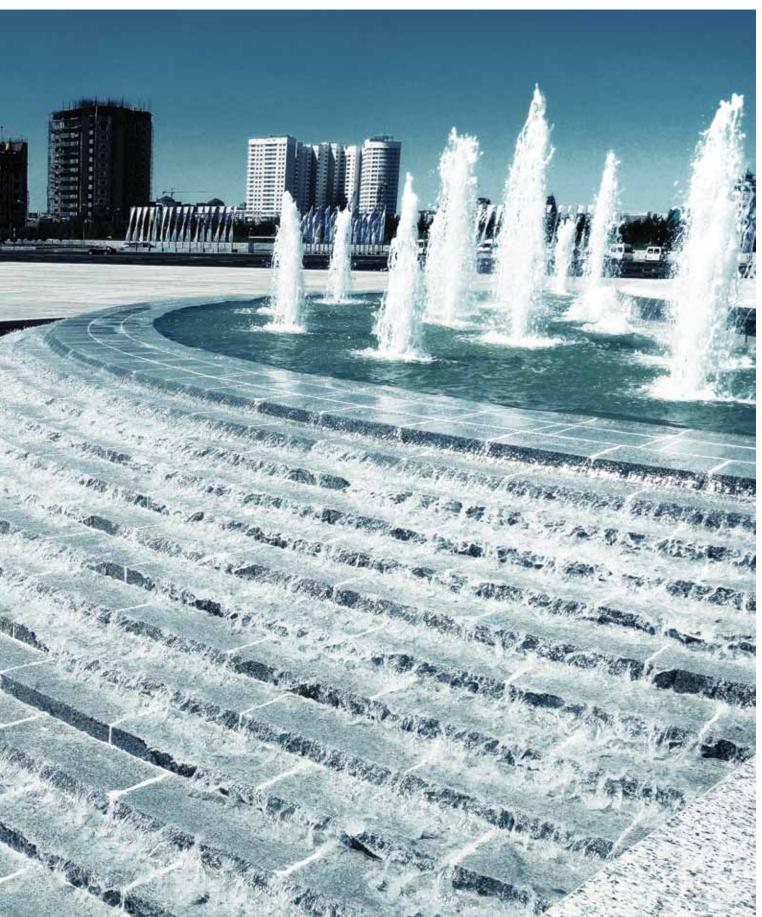
The natural flow of waterfalls, recreates or accompanies nature turning the surrounding area into an oasis.

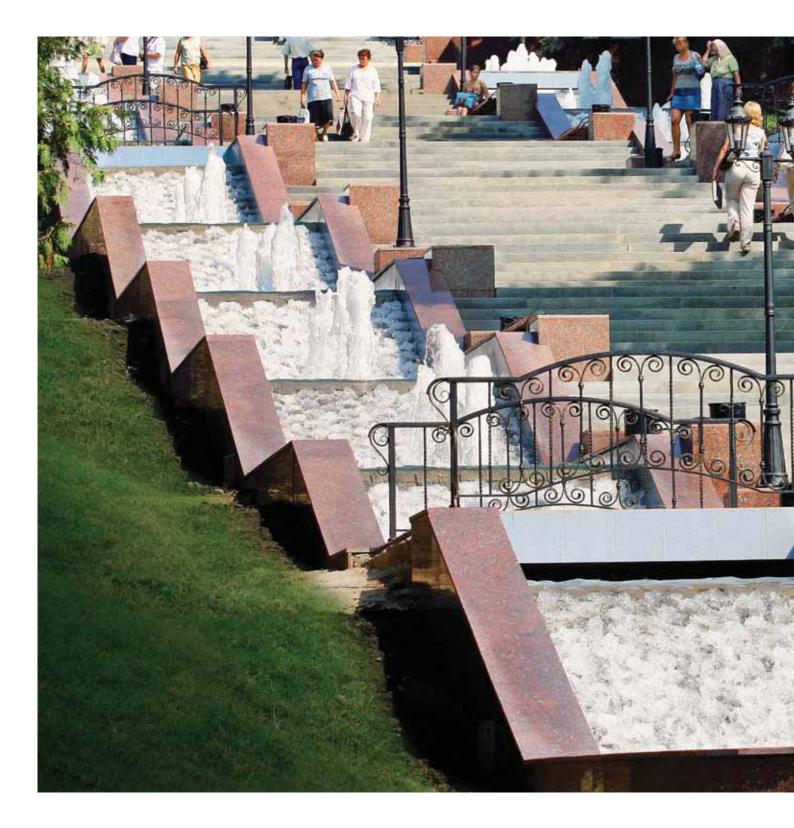
The mesmerizing sight and the soothing sound of water twist the atmosphere and certainly enchants & impresses everybody triggering a plethora of emotions.

With our 40-year experience and after designing and supplying thousands of waterfalls, we can assist you in design and supply the appropriate equipment required for your waterfall whatever your requirements are. From aggressive, massive waterfalls on natural rocks to smoother multi-level flow over artificial steps or nearly soundless fall on various surfaces.

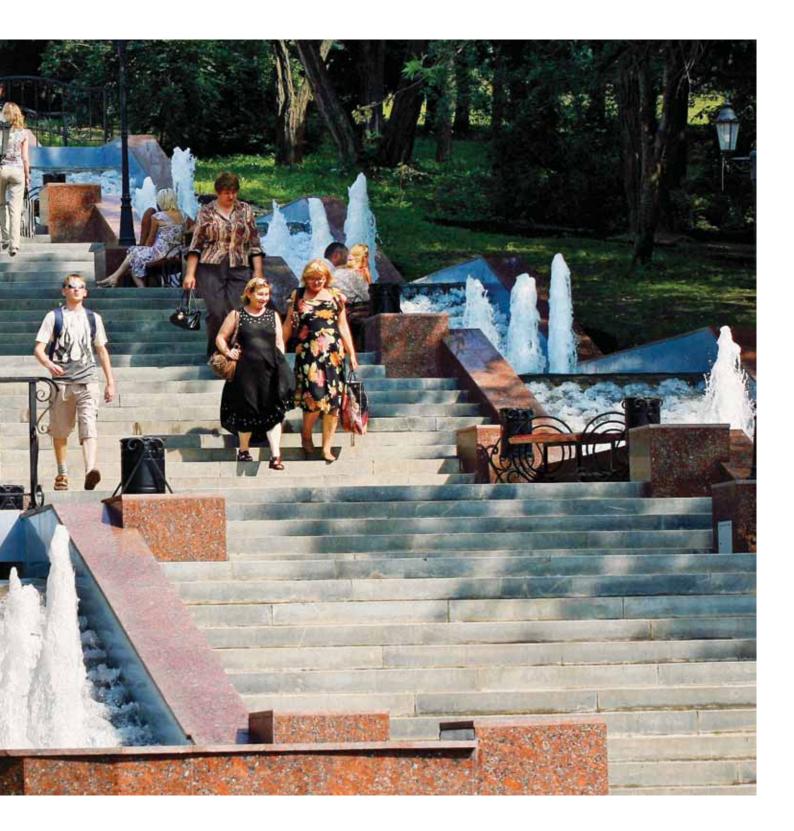










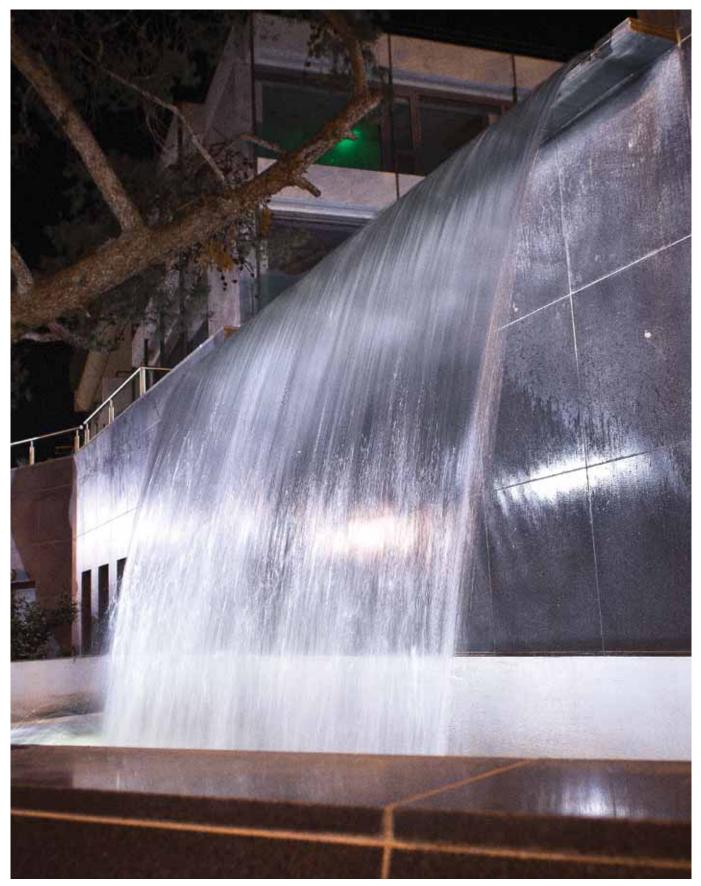












A perfect blend of nature and technology.

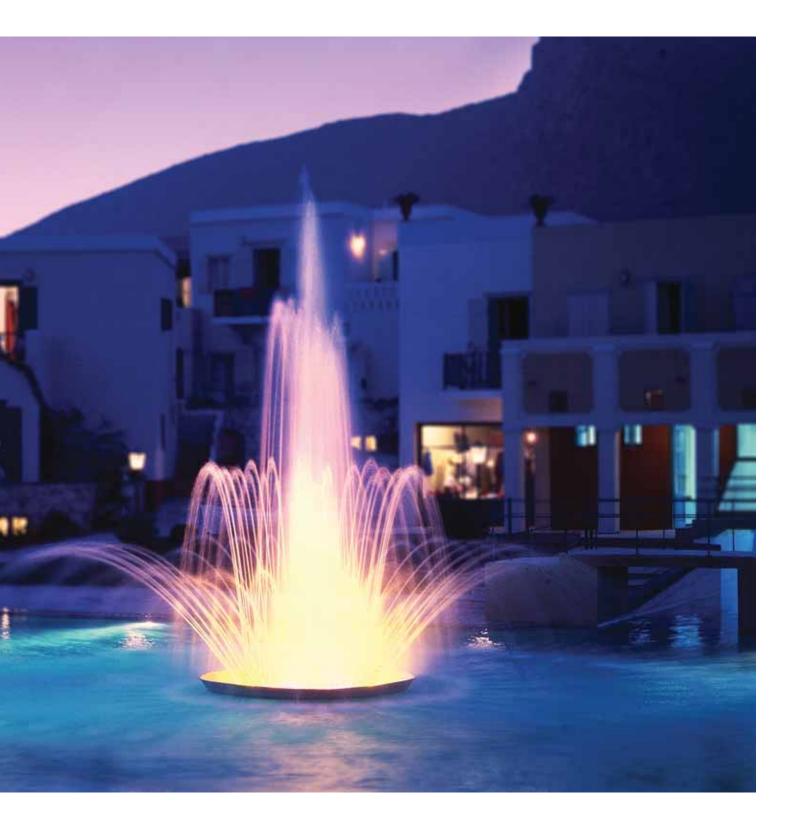






Floating Fountains Seriously Fun







A remarkable float with cutting edge fountain equipment attached and a great deal of water shapes to choose from.



The all-new Fontana floating fountains are designed to fulfill every requirement for floating fountains: From cool, ornamental residential-level ones to immense, spectacular commercial-level ones.

The floating device is redesigned based on the success of its predecessor but some key refinements have enhanced its functionality. The luminaires are better positioned for more uniform illumination, anchoring is easier than ever before, the brand new lineup of super-efficient, superreliable and super-safe pumps and the more rigid frame in combination with the increased buoyancy capabilities of the new float has allowed us to create a wider range of floating fountains.

Some water patterns are designed to be just beautiful, some to be tranquil, some to be massive and some are designed to be purposeful, like the aeration series.

Installation is also faster and easier than ever before, having only to plug 2 cables – all models are delivered with 20 meters (60 ft) waterproof cables.

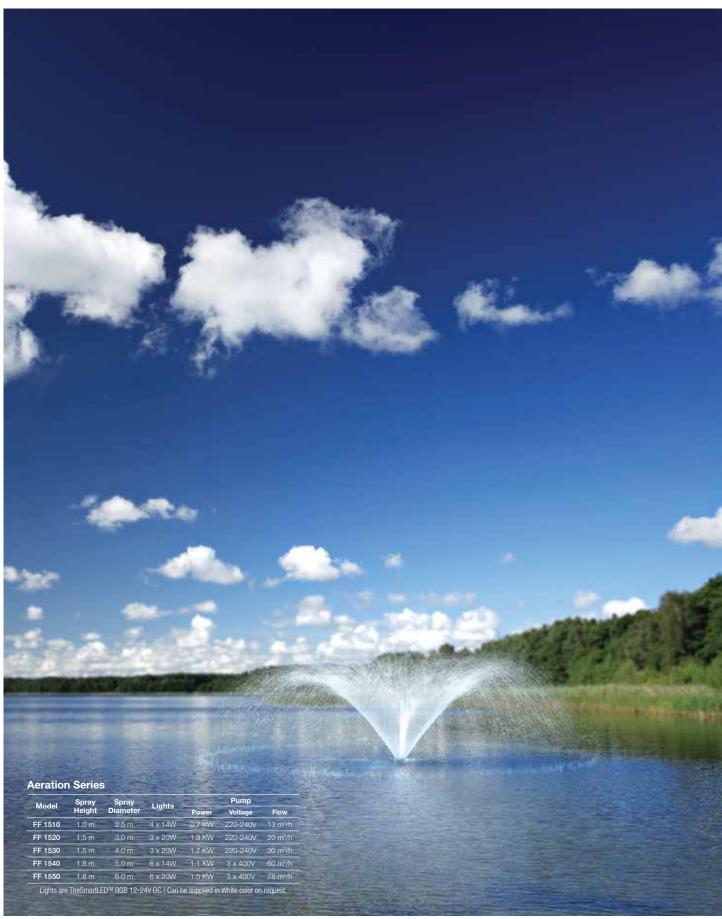
All parts are made to withstand extraordinary conditions, mainly manufactured by superior quality stainless steel and are exceptionally corrosion and impact resistant. Also you will find models with the brand new stainless steel unibody fountain heads - a series of precisely engineered and manufactured jets designed for excellent flow performance and extended life-cycle.

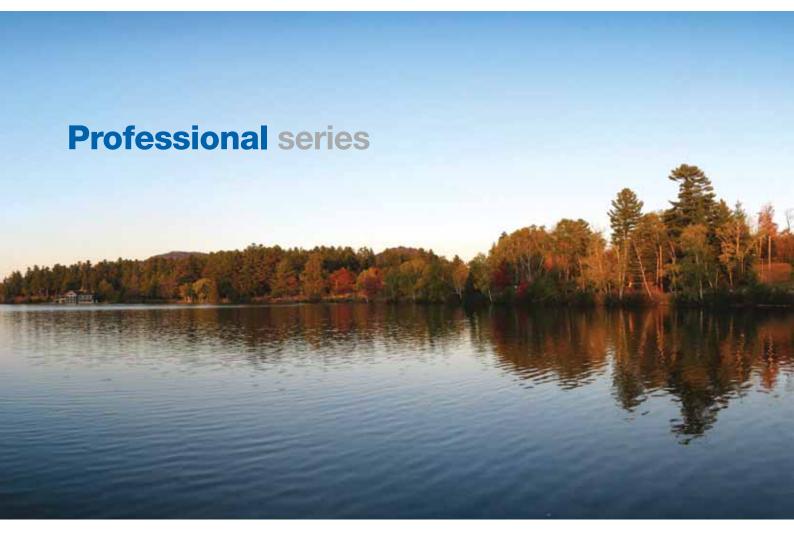
All models are now equipped with the advanced LED underwater luminaires of TheSmartLED[™] series for vibrant, efficient and absolutely safe illumination. By default, the luminaires are RGB with a pre-programmed colorful sequence of 16.7 million hues. On request, all models can be equipped with cool white, warm white, blue, green or red LEDs.

Note that Fontana floating fountains should not be installed in swimming pools or pools with living organisms inside.











Professional Series, is a range of heavy duty floating fountains made of superior quality materials, mainly stainless steel with exceptional impact and corrosion resistance. Pumps and lights are made of stainless steel and the float is made of HDPE (Hardened Polyethylene). All models are now equipped with the advanced LED underwater luminaires of TheSmartLED[™] series for vibrant, efficient and absolutely safe illumination. By default, the luminaires are RGB with a pre-programmed colorful sequence of 16.7 million hues. On request the system can be made for salt water applications with 316 stainless steel equipment.

- Professional floating system
- > Pumps made of stainless steel, protected in stainless steel filter
- > TheSmartLED[™] Underwater Luminaires made of stainless steel
- Standard models equipped with RGB lights with RGB sequence
- > Easy Installation & Anchoring
- > 20 meters (60ft) cables for Lights & 220V Pumps
- All models available for salt water with 316 stainless steel on request

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148 FONTAN





with Smooth Bore

Model	Height	Lights	Pump
FF 1110	5.0 m	2 x 20W	0.7 KW
FF 1120	8.0 m	4 x 20W	1.3 KW
FF 1130	10.0 m	6 x 20W	1.7 KW
FF 1140	15.0 m	8 x 40W	3.0 KW
FF 1150	20.0 m	12 x 40W	9.2 KW

M

with Lily

Model	Height	Lights	Pump
FF 1210	2.5 m	4 x 14W	0.3 KW
FF 1220	3.5 m	4 x 20W	0.7 KW
FF 1230	4.5 m	6 x 20W	1.3 KW
FF 1240	5.0 m	6 x 20W	1.7 KW
FF 1250	7.0 m	6 x 25W	2.2 KW
FF 1260	8.0 m	8 x 40W	4.0 KW
FF 1270	10.0 m	8 x 40W	5.5 KW



with Bouquet

Model	Height	Lights	Pump
FF 1310	3.0 m	4 x 14W	0.3 KW
FF 1320	4.0 m	4 x 20W	0.7 KW
FF 1330	5.0 m	6 x 20W	1.3 KW
FF 1340	5.5 m	6 x 20W	1.7 KW
FF 1350	8.0 m	6 x 25W	2.2 KW
FF 1360	10.0 m	8 x 40W	4.0 KW
FF 1370	12.0 m	8 x 40W	5.5 KW



with Fleur de Lis

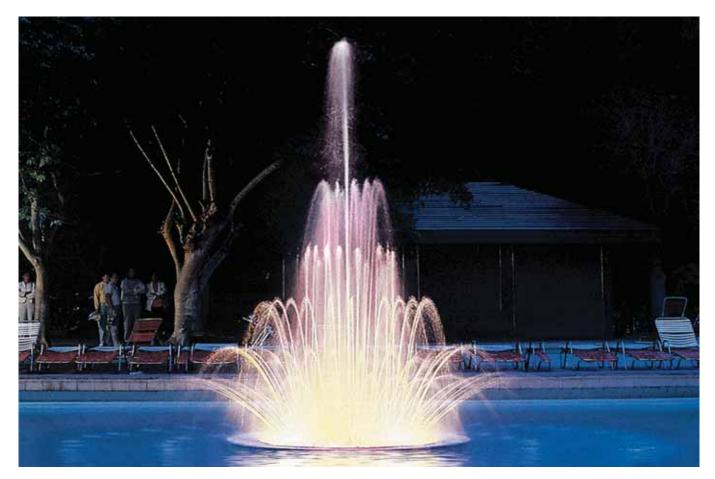
Model	Height	Lights	Pump
FF 1410	3.0 m	4 x 14W	0.3 KW
FF 1420	4.0 m	4 x 20W	0.7 KW
FF 1430	5.0 m	6 x 20W	1.3 KW
FF 1440	5.5 m	6 x 20W	1.7 KW
FF 1450	8.0 m	6 x 25W	2.2 KW
FF 1460	10.0 m	8 x 40W	4.0 KW
FF 1470	12.0 m	8 x 40W	5.5 KW

Pumps 0.3KW-1.7KW: 220-240V | Pumps 2.2KW-9.2KW: 3x400V | Lights are TheSmartLEDTM RGB 12-24V DC & perform a pre-programmed RGB sequence without an RGB controller | Lights can be supplied in White color on request.

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FONTANA





Professional series

with Spray Ring





with Smooth Bore + Spray Ring

Model		Max. Spread	Lights	Pump	
FF 2110	3.0 m	4.0 m	4 x 14W	0.3 KW	
FF 2120	3.5 m	5.0 m	4 x 20W	0.7 KW	
FF 2130	4.0 m	6.0 m	6 x 14W	1.3 KW	
FF 2140	4.5 m	8.0 m	6 x 20W	1.7 KW	
FF 2150	6.0 m	10.0 m	6 x 40W	4.0 KW	

with Lily + Spray Ring

Model	Max. Height	Max. Spread	Lights	Pump
FF 2210	2.2 m	4.0 m	4 x 14W	0.3 KW
FF 2220	3.0 m	5.0 m	4 x 20W	0.7 KW
FF 2230	3.5 m	6.0 m	6 x 14W	1.3 KW
FF 2240	4.0 m	8.0 m	6 x 20W	1.7 KW
FF 2250	5.0 m	12.0 m	6 x 20W	2.2 KW
FF 2260	8.0 m	14.0 m	6 x 40W	5.5 KW



with Bouquet + Spray Ring

Model		Max. Spread	Lights	Pump
FF 2310	2.2 m	4.0 m	4 x 14W	0.3 KV
FF 2320	3.0 m	5.0 m	4 x 20W	0.7 KW
FF 2330	3.5 m	6.0 m	6 x 14W	1.3 KW
FF 2340	4.0 m	8.0 m	6 x 20W	1.7 KW
FF 2350	5.0 m	12.0 m	6 x 20W	2.2 KW
FF 2360	8.0 m	14.0 m	6 x 40W	5.5 KW

with Fleur de Lis + Spray Ring

		Lights	Pump
2.2 m	4.0 m	4 x 14W	0.3 KW
3.0 m	5.0 m	4 x 20W	0.7 KW
3.5 m	6.0 m	6 x 14W	1.3 KW
4.0 m	8.0 m	6 x 20W	1.7 KW
5.0 m	12.0 m	6 x 20W	2.2 KW
8.0 m	14.0 m	6 x 40W	5.5 KW
	Peight 2.2 m 3.0 m 3.5 m 4.0 m 5.0 m	3.0 m 5.0 m 3.5 m 6.0 m 4.0 m 8.0 m 5.0 m 12.0 m	Height Spread Lights

Pumps 0.3KW-1.7KW: 220-240V | Pumps 2.2KW & 5.5KW: 3x400V | Lights are TheSmartLEDTM RGB 12-24V DC & perform a pre-programmed RGB sequence without an RGB controller | Lights can be supplied in White color on request.



Professional series with 100V Pumps

Professional Series with 100V pumps is a range of heavy duty floating fountains made of superior quality materials, mainly stainless steel with exceptional impact and corrosion resistance. These models are equipped with 100V pumps for safer operation (a transformer is required). Pumps and lights are made of stainless steel and all models sport the advanced LED underwater luminaires of TheSmartLEDTM series for vibrant, efficient and absolutely safe illumination. By default, the lights are RGB with a pre-programmed colorful sequence of 16.7 million hues. Lights can be supplied in white, blue, red, or green color on request.



with Smooth Bore FF 3110 Height: 3.0 m Pump: 480W 100V 50Hz 10m3/h Lights: 4 x 14W RGB 12-24V DC



with Lily FF 3210 Height: 3.5 m Pump: 480W 100V 50Hz 10m3/h Lights: 4 x 14W RGB 12-24V DC



with Bouquet FF 3310 Height: 3.5 m Pump: 480W 100V 50Hz 10m3/h Lights: 4 x 14W RGB 12-24V DC



FF 3410 with Fleur de Lis Height: 3.5 m Pump: 480W 100V 50Hz 10m3/h Lights: 4 x 14W RGB 12-24V DC



with Morning Glory FF 3510 Height: 0.5 m Pump: 480W 100V 50Hz 10m3/h Lights: 4 x 14W RGB 12-24V DC



Ginormous Single-Stream Floating Fountains

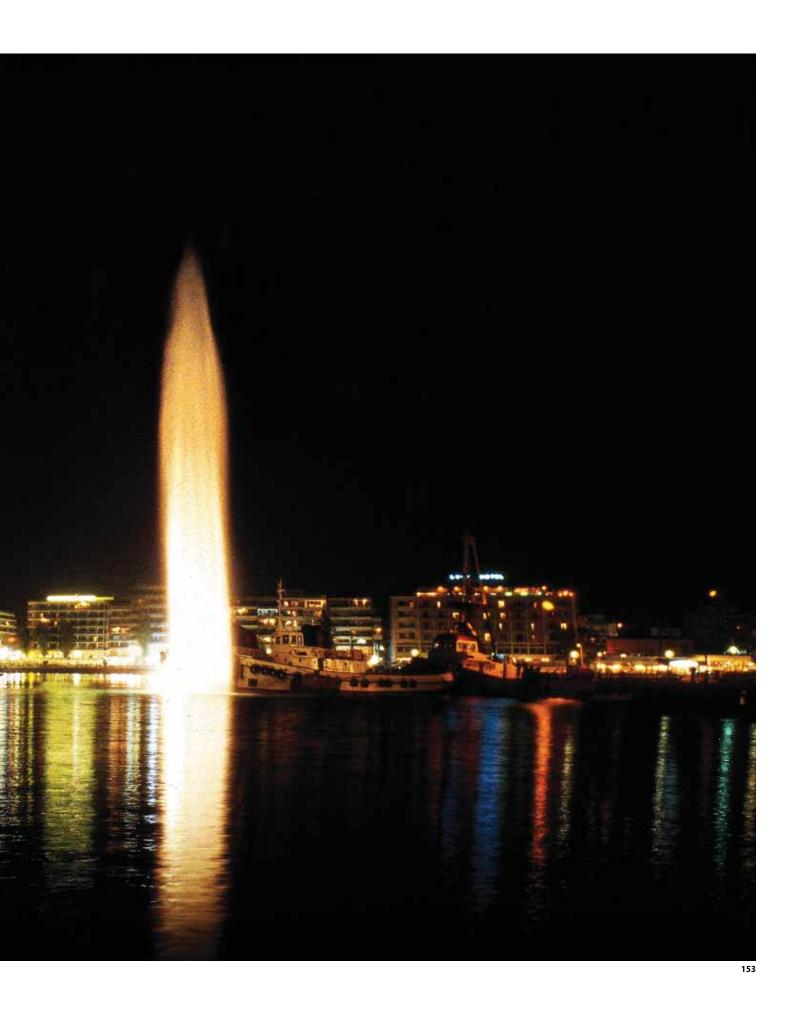
Fontana has accomplished over the years landmark projects with ginormous single-stream floating fountains reaching up to 50 meters height.

These fountains are typically equipped with Smooth Bore or Hollow Jets and stainless steel manufactured floats. These floats are a masterpiece of engineering and precision manufacture and can be placed both in fresh or salt water.

The perfect luminaires for such applications are the UL 800, UL 900 & UL1000s which offer tremendous amounts of light intensity, illuminating exceptionally the highest water features.

Contact us to discuss about your spectacular floating fountain.





A 2500" screen, 50 meters wide. The Fontana Floating WaterScreen.

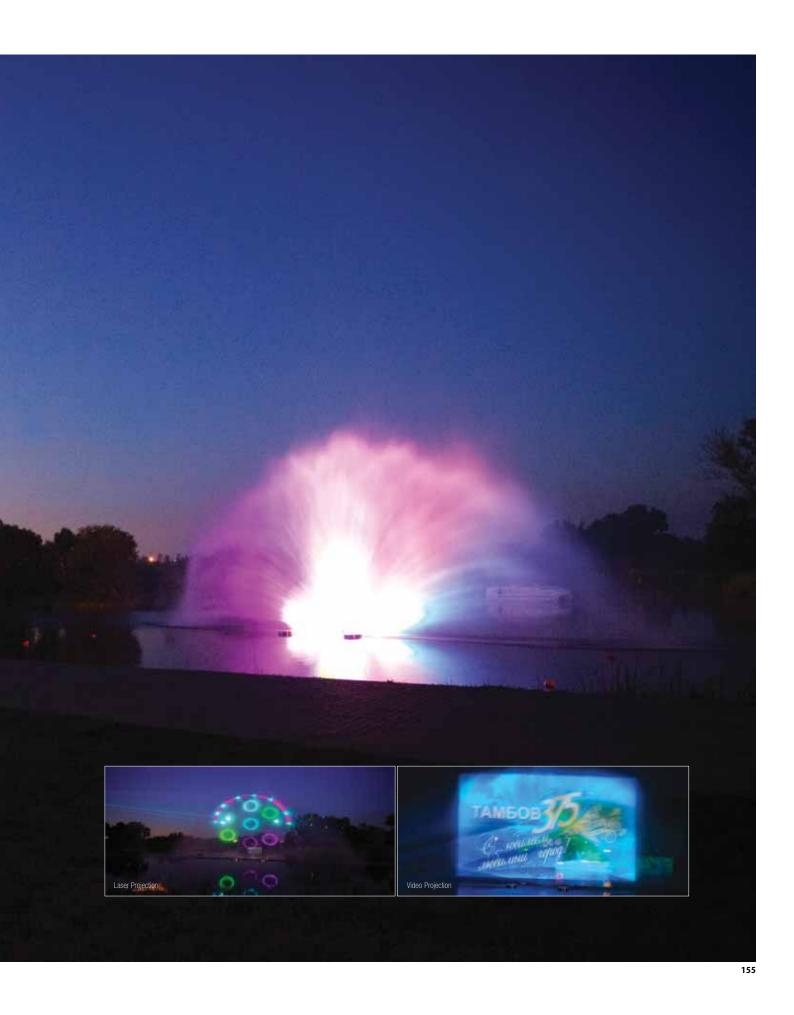
One of the most sophisticated floating systems in the world, with the most sophisticated nozzle attached to it, an array of TheSmartLED luminaires, a state-of-the-art control system and one of Grundfos' greatest pumps form a mind-blowing, 2500" water screen, floating 30 meters off the nearest shore.

The amazing 50-meter long Water Screen is ideal for Laser or Video Projection with incredible water particles density and therefore projection capabilities. In day-time, the Water Screen is a beautiful, massive water shape but at night even when simply illuminated by the vivid underwater luminaires, it is an awe-inspiring magical spectacle.

In low ambient-light conditions, the screen becomes completely transparent and only the spots pointed by the laser / projector are visible creating a holographic-like effect.

Contact us to discuss about your mind-blowing fixed or floating WaterScreen.







Safety series with 24V AC Pumps & Lights

Safety Series is made for small-medium scale applications with requirements for low voltage pumps & lights. All models are designed to be lightweight in order to be easily movable and also excellent for shallow pools with water depth as little as 30cm. The fountain system is made of superior quality materials with excellent impact and corrosion resistance and it is equipped with highly efficient & reliable plastic pumps made in Germany. The advanced LED underwater luminaires of TheSmartLED[™] series are made of stainless steel and offer vibrant, efficient and absolutely safe illumination. By default, the luminaires are RGB with a pre-programmed colorful sequence of 16.7 million hues. The fountain system is delivered pre-assembled with 20 meters of chlorine resistant, waterproof cable for fast and easy installation, having to plug only one cable. A 230V/24V AC safety transformer is also included.

- > Safety Voltage Pumps made in Germany
- Equipped with RGB TheSmartLED underwater luminaires
- > Lightweight fountain system to be easily moved
- > For shallow pools min. water depth: 30cm
- Fast & Easy Installation, only one cable
- Complete fountain system supplied with 20 meters cable & 230/24V AC Safety Transformer













with Smooth Bore	FF 4110	with Lily	FF 4210	with Bouquet	FF 4310	with Fleur de Lis	FF 4410	with Morning Glory	FF 4510
Height: 3.0 m	: 3.0 m Height: 2.5 m Height: 3.0 m Height: 3.0 m			Height: 0.5 m					
Pump: 140W 24V AC 7.	8m³/h	Pump: 140W 24V AC	7.8m³/h	Pump: 140W 24V A	C 7.8m³/h	Pump: 140W 24V AC	7.8m³/h	Pump: 140W 24V AC 7	'.8m³/h
Lights: 2 x 20W RGB 24V AC		Lights: 2 x 20W RGB	24V AC	Lights: 2 x 20W RGB 24V AC		Lights: 2 x 20W RGB 24V AC		Lights: 2 x 20W RGB 24V AC	

Lights perform a pre-programmed RGB sequence | Lights can be supplied in white color on request. | Note that these fountains shall not be installed in swimming pools or pools with living organisms inside.





Residential series

Residential Series is made for small-medium scale applications. All models are designed to be lightweight in order to be easily movable. The fountain system is made of superior quality materials with excellent impact and corrosion resistance and it is equipped with highly efficient & reliable plastic pumps. The advanced LED underwater luminaires of TheSmartLED[™] series are made of stainless steel and offer vibrant, efficient and absolutely safe illumination. By default, the luminaires are RGB with a pre-programmed colorful sequence of 16.7 million hues. The fountain system is delivered pre-assembled with 20 meters of chlorine resistant, waterproof cables for fast and easy installation, having to plug only two cables.

Residential series is a selection of the 5 most popular water shapes in 2 pump power variations.

- > Ideal for small-medium scale applications
- > Equipped with RGB TheSmartLED underwater luminaires
- > Lightweight fountain system to be easily moved
- > Fast & Easy Installation, only two cables to be plugged in
- > Complete fountain system supplied with 20 meters cables



220-240V Pumps | Lights are The SmartLEDTM RGB 12-24V DC & perform a pre-programmed RGB sequence without an RGB controller | Lights can be supplied in White color on request.



blueline series





a series of residential fountains, amazingly low-priced plug-n-play installation, gorgeous water shapes, 100% Fontana engineering



Blueline is a new series of amazingly low-priced, ready to install fountains. It is designed for residential applications with low budget yet all models preserve in full the superior manufacturing quality of all Fontana products.

There is a wide variety of the most popular fountain shapes powered by a new lineup of high quality and highly efficient european manufactured pumps.

All models are equipped with the new advanced LED underwater luminaires of TheSmartLED series for vibrant, efficient and absolutely safe illumination. By default, the luminaires are RGB with a preprogrammed colorful sequence of 16.7 million hues. On request, all models can be equipped with cool white, warm white, blue, green or red LEDs.

Installation is a snap, having only to place the equipment in the basin and plug the 2 cables.

- > Superior quality equipment in amazing, low price
- For residential & small-scale applications
- Wide range of the most popular fountain shapes
- Powerful, reliable & efficient pumps (made in EU)
- > Bright, Vivid and efficient illumination
- Plug-n-play installation
- For all types of pools

IN THE BOX:

- > The fountain system, pre-assembled
- The luminaires, pre-assembled, pre-wired with 10 meters of waterproof, chlorine-resistant cable
- The pump(s) with 10 meters of waterproof, chlorine-resistant cable
- Power supply for the luminaires

Optional:

RGB Controller with RF Remote control to select colors & RGB sequences, favorite colors, configure intensity & speed

FC 115 outwards spray

MODEL	Max. Spray Height	Max. Ring Diameter	Pool's Water Depth	Illumination thesmartled™	Pump
FC 115-10	2.0 m	0.75 m	35-45 cm	4 x 14W 12-24V DC	380 W
FC 115-20	3.0 m	0.75 m	35-45 cm	6 x 14W 12-24V DC	780 W







MODEL	Max. Spray Height	Pool's Water Depth	Illumination thesmortleo™	Pump
FC 136-10	2.0 m	35-45 cm	6 x 14W 12-24V DC	380 W
FC 136-20	2.5 m	35-45 cm	8 x 14W 12-24V DC	780 W



▲ FC 131 outwards spray

MODEL	Max. Spray Height	Max. Ring Diameter	Pool's Water Depth	Illumination thesmartled™	Pump
FC 131-10	2.0 m	0.75 m	35-45 cm	4 x 14W 12-24V DC	380 W
FC 131-20	2.5 m	0.75 m	35-45 cm	6 x 14W 12-24V DC	780 W



▲ FC 101 outwards spray

MODEL	Max. Spray Height	Max. Ring Diameter	Pool's Water Depth	Illumination thesmortleo™	Pump
FC 101-10	2.5 m	0.58 m	35-45 cm	4 x 14W 12-24V DC	380 W
FC 101-20	3.0 m	0.58 m	35-45 cm	6 x 14W 12-24V DC	780 W





▲ FC 116 outwards spray

MODEL	Max. Spray Height	Max. Ring Diameter	Pool's Water Depth	Illumination thesmartleo™	Pump
FC 116-10	2.5 m	0.75 m	35-45 cm	4 x 14W 12-24V DC	380 W
FC 116-20	3.0 m	0.75 m	35-45 cm	6 x 14W 12-24V DC	780 W



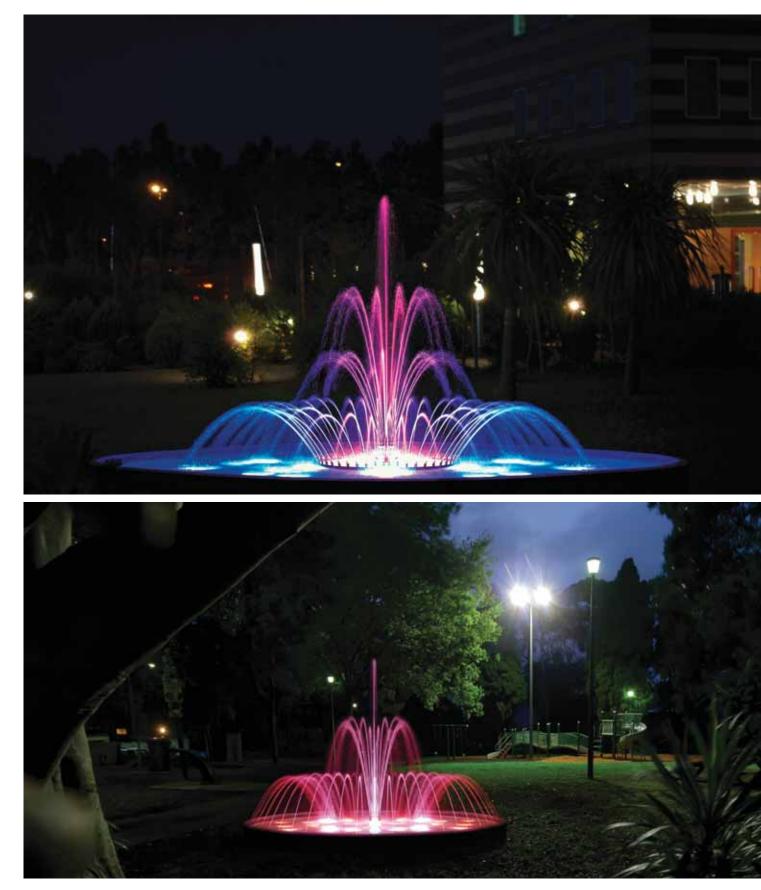
▲ FC 135 outwards spray

MODEL	Max. Spray Height	Max. Ring Diameter	Pool's Water Depth	Illumination thesmartleo™	Pump
FC 135-10	2.0 m	0.90 m	35-45 cm	6 x 14W 12-24V DC	380 W
FC 135-20	2.5 m	0.90 m	35-45 cm	8 x 14W 12-24V DC	780 W



▲ FD 115 inwards spray

MODEL	Max. Spray Height	Max. Ring Diameter	Pool's Water Depth	Illumination thesmartled™	Pump
FD 115-10	2.0 m	1.2 m	35-45 cm	4 x 14W 12-24V DC	380 W
FD 115-20	2.0 m	1.5 m	35-45 cm	4 x 14W 12-24V DC	380 W
FD 115-30	2.5 m	1.8 m	35-45 cm	6 x 14W 12-24V DC	780 W



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MODEL	Max. Spray Height	Max. Ring Diameter	Pool's Water Depth	Illumination thesmartleo™	Pump
FD 104-10	2.0 m	0.75 m	35-45 cm	4 x 14W 12-24V DC	380 W
FD 104-20	3.0 m	0.75 m	35-45 cm	6 x 14W 12-24V DC	780 W

FC 117 outwards spray

MODEL	Max. Spray Height	Max. Ring Diameter	Pool's Water Depth	Illumination thesmartleo™	Pump
FC 117-10	2.5 m	0.75 m	35-45 cm	4 x 14W 12-24V DC	380 W
FC 117-20	3.0 m	0.75 m	35-45 cm	6 x 14W 12-24V DC	780 W

FD 116 inwards spray

MODEL	Max. Spray Height	Max. Ring Diameter	Pool's Water Depth	Illumination thesmartleo™	Pump
FD 116-10	2.5 m	0.75 m	35-45 cm	4 x 14W 12-24V DC	380 W
FD 116-20	3.0 m	0.75 m	35-45 cm	6 x 14W 12-24V DC	780 W

Combine your fountain with a pre-fabricated pool

Made of high quality fiber glass, these pools ship pre-fabricated and they can be simply put in place. You can then place the fountain equipment inside, fill the pool with water and you have the fountain operating in a matter of minutes.



Pool Diameter ø1.43 m: FPE 140 Pool Diameter ø1.73 m: FPE 170 Pool Diameter ø2.13 m: FPE 210



Plug'n'Play Fountain Kits Professional fountains the easy way.

Design, Engineering, Functionality & Technology, all packed up in a Stainless Steel fountain kit. These fountain kits are designed in such a manner that they can incorporate most kinds of nozzles offering a wide range of water effects.

Made of high quality stainless steel, with super efficient & reliable pumps, super vivid TheSmartLED[™] luminaires and a series of handy accessories like flow valves and adjustable bases, these compact kits do a professional fountain's job the easy way.

The revolutionary design of these units allows for fast & easy installation with the entire installation process being to plug in the cable.



Safety series

with 24V pump & lights



We designed this fountain kit with safety as the primary factor, so it includes a 140W, powerful and reliable plastic pump which operates on 24V AC and offers max flow of 2.16 l/s. It can be combined with all Fontana nozzles and it is ideal for small-medium applications.

It also incorporates 2 UL600 RGB underwater luminaires made of stainless steel for vivid multi-color and efficient illumination.

> 24V AC Safety Pump

- > Superior quality equipment in a compact kit
- > For small-medium scale applications
- > Wide range of the most popular fountain shapes
- Powerful, reliable & efficient plastic pump made in Germany
- Bright, Vivid and efficient illumination with integrated RGB Sequence
- Plug-n-play, tool-free installation
- > For all types of pools

IN THE BOX:

- The fountain kit, pre-assembled, with the pump inside and 10 meters of waterproof, chlorine-resistant cable & the nozzle
- The luminaires, pre-assembled, pre-wired with 10 meters of waterproof, chlorine-resistant cable
- > Power supply for the luminaires

Optional:

RGB Controller with RF Remote control to select colors & RGB sequences, favorite colors and configure intensity & speed

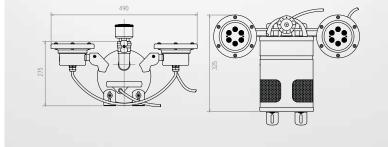


	Fleur de Lis Bouquet		Lily	Fizz	Water Bell	Smooth Bore
Part Nr.	FK 1110	FK 1120	FK 1130	FK 1140	FK 1150	FK 1160
Pump	140 W / 24V AC					
Max. Height	2.5 m	2.5 m	2.0 m	1.25 m	0.5 m	2.0 m
Illumination	2 x UL600 RGB 14W / 12-24V DC					



Residential series





The best solution for residential and small-scale applications. This fountain kit comes with two types of pumps: 250W & 380W offering max flow of 1.67 I/s and 2.78 I/s respectively. It is made of AISI 304 stainless steel (or 316 on request) and incorporates 2 UL600 RGB underwater luminaires for vivid multi-color and efficient illumination. There is a wide variety of recommended nozzles to choose from, but this kit can be combined with any Fontana nozzle.

- > Superior quality equipment in a compact kit
- > For residential & small-scale applications
- > Wide range of the most popular fountain shapes
- > Powerful, reliable & efficient plastic pumps (made in EU)
- Bright, Vivid and efficient illumination with integrated RGB Sequence
- Plug-n-play, tool-free installation
- > For all types of pools

IN THE BOX:

- The fountain kit, pre-assembled, with the pump inside and 10 meters of waterproof, chlorine-resistant cable & the nozzle
- The luminaires, pre-assembled, pre-wired with 10 meters of waterproof, chlorine-resistant cable
- > Power supply for the luminaires

Optional:

RGB Controller with RF Remote control to select colors & RGB sequences, favorite colors and configure intensity & speed



	Fleur de Lis Bouquet		Lily		Fizz		Water Bell		Smooth Bore			
Part Nr.	FK 2110	FK 2210	FK 2120	FK 2220	FK 2130	FK 2230	FK 2140	FK 2240	FK 2150	FK 2250	FK 2160	FK 2260
Pump	250 W	380W	250 W	380W	250 W	380W	250 W	380W	250 W	380W	250 W	380W
Max. Height	2.25 m	3.0 m	2.25 m	3.0 m	2.0 m	2.5 m	0.8 m	1.4 m	0.5 m	0.7 m	2.0 m	3.5 m
Illumination	2 x UL600 RGB 2 x UL600 RGE 14W / 12-24V DC 14W / 12-24V DC			2 x UL600 RGB 14W / 12-24V DC		2 x UL600 RGB 14W / 12-24V DC		2 x UL600 RGB 14W / 12-24V DC		2 x UL6 14W / 12	00 RGB 2-24V DC	



Professional series



This fountain kit comes with two types of pumps: 300W & 700W offering max flow of 2.36 l/s and 3.89 l/s respectively. It is ideal for medium scale applications with a wide variety of nozzles for every type of water effect. You can also choose another nozzle to combine it with this fountain kit.

It is made entirely of AISI 304 stainless steel (or 316 on request) and incorporates 3 UL650 RGB underwater luminaires for vivid multi-color and efficient illumination.

- > Superior quality equipment in a compact kit
- For medium scale applications
- > Wide range of the most popular fountain shapes
- > Powerful, reliable & efficient Stainless Steel pumps
- Bright, Vivid and efficient illumination with integrated RGB Sequence
- Plug-n-play, tool-free installation
- > For all types of pools

IN THE BOX:

- The fountain kit, pre-assembled, with the pump inside and 10 meters of waterproof, chlorine-resistant cable & the nozzle
- The luminaires, pre-assembled, pre-wired with 10 meters of waterproof, chlorine-resistant cable
- > Power supply for the luminaires

Optional:

RGB Controller with RF Remote control to select colors & RGB sequences, favorite colors and configure intensity & speed



	Fleur	de Lis	Bou	quet	Li	Lily F		zz	Morning Glory		Smooth Bore	
Part Nr.	FK 3110	FK 3210	FK 3120	FK 3220	FK 3130	FK 3230	FK 3140	FK 3240	FK 3150	FK 3250	FK 3160	FK 3260
Pump	300 W	700W	300 W	700W	300 W	700W	300 W	700W	300 W	700W	300 W	700W
Max. Height	2.5 m	3.0 m	2.5 m	3.0 m	2.0 m	2.5 m	1.25 m	2.6 m	0.6 m	0.85 m	3.0 m	4.0 m
Illumination		50 RGB 2-24V DC		50 RGB 2-24V DC		3 x UL650 RGB 20W / 12-24V DC		50 RGB 2-24V DC	3 x UL650 RGB 20W / 12-24V DC		3 x UL6 20W / 12	50 RGB 2-24V DC

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FONTANA 169

AN INCREDIBLE MIX OF DESIGN, ENGINEERING, FUNCTIONALITY & TECHNOLOGY

- Lights carefully positioned for uniform illumination
- > All Stainless Steel Construction
- > Compact & Heavy Duty Construction
- > Professional Fountain Components
- Powerful, reliable & efficient Stainless Steel pumps
- Bright, Vivid and efficient illumination with integrated RGB Sequence
- > Plug-n-play, tool-free installation
- > For all types of pools
- > Can be connected on BMS systems

Professional series



Designed for large scale applications with strict requirements about visibility, spray height and quality. This fountain kit is available with two types of pumps: 0.9kW & 1.7kW offering max flow of 5 l/s and 8.33 l/s respectively. You can choose any kind of nozzle to use with this fountain kit, the following ones though are highly recommended and cover all types of water effects. It is made entirely of AISI 304 stainless steel (or 316 on request) and incorporates 6 UL650 RGB underwater luminaires for vivid multi-color and efficient illumination.

- Superior quality equipment in a compact kit
- For large scale applications
- Wide range of the most popular fountain shapes
- > Powerful, reliable & efficient Stainless Steel pumps
- Bright, Vivid and efficient illumination with integrated RGB Sequence
- Plug-n-play, tool-free installation
- For all types of pools

IN THE BOX:

- The fountain kit, pre-assembled, with the pump inside and 10 meters of waterproof, chlorine-resistant cable & the nozzle
- The luminaires, pre-assembled, pre-wired with 10 meters of waterproof, chlorine-resistant cable
- > Power supply for the luminaires

Optional:

RGB Controller with RF Remote control to select colors & RGB sequences, favorite colors and configure intensity & speed



	Fleur de Lis Bouquet		Li	Lily		Fizz		Morning Glory		Smooth Bore		
Part Nr.	FK 4110	FK 4210	FK 4120	FK 4220	FK 4130	FK 4230	FK 4140	FK 4240	FK 4150	FK 4250	FK 4160	FK 4260
Pump	0.9 kW	1.7kW	0.9 kW	1.7kW	0.9 kW	1.7kW	0.9 kW	1.7kW	0.9 kW	1.7kW	0.9 kW	1.7kW
Max. Height	4.0 m	5.0 m	4.0 m	5.0 m	3.5 m	4.0 m	3.3 m	4.5 m	0.6 m	1.0 m	5.0 m	7.0 m
Illumination	6 x UL650 RGB 6 x UL650 RGB 20W / 12-24V DC 20W / 12-24V DC		6 x UL650 RGB 20W / 12-24V DC		6 x UL650 RGB 20W / 12-24V DC		6 x UL650 RGB 20W / 12-24V DC			50 RGB 2-24V DC		





Submersible Illumination

The world's most advanced Stainless Steel underwater spotlights.



Light has the ability to turn every fountain into something that you can only describe as magic.

Every night, thousands of Fontana fountains light up all over the world giving dreamy, majestic and elegant views to everyone passing by. In order to achieve these results, it is essential to use proper illumination equipment. With our extensive experience in construction of complete fountain systems, submersible lighting and the ability to provide innovative solutions, we can help you choose the right equipment that will match your requirements and desires, either that is elegance and classy looks or spectacular, colorful setups.

In the following pages you will find an extensive range of LED and conventional luminaires for fountains, ponds and pools, conforming to all safety standards & regulations but most primarily conforming to Fontana Quality, Safety & Design standards.





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Multi-Color Illumination 50% Art. 50% Technology. 100% Magic.

There is one common thing between this mall fountain and a huge dancing fountain - magic. It is a hard to describe essence when you stare at such a fountain that makes you gaze, it's like time has stopped for a moment. There is nothing like multi-color illuminating water features.

This type of illumination originates in artistic WaterShow fountains where spectacular lighting and advanced components are used to create breathtaking extravaganzas. This high end technology is now available in smaller-scale applications, and apart from certain occasions, there is literally no reason not to vividly, colorfully, brilliantly light a fountain with RGB or RGBW luminaires.





thesmortled

Pure German stainless steel outside. Pure American heart inside.

Probably the most advanced underwater luminaires ever created.

We proudly present you TheSmartLED[™] Submersible Lights range. Stunningly Powerful, Beautiful and truly Intelligent. A series of underwater luminaires designed inside and outside by Fontana Fountains to be used specifically in fountains.

The SmartLEDs are the first and only luminaires with specially designed, developed and precisely manufactured with state-of-the-art components, LED module to fulfill the strictest and highest possible standards of quality, safety and efficiency.

We spent 3 years developing a unique archetype of what we believe was missing in the fountain industry: A LED luminaire that is superb in terms of quality, unbelievably strong in terms of illumination intensity, absolutely safe in all kinds of wet environments and incorporating tomorrow's technology. Today.

We teamed up with some of the greatest companies and suppliers in the world like Cree, Inc. - USA and we took full advantage of all



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aspects of light emitting diodes and bypassed all their boundaries by creating a truly amazing luminaire.

Since day one of initial launch we continually improve these lights in all terms, offering now a wide range of lights boasting features like: 288 Lumens per LED, 16.7 million colors, MicroProcessors inside each light, the amazing led:bus protocol which requires only 3 wires to control RGB, 16-Step thermal protection, dmx connection, the truly handy feature of 10-30V DC operation which eliminates the voltage-drop hassle and all these at an unbelievable 96.7% cut-down in the electricity bill.

288 Lumens per LED 1427 Candelas per Watt Industry-unique values

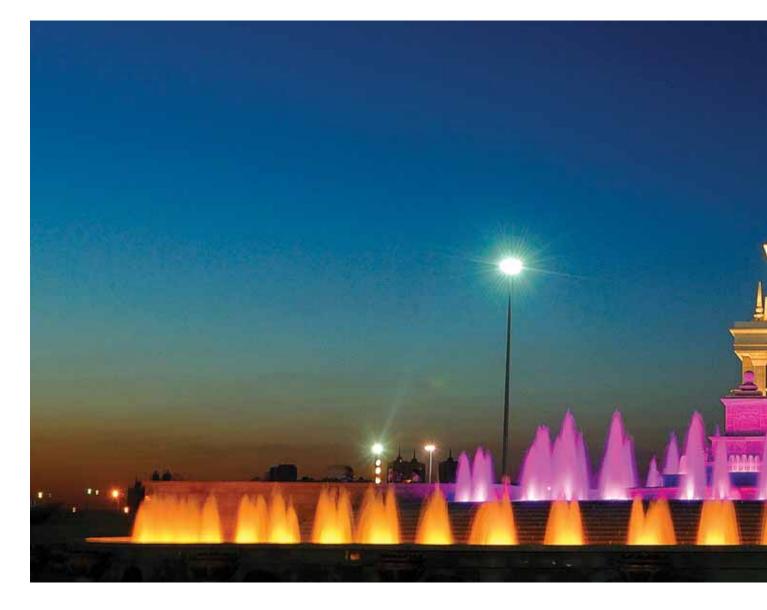
The heavy duty, yet beautiful, stainless steel body houses a sophisticated passive cooling system, a decorative stainless steel lenses mask, the LED lenses and the unique SmartLED module.

Each module incorporates microprocessors that constantly monitor the luminaire's status, temperature & communication with the controlling device. In case temperature rises, the microprocessor drops the current in 16 smooth steps, allowing for the luminaire to cool down, preventing overheating without switching it off and thus leaving the fountain always lit. The module is reverse-polarity protected and it also is able to be supplied with any DC voltage between 10-30 Volts, so you don't have to worry about cable thickness, distance, etc.

We actually invented a state-of-the-art data communication protocol named led:bus which essentially is the language all TheSmartLEDs speak and understand. It is a digital protocol transmitted through any kind of simple 3-wire cable at distances exceeding 200 meters from the nearest junction box or control device. Led:bus carries information about ID, color, intensity and status and supports up to 8 different colors produced simultaneously in the same 3-wire group.

Finally, TheSmartLEDs comply to the L70 spec. - simply put, after 50.000 hours of operation, the led initial flux will not degrade by more than 30% max.





Would you believe that by excessively illuminating your fountain would actually save you up to 96.7% on energy costs and minimize your CO₂ footprint? **We tried hard to achieve this.**

The difference in operating costs and environmental impact between conventional luminaires and the SmartLEDs is enormous. In a sample, really small-sized fountain you'd save about \in 9335 in 5 years just from the electricity bill and also save more than 230 trees at the same time.

We managed to create a whole series of LED luminaires that offer extremely intense illumination while saving up to 96.7% on energy consumption and compared to conventional bulbs, can live up to 50 times more than the previous technology, incorporating the most brilliant self-protection features and all these packed in stylish heavy-duty housings made of pure Stainless Steel.

It's all about sustainability.





	PAR 38 Luminaires	R111 Halogen Luminaires	COMPETITIVE RGB LED LUMINAIRES	Fontana TheSmartLED RGB
Watts	120 W	100 W	25 W	14 W
Light Intensity	7651 cd	8500 cd	6871 cd	7953 cd
Light Source Lifespan	2500 hours	2000 hours	up to 100000 hours	up to 100000 hours
Quantity of luminaires required to illuminate a sample fountain	42	34	14	12
Total Wattage of luminaires	5040 W	3400 W	350 W	168 W
Energy costs per year per luminaire	€ 45.99	€ 38.33	€ 9.58	€ 5.37
Total energy costs per year	€ 1931.58	€ 1303.22	€ 134.12	€ 64.44
Energy costs in 5 years	€ 9657.90	€ 6516.10	€ 670.60	€ 322.20
CO_2 emissions in 5 years	47.6 Tons	32.1 Tons	3.3 Tons	1.6 Tons
No. of Trees to offset in 5 years	238.1 Trees	160.7 Trees	16.5 Trees	7.9 Trees

The research has been made using RGB models for LED luminaires. In white color, the respective Fontana luminaire offers 31374 cd. Costs are based on average EU €/KWh.

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FONTANA

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Have you ever seen this before?

thesmartled[™] Technology

When was the last time you saw something for the first time?

TheSmartLEDs emit so bright and vivid illumination that give you amazing design options. In this example the tip of the central jet (20 meters high) is perfectly illuminated by the outer spray ring's underwater spotlights in lively yellow color. And this effect is not going to fade.

The LED modules comply to the L70 spec (read more on page 181) and the stainless steel housings are simply unaffected by anything - corrosion, impacts, tarnishing etc.

The photo is not manipulated in any way and depicts the remarkable capabilities of these lights.



It's not the Watts that count. It's the light intensity you get from every Watt that makes the difference.

Comparing just the Watts between different spotlights is only half the truth. The real difference lies in the amount of light you can get from every Watt. Essentially, the higher the ratio of cd/W, the more efficient the luminaire is.

TheSmartLEDs offer an impressive value of 568 cd/W in RGB, being almost 10 times more efficient than PAR38-equipped spotlights and two times more than competitive LED luminaires. The superiority of Fontana luminaires is crystal clear.

The white-color models of TheSmartLEDs offer a phenomenal value of 1427 cd/W which is simply incomparable to any other underwater luminaire in the industry.





f:bus led:bus

Two amazing digital communication protocols invented to give life to the most advanced underwater spotlights. And essentially, make your life easier.

f:bus

FCU, RGB controllers, DMX2led:bus converters, analog accessories, wind and water level automations – a whole line of electronic devices specially designed for fountains, connect to each other over simple ethernet cables. Each device recognizes all other devices in the network so you don't have to make any settings or tricky connections.

Essentially, f:bus is the language all Fontana devices understand. A language that you don't have to learn, everything just works by itself.

led:bus

All you have to do is connect the cables – virtually any type of cables – and the whole system works by itself. You don't have to worry about multiple color coded wires, length of wires, voltage drop, over-voltage, polarity, over-heating, internal or external interference; everything just works.

This unique protocol was invented and developed by Fontana Fountains to make LED luminaires as easy as possible.

led:bus vs PWM

The only common thing between led:bus and PWM is that they both control led luminaires but they do it in a so much different way. The core difference is that with led:bus everything works by itself digitally through a bulletproof layer, where with PWM you have to worry about a lot of things like interference, length of cables, current and amplifiers.

led:bus	PWM		led:bus	PWM
\checkmark	\checkmark	Distance-dependent Installation	Х	\checkmark
X	\checkmark	Temperature Control	\checkmark	X
\checkmark	Х	Safety Critical Physical Layer	\checkmark	X
\checkmark	Х	Microcontroller Based	\checkmark	X
\checkmark	Х	Standalone Operation with 2 wires	s 🗸	X
\checkmark	X	Less Peripherals Required	\checkmark	X
	led:bus √ √ √ √ √ √	√ √ X √ √ X √ X √ X	V V Distance-dependent Installation X V Temperature Control V X Safety Critical Physical Layer V X Microcontroller Based V X Standalone Operation with 2 wires	V V Distance-dependent Installation X X V Temperature Control V V X Safety Critical Physical Layer V V X Microcontroller Based V V X Standalone Operation with 2 wires V

Peace of mind

This is what you actually get when you choose thesmortleo™



MicroProcessors inside each luminaire

All luminaires incorporate cutting-edge microprocessors that constantly monitor the luminaire's status & temperature, and at the same time communicate with the controlling device receiving and interpreting data about ID, color and intensity. As complicated as it might seem, the whole network works by itself. You don't have to worry about voltage drop, over-voltage, polarity, over-heating, internal or external interference; everything just works. All you have to do is enjoy the limitless spectrum of 16.7 million colors.



Only 3 Wires required for RGB instead of 4

Since the control of the lights is carried out digitally through the led:bus protocol (instead of modulating voltage or pulse width per channel), all you need is a simple 3-wire cable (no shielding required). Two wires are used for current and the third one is used for sending and receiving led:bus data. Apart from reducing cable & installation costs, this feature allows you to have a phenomenal cable length of up to 200 meters between the controller and the lights.



16-Step Thermal Protection

Each luminaire features a unique 16-Step Thermal Protection system. In case the microprocessor inside the luminaire detects an increase in temperature, it will drop the current in 16 smooth steps, allowing for the luminaire to cool down, preventing overheating without switching it off, thus leaving the fountain always lit.



Reverse Polarity Protection

All models are equipped with Reverse Polarity Protection to ensure that no damage will occur to the luminaire if wires get mis-connected during installation.



Supply any voltage between 12V - 24V DC

We couldn't let voltage be a headache. All lights work under both 12V and 24V DC and anywhere in between. Plus, they provide a 10% margin for voltage drop and over-current.



Addressable Modules for DMX controlling

All models can be optionally ordered with addressable modules to be connected on DMX or any other address-based network. This feature provides greater design flexibility as each luminaire's color can be independently controlled. The accessory DMX2led:bus is required. The remote addresser is a handy device to set the address of each light remotely without having to open it.





- > 6W RGB & 12.5W White
- Incredible Light Intensity & Vivid Colors
- AISI 304 Stainless Steel Housing (available in 316)
- IP68 Protection Degree Class III
- > 16-Step Thermal Protection
- Reverse Polarity Protection
- Stainless Steel Mounting Bracket
- Stylish Design & Finishing
- > High corrosion and impact resistance
- Ships with 3 m waterproof cable
- Microprocessors on board
- > Flicker-free Operation
- Ideal for water features up to 2 m high

One of the smallest underwater luminaires, UL300 is designed for small-scale applications with great illumination requirements. With power consumption of only 6W in RGB and 12.5W in White color, it is one of the most low-cost solutions, yet it can illuminate 2-meter high fountains vividly, safely and reliably.

UL300 incorporates 3 High-Power LEDs made by Cree, Inc. (USA) and it is a Class III luminaire, CE certified, offering IP68 protection degree. Its housing is made of superior quality, highly durable & corrosion resistant AISI304 stainless steel (or 316 on request) with stylish finishing. It is available in RGB, Cool & Warm White, and standard models ship with 3 meters of waterproof chlorine-resistant cable.

The led:bus protocol permits easier and faster installation, requiring only 3-wire cables for RGB models, and the LED module incorporates a Microprocessor handling data such as ID, color, intensity, temperature & status with advanced safety features like 16-step thermal protection and reverse polarity protection.

With the standard lenses UL300 offers 3.929 candelas in white & 995 candelas in RGB, and with the optional spot lenses the light intensity goes up to 15.687cd & 3.976cd respectively.



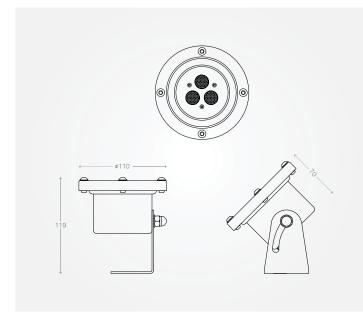
Amount of LEDs:	3 High Power LEDs (Made by Cree, Inc USA)		
Lens Details:	24° Standard 11° and 40° on request		
Module Type:	TheSmartLEDModule [™] - led:bus equipped		
Self-Protection:	16-Step Thermal Protection & Reverse Polarity		
Operating Temp.:	-5°C to 65°C 23°F to 150°F		
LEDbus Protocol:	Yes RGB models require only 3-wire cable to operate		
Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)		

ENERGY - ELECTRICAL

Power Consumption:	12.5W (White) - 6W (RGB)		
Voltage:	12-24V DC 10 - 30V Operating Range - without affecting intensity		
Cable:	3.0 Meters chlorine resistant HO7RN-F Standard 5M, 10M or custom length on request		
Power Supply:	Available (See page 232)		
RGB Controller:	Available (See page 227) Please note that this luminaire operates only with Fontana led:bus RGB Controllers. When in standalone operation, RGB spotlights create a continuously varying RGB sequence.		

SIZE

Height (excl. base):	70mm 2.7"
Height (incl. base):	119mm 4.7"
Body Width:	110mm 4.3"



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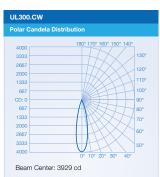
HOUSING DETAILS	
Material (Standard):	Stainless Steel AISI 304 1.4301
Material (Optional):	Stainless Steel AISI 316 1.4401
Finishing (Standard):	Shiny Polished
Second Cable Gland:	Available on request
Protection Glass:	Tempered Heat Resistant Safety Glass
Protection Degree:	IP68 Protection Certified Watertight up to 2m
Safety Class:	ш
Mounting:	Heavy duty, Floor-mounted Stainless Steel Bracket

HOW TO ORDER

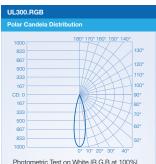
Color	Power	Voltage	Beam Angle	Lumens	Part Nr.
RGB	6W	12-24V DC	24°	219 lm	UL300.RGB
White 600	0K 12.5W	12-24V DC	24°	865 lm	UL300.CW
White 300	0K 12.5W	12-24V DC	24°	622 lm	UL300.WW

Available Options: To include one of the following options, add the appropriate suffix to the end of the Part Nr.

316 (1.4401) Stainless Steel Construction	.316
5 meters chlorine resistant cable HO7RN-F:	.5H
Free Standing Base	.FSB
Telescopic Base	.TSB
PWM module (only for RGB model)	.PWM
Dimmable (only for White models)	.DIM
Addressable module	.ADR
Wide Beam Lenses - 40°	.F
Spot Beam Lenses - 11°	.S
Rockguard	.AV



Illuminance Cone			
Distance Beam	Center Beam LUX		
0.5 m ø 0.2 m	15714.96 LUX		
1.0 m Ø 0.4 m	3928.74 LUX		
1.5 m ø 0.6 m	1746.11 LUX		
2.0 m Ø 0.8 m	982.19 LUX		
2.5 m ø 1.1 m	628.60 LUX		
3.0 m ø 1.3 m	436.53 LUX		



Photometric Test on White (R,G,B at 100%) Beam Center: 995 cd Multipliers: Red 0.25, Green 0.65, Blue 0.1

Illuminance Cone			
Distanc	e Beam		Center Beam LUX
0.5 m	ø 0.2 m		3978.72 LUX
1.0 m	ø 0.4 m		994.68 LUX
1.5 m	ø 0.6 m		442.08 LUX
2.0 m	ø 0.8 m		248.67 LUX
2.5 m	ø 1.1 m		159.15 LUX
3.0 m	ø 1.3 m		110.52 LUX







- > 14W RGB & 24W White
- > 12-24V DC (10-30V operating range)
- Incredible Light Intensity & Vivid Colors
- AISI 304 Stainless Steel Housing (available in 316)
- > IP68 Protection Degree Class III
- > 16-Step Thermal Protection
- Reverse Polarity Protection
- Stainless Steel Mounting Bracket
- Stylish Design & Finishing
- > High corrosion and impact resistance
- Ships with 3 m waterproof cable
- Microprocessors on board
- Flicker-free Operation
- Ideal for water features up to 5 m high

A submersible light compact enough to fit just about anywhere and powerful enough to vividly illuminate just about anything up to 5 meters. With power consumption of only 14W in RGB and 24W in White color, it becomes perfect value for money when it comes to efficient, "green" and yet powerful illumination.

UL600 incorporates 6 High-Power LEDs made by Cree, Inc. (USA) and it is a Class III luminaire, CE certified, offering IP68 protection degree. Its housing is made of superior quality, highly durable & corrosion resistant AISI304 stainless steel (or 316 on request) with stylish finishing. It is available in RGB, Cool & Warm White, and standard models ship with 3 meters of waterproof chlorine-resistant cable.

The led:bus protocol permits easier and faster installation, requiring only 3-wire cables for RGB models, and the LED module incorporates a Microprocessor handling data such as ID, color, intensity, temperature & status with advanced safety features like 16-step thermal protection and reverse polarity protection.

With the standard lenses UL600 offers 7.848 candelas in white & 1.989 candelas in RGB, and with the optional spot lenses the light intensity goes up to 31.374cd & 7.953cd respectively.

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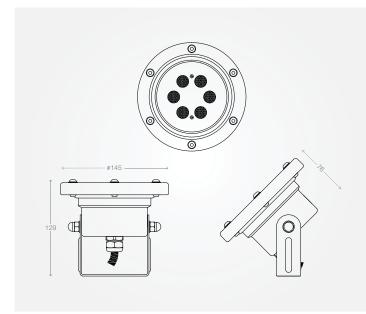
Amount of LEDs:	6 High Power LEDs (Made by Cree, Inc USA)		
Lens Details:	24° Standard 11° and 40° on request		
Module Type:	TheSmartLEDModule [™] - led:bus equipped		
Self-Protection:	16-Step Thermal Protection & Reverse Polarity		
Operating Temp.:	-5°C to 65°C 23°F to 150°F		
LEDbus Protocol:	Yes RGB models require only 3-wire cable to operate		
Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)		

ENERGY - ELECTRICAL

Power Consumption:	24W (White) - 14W (RGB)
Voltage:	12-24V DC 10 - 30V Operating Range - without affecting intensity
Cable:	3.0 Meters chlorine resistant HO7RN-F Standard 5M, 10M or custom length on request
Power Supply:	Available (See page 232)
RGB Controller:	Available (See page 227) Please note that this luminaire operates only with Fontana led:bus RGB Controllers. When in standalone operation, RGB spotlights create a continuously varying RGB sequence.

SIZE

Height (excl. base):	76mm 3.0"
Height (incl. base):	129mm 5.1"
Body Width:	145mm 5.7"



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Material (Standard):	Stainless Steel AISI 304 1.4301
Material (Optional):	Stainless Steel AISI 316 1.4401
Finishing (Standard):	Shiny Polished
Second Cable Gland:	Available on request
Protection Glass:	Tempered Heat Resistant Safety Glass
Protection Degree:	IP68 Protection Certified Watertight up to 2m
Safety Class:	ш
Mounting:	Heavy duty, Floor-mounted Stainless Steel Bracket

HOW TO ORDER

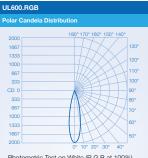
Color	Power	Voltage	Beam Angle	Lumens	Part Nr.
RGB	14W	12-24V DC	24°	438 lm	UL600.RGB
White 6000K	24W	12-24V DC	24°	1730 lm	UL600.CW
White 3000K	24W	12-24V DC	24°	1244 lm	UL600.WW

Available Options: To include one of the following options, add the appropriate suffix to the end of the Part Nr.

316 (1.4401) Stainless Steel Construction	.316
5 meters chlorine resistant cable HO7RN-F:	.5H
Free Standing Base	.FSB
Telescopic Base	.TSB
Second cable gland (if selected, luminaire ships unwired)	.SCG
PWM module (only for RGB model)	.PWM
Dimmable (only for White models)	.DIM
Wide Beam Lenses - 40°	.F
Spot Beam Lenses - 11°	.S
Rockguard	.AV



Illuminance Cone				
Distance Beam	Center Beam LUX			
0.7 m Ø 0.3 m	17658.90 LUX			
1.3 m Ø 0.6 m	4414.73 LUX			
2.0 m ø 0.8 m	1962.10 LUX			
2.7 m ø 1.1 m	1103.68 LUX			
3.3 m ø 1.4 m	706.36 LUX			
4.0 m ø 1.7 m	490.53 LUX			



Photometric Test on White (R,G,B at 100%) Beam Center: 1989 cd Multipliers: Red 0.25, Green 0.65, Blue 0.1

Illuminance Cone					
Distance Beam		Center Beam LUX			
0.7 m Ø 0.3 m		4476.04 LUX			
1.3 m ø 0.6 m		1119.01 LUX			
2.0 m ø 0.8 m		497.34 LUX			
2.7 m ø 1.1 m		279.75 LUX			
3.3 m ø 1.4 m		179.04 LUX			
4.0 m ø 1.7 m		124.33 LUX			

FONTANA

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- > 20W RGB & 36W White
- > 12-24V DC (10-30V operating range)
- Incredible Light Intensity & Vivid Colors
- AISI 304 Stainless Steel Housing (available in 316)
- IP68 Protection Degree Class III
- > 16-Step Thermal Protection
- Reverse Polarity Protection
- Stainless Steel Mounting Bracket
- Stylish Design & Finishing
- > High corrosion and impact resistance
- Ships with 3 m waterproof cable
- Microprocessor on board
- Flicker-free Operation
- Ideal for water features up to 8 m high

Small, compact and yet unbelievably powerful. UL650 is a reliable, heavy duty allpurpose submersible light, capable to illuminate vividly medium-large water features. With power consumption of only 20W in RGB and 36W in White color, it becomes perfect value for money when it comes to efficient, "green" and yet powerful illumination. UL650 is a luminaire made to perform exceptionally, trouble-free under the harshest conditions.

UL650 incorporates 9 High-Power LEDs made by Cree, Inc. (USA) and it is a Class III luminaire, CE certified, offering IP68 protection degree. Its housing is made of superior quality, highly durable & corrosion resistant AISI304 stainless steel (or 316 on request) with stylish finishing. It is available in RGB, Cool & Warm White, and standard models ship with 3 meters of waterproof chlorine-resistant cable.

The led:bus protocol permits easier and faster installation, requiring only 3-wire cables for RGB models, and the LED module incorporates a Microprocessor handling data such as ID, color, intensity, temperature & status with advanced safety features like 16-step thermal protection and reverse polarity protection.

With the standard lenses UL650 offers 11.786 candelas in white & 2.984 candelas in RGB, and with the optional spot lenses the light intensity goes up to 47.080cd & 11.928cd respectively.

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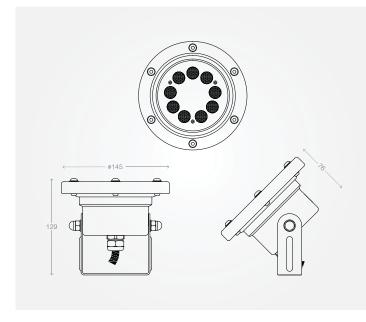
Amount of LEDs:	9 High Power LEDs (Made by Cree, Inc USA)			
Lens Details:	24° Standard 11° and 40° on request			
Module Type:	TheSmartLEDModule [™] - led:bus equipped			
Self-Protection:	16-Step Thermal Protection & Reverse Polarity			
Operating Temp.:	-5°C to 65°C 23°F to 150°F			
LEDbus Protocol:	Yes RGB models require only 3-wire cable to operate			
Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)			

ENERGY - ELECTRICAL

Power Consumption:	36W (White) - 20W (RGB)			
Voltage:	12-24V DC 10 - 30V Operating Range - without affecting intensity			
Cable:	3.0 Meters chlorine resistant HO7RN-F Standard 5M, 10M or custom length on request			
Power Supply:	Available (See page 232)			
RGB Controller:	Available (See page 227) Please note that this luminaire operates only with Fontana led:bus RGB Controllers. When in standalone operation, RGB spotlights create a continuously varying RGB sequence.			

SIZE

Height (excl. base):	76mm 3.0"
Height (incl. base):	129mm 5.1"
Body Width:	145mm 5.7"



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HOUSING DETAILS	
Material (Standard):	Stainless Steel AISI 304 1.4301
Material (Optional):	Stainless Steel AISI 316 1.4401
Finishing (Standard):	Shiny Polished
Second Cable Gland:	Available on request
Protection Glass:	Tempered Heat Resistant Safety Glass
Protection Degree:	IP68 Protection Certified Watertight up to 2m
Safety Class:	ш
Mounting:	Heavy duty, Floor-mounted Stainless Steel Bracket

HOW TO ORDER

Color	Power	Voltage	Beam Angle	Lumens	Part Nr.
RGB	20W	12-24V DC	24°	657 lm	UL650.RGB
White 6000K	36W	12-24V DC	24°	2595 lm	UL650.CW
White 3000K	36W	12-24V DC	24°	1866 lm	UL650.WW

Available Options: To include one of the following options, add the appropriate suffix to the end of the Part Nr.

316 (1.4401) Stainless Steel Construction	.316
5 meters chlorine resistant cable HO7RN-F:	.5H
Free Standing Base	.FSB
Telescopic Base	.TSB
Second cable gland (if selected, luminaire ships unwired)	.SCG
PWM module (only for RGB model)	.PWM
Dimmable (only for White models)	.DIM
Wide Beam Lenses - 40°	.F
Spot Beam Lenses - 11°	.s
Rockguard	.AV



ce Co llumi Distance Be 1.3 m

ø 2.8 m

ø 3.3 m

2.7 m

4.0 m

5.3 m

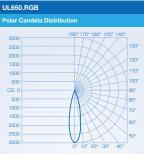
6.7 m

8.0 m

enter: 11786 d	0° 10° 20° 30° 40° xd	Photometric Beam Cente Multipliers: F
e Cone		Illuminance Co
Beam	Center Beam LUX	Distance B
ø 0.6 m	6629.76 LUX	1.3 m Ø 0
ø 1.1 m	1657.44 LUX	2.7 m ø 1
ø 1.6 m	736.64 LUX	4.0 m ø 1
ø 2.2 m	414.36 LUX	5.3 m ø 2

265.19 LUX

184.16 LUX



c Test on White (R,G,B at 100%) ter: 2984 cd Red 0.25, Green 0.65, Blue 0.1

Illuminance Cone			
Distance	Beam		Center Beam LUX
1.3 m	ø 0.6 m		1678.52 LUX
2.7 m	ø 1.1 m		419.63 LUX
4.0 m	ø 1.6 m		186.50 LUX
5.3 m	ø 2.2 m		104.91 LUX
6.7 m	ø 2.8 m		67.14 LUX
8.0 m	ø 3.3 m		46.63 LUX







- > 25W RGB & 48W White
- > 12-24V DC (10-30V operating range)
- Incredible Light Intensity & Vivid Colors
- AISI 304 Stainless Steel Housing (available in 316)
- > IP68 Protection Degree Class III
- > 16-Step Thermal Protection
- Reverse Polarity Protection
- Stainless Steel Mounting Bracket
- Stylish Design & Finishing
- > High corrosion and impact resistance
- Ships with 3 m waterproof cable
- Microprocessors on board
- Flicker-free Operation
- Ideal for water features up to 10 m high

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Versatile, with small form factor & exceptional illumination capabilities. UL700 is a heavy duty, all-purpose submersible light, capable to vividly illuminate medium-large water features. With power consumption of only 25W in RGB and 48W in White color, it becomes perfect value for money when it comes to efficient, "green" and yet powerful illumination.

UL700 incorporates 12 High-Power LEDs made by Cree, Inc. (USA) and it is a Class III luminaire, CE certified, offering IP68 protection degree. Its housing is made of superior quality, highly durable & corrosion resistant AISI304 stainless steel (or 316 on request) with stylish finishing. It is available in RGB, Cool & Warm White, and standard models ship with 3 meters of waterproof chlorine-resistant cable.

The led:bus protocol permits easier and faster installation, requiring only 3-wire cables for RGB models, and the LED module incorporates a Microprocessor handling data such as ID, color, intensity, temperature & status with advanced safety features like 16-step thermal protection and reverse polarity protection.

With the standard lenses UL700 offers 15.706 candelas in white & 3.978 candelas in RGB, and with the optional spot lenses the light intensity goes up to 62.785cd & 15.905cd respectively.

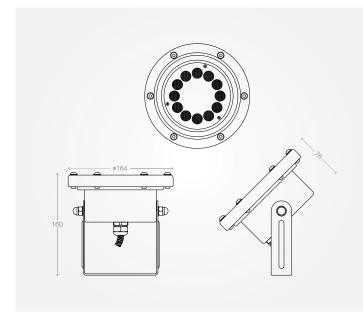
Amount of LEDs:	12 High Power LEDs (Made by Cree, Inc USA)	
Lens Details:	24° Standard 11° and 40° on request	
Module Type:	TheSmartLEDModule [™] - led:bus equipped	
Self-Protection:	16-Step Thermal Protection & Reverse Polarity	
Operating Temp.:	-5°C to 65°C 23°F to 150°F	
LEDbus Protocol:	Yes RGB models require only 3-wire cable to operate	
Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)	

ENERGY - ELECTRICAL

Power Consumption:	48W (White) - 25W (RGB)	
Voltage:	12-24V DC 10 - 30V Operating Range - without affecting intensity	
Cable:	3.0 Meters chlorine resistant HO7RN-F Standard 5M, 10M or custom length on request	
Power Supply:	Available (See page 232)	
RGB Controller:	Available (See page 227) Please note that this luminaire operates only with Fontana led:bus RGB Controllers. When in standalone operation, RGB spotlights create a continuously varying RGB sequence.	

SIZE

Height (excl. base):	78mm 3.1"
Height (incl. base):	160mm 6.3"
Body Width:	164mm 6.5"



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Submersible Illumination | the smartled $^{\rm m}$ | UL 700

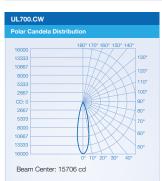
HOUSING DETAILS	
Material (Standard):	Stainless Steel AISI 304 1.4301
Material (Optional):	Stainless Steel AISI 316 1.4401
Finishing (Standard):	Shiny Polished
Second Cable Gland:	Available on request
Protection Glass:	Tempered Heat Resistant Safety Glass
Protection Degree:	IP68 Protection Certified Watertight up to 2m
Safety Class:	ш
Mounting:	Heavy duty, Floor-mounted Stainless Steel Bracket

HOW TO ORDER

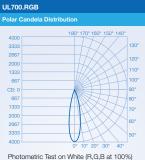
Color	Power	Voltage	Beam Angle	Lumens	Part Nr.
RGB	25W	12-24V DC	24°	876 lm	UL700.RGB
White 6000K	48W	12-24V DC	24°	3460 lm	UL700.CW
White 3000K	48W	12-24V DC	24°	2488 lm	UL700.WW

Available Options: To include one of the following options, add the appropriate suffix to the end of the Part Nr.

316 (1.4401) Stainless Steel Construction	.316
5 meters chlorine resistant cable HO7RN-F:	.5H
Free Standing Base	.FSB
Telescopic Base	.TSB
Second cable gland (if selected, luminaire ships unwired)	.SCG
PWM module (only for RGB model)	.PWM
Dimmable (only for White models)	.DIM
Wide Beam Lenses - 40°	.F
Spot Beam Lenses - 11°	.S
Rockguard	.AV



Illuminance Cone		
Center Beam LUX		
5654.12 LUX		
1413.53 LUX		
628.24 LUX		
353.38 LUX		
226.16 LUX		
157.06 LUX		



Photometric Test on White (R,G,B at 100%) Beam Center: 3978 cd Multipliers: Red 0.25, Green 0.65, Blue 0.1

Illuminanc	Illuminance Cone		
Distance	Beam		Center Beam LUX
1.7 m	ø 0.7 m		1432.33 LUX
3.3 m	ø 1.4 m		358.08 LUX
5.0 m	ø 2.1 m		159.15 LUX
6.7 m	ø 2.8 m		89.52 LUX
8.3 m	ø 3.5 m		57.29 LUX
10.0 m	ø 4.2 m		39.73 LUX







- **>** 40W RGB & 72W White
- > 12-24V DC (10-30V operating range)
- Incredible Light Intensity & Vivid Colors
- AISI 304 Stainless Steel Housing (available in 316)
- > IP68 Protection Degree Class III
- > 16-Step Thermal Protection
- Reverse Polarity Protection
- Stainless Steel Mounting Bracket
- Stylish Design & Finishing
- High corrosion and impact resistance
- Ships with 3 m waterproof cable
- Microprocessors on board
- > Flicker-free Operation
- Ideal for water features up to 15 m high

UL800 is a premium, heavy duty submersible light offering amazing illumination while keeping power consumption to the lowest possible level: only 40W in RGB and 72W in White color. It is designed for large fountain applications, where it can operate exceptionally, efficiently & most of all reliably under the harshest conditions.

UL800 incorporates 18 High-Power LEDs made by Cree, Inc. (USA) and it is a Class III luminaire, CE certified, offering IP68 protection degree. Its housing is made of superior quality, highly durable & corrosion resistant AISI304 stainless steel (or 316 on request) with stylish finishing. It is available in RGB, Cool & Warm White, and standard models ship with 3 meters of waterproof chlorine-resistant cable.

The led:bus protocol permits easier and faster installation, requiring only 3-wire cables for RGB models, and the LED module incorporates a Microprocessor handling data such as ID, color, intensity, temperature & status with advanced safety features like 16-step thermal protection and reverse polarity protection. For DMX-connection choose the .ADR option to give each luminaire a unique address.

With the standard lenses UL800 offers 23.559 candelas in white & 5.950 candelas in RGB, and with the optional spot lenses the light intensity goes up to 94.178cd & 23.839cd respectively.

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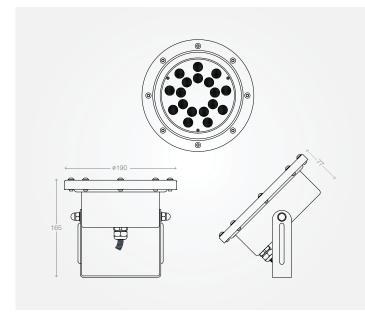
Amount of LEDs:	18 High Power LEDs (Made by Cree, Inc USA)	
Lens Details:	24° Standard 11° and 40° on request	
Module Type:	TheSmartLEDModule [™] - led:bus equipped	
Self-Protection:	16-Step Thermal Protection & Reverse Polarity	
Operating Temp.:	-5°C to 65°C 23°F to 150°F	
LEDbus Protocol:	Yes RGB models require only 3-wire cable to operate	
Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)	

ENERGY - ELECTRICAL

Power Consumption:	72W (White) - 40W (RGB)			
Voltage:	12-24V DC 10 - 30V Operating Range - without affecting intensity			
Cable:	3.0 Meters chlorine resistant HO7RN-F Standard 5M, 10M or custom length on request			
Power Supply:	Available (See page 232)			
RGB Controller:	Available (See page 227) Please note that this luminaire operates only with Fontana led:bus RGB Controllers. When in standalone operation, RGB spotlights create a continuously varying RGB sequence.			

SIZE

OILL	
Height (excl. base):	77mm 3.0"
Height (incl. base):	165mm 6.5"
Body Width:	190mm 7.5"



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HOUSING DETAILS			
Material (Standard):	Stainless Steel AISI 304 1.4301		
Material (Optional):	Stainless Steel AISI 316 1.4401		
Finishing (Standard):	Shiny Polished		
Second Cable Gland:	Available on request		
Protection Glass:	Tempered Heat Resistant Safety Glass		
Protection Degree:	IP68 Protection Certified Watertight up to 2m		
Safety Class:	III		
Mounting:	Heavy duty, Floor-mounted Stainless Steel Bracket		

HOW TO ORDER

Color	Power	Voltage	Beam Angle	Lumens	Part Nr.
RGB	40W	12-24V DC	24°	1314 lm	UL800.RGB
White 6000K	72W	12-24V DC	24°	5190 lm	UL800.CW
White 3000K	72W	12-24V DC	24°	3732 lm	UL800.WW

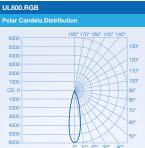
Available Options:

To include one of the following options, add the appropriate suffix to the end of the Part Nr.

316 (1.4401) Stainless Steel Construction	.316
5 meters chlorine resistant cable HO7RN-F:	.5H
Free Standing Base	.FSB
Telescopic Base	.TSB
Second cable gland (if selected, luminaire ships unwired)	.SCG
PWM module (only for RGB model)	.PWM
Dimmable (only for White models)	.DIM
Wide Beam Lenses - 40°	.F
Spot Beam Lenses - 11°	.S
Rockguard	.AV



Illuminance Cone						
Distance Beam			Center Beam LUX			
2.5 m	ø 1.1 m		3769.41 LUX			
5.0 m	ø 2.1 m		942.35 LUX			
7.5 m	ø 3.2 m		418.82 LUX			
10.0 m	ø 4.2 m		235.59 LUX			
12.5 m	ø 5.3 m		150.78 LUX			
15.0 m	ø 6.3 m		104.71 LUX			



Photometric Test on White (R,G,B at 100%) Beam Center: 5950 cd Multipliers: Red 0.25, Green 0.65, Blue 0.1

Illuminance Cone				
Distance	Beam		Center Beam LUX	
2.5 m	ø 1.1 m		951.98 LUX	
5.0 m	ø 2.1 m		238.00 LUX	
7.5 m	ø 3.2 m		105.78 LUX	
10.0 m	ø 4.2 m		59.50 LUX	
12.5 m	ø 5.3 m		38.08 LUX	
15.0 m	ø 6.3 m		26.44 LUX	







- > 57W RGB & 88W White
- > 12-24V DC (10-30V operating range)
- > Incredible Light Intensity & Vivid Colors
- AISI 304 Stainless Steel Housing (available in 316)
- > Accepts Direct DMX Connection
- IP68 Protection Degree Class III
- > 16-Step Thermal Protection
- Reverse Polarity Protection
- Stainless Steel Mounting Bracket
- Stylish Design & Finishing
- High corrosion and impact resistance
- Ships with 3 m waterproof cable
- Microprocessors on board
- Flicker-free Operation
- Ideal for water features up to 20 m high

198 FONTANA

UL900 is a powerful, heavy duty, all-purpose, show-oriented submersible light, created for demanding applications. It boasts stunning illumination and wide controlling capabilities. In the .DMX variation, the luminaire can accept direct DMX input for easier integration in shows. With power consumption of 57W in RGB and 88W in White color, it becomes perfect value for money when it comes to powerful, yet "green" illumination.

UL900 incorporates 24 High-Power LEDs made by Cree, Inc. (USA) which provide 31.412 candelas in white & 7.948 candelas in RGB with the standard lenses, and by choosing the optional spot lenses the light intensity goes up to phenomenal values of 125.570cd & 31.792cd respectively. It is a Class III luminaire, CE certified, offering IP68 protection degree. Its housing is made of superior quality, highly durable & corrosion resistant AISI304 stainless steel (or 316 on request) with stylish finishing. UL900 can be connected on any voltage between 10-30V DC without affecting intensity and it is available in RGB, Cool & Warm White. Standard models ship with 3 meters of waterproof chlorine-resistant cable.

The led:bus protocol permits easier and faster installation, requiring only 3-wire cables for RGB models, and the LED module incorporates a Microprocessor handling data such as ID, color, intensity, temperature & status with advanced safety features like 16-step thermal protection and reverse polarity protection. UL900 is made for trouble-free, longtime operation under the harshest conditions.

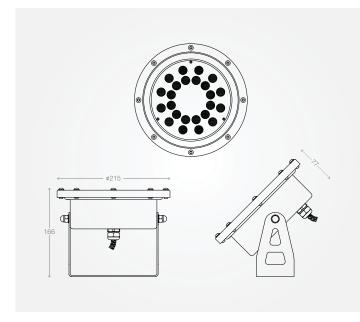
Amount of LEDs:	24 High Power LEDs (Made by Cree, Inc USA)			
Lens Details:	24° Standard 11° and 40° on request			
Module Type:	TheSmartLEDModule [™] - led:bus equipped			
Self-Protection:	16-Step Thermal Protection & Reverse Polarity			
Operating Temp.:	-5°C to 65°C 23°F to 150°F			
LEDbus Protocol:	Yes RGB models require only 3-wire cable to operate			
Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)			

ENERGY - ELECTRICAL

Power Consumption:	88W (White) - 57W (RGB)			
Voltage:	12-24V DC 10 - 30V Operating Range - without affecting intensity			
Cable:	3.0 Meters chlorine resistant HO7RN-F Standard 5M, 10M or custom length on request			
Power Supply:	Available (See page 232)			
RGB Controller:	Available (See page 227) Please note that this luminaire operates only with Fontana led:bus RGB Controllers. When in standalone operation, RGB spotlights create a continuously varying RGB sequence.			

SIZE

Height (excl. base):	77mm 3.0"
Height (incl. base):	166mm 6.5"
Body Width:	215mm 8.5"



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Submersible Illumination | the smartled $^{\rm m}$ | UL 900

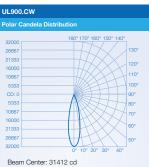
HOUSING DETAILS	
Material (Standard):	Stainless Steel AISI 304 1.4301
Material (Optional):	Stainless Steel AISI 316 1.4401
Finishing (Standard):	Shiny Polished
Second Cable Gland:	Available on request
Protection Glass:	Tempered Heat Resistant Safety Glass
Protection Degree:	IP68 Protection Certified Watertight up to 2m
Safety Class:	III
Mounting:	Heavy duty, Floor-mounted Stainless Steel Bracket

HOW TO ORDER

Color	Power	Voltage	Beam Angle	Lumens	Part Nr.
RGB	57W	12-24V DC	24°	1752 lm	UL900.RGB
White 6000K	88W	12-24V DC	24°	6920 lm	UL900.CW
White 3000K	88W	12-24V DC	24°	4976 lm	UL900.WW

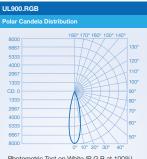
Available Options: To include one of the following options, add the appropriate suffix to the end of the Part Nr.

316 (1.4401) Stainless Steel Construction	.316
5 meters chlorine resistant cable HO7RN-F:	.5H
Free Standing Base	.FSB
Second cable gland (if selected, luminaire ships unwired)	.SCG
PWM module (only for RGB model)	.PWM
DMX module with DMX-IN and digital addresser on board	.DMX
Dimmable (only for White models)	.DIM
Wide Beam Lenses - 40°	.F
Spot Beam Lenses - 11°	.s
Rockguard	.AV
Telescopic Base	.TSB





Illuminance Cone		
Distance Beam	Center Beam LUX	
3.3 m ø 1.4 m	2827.06 LUX	
6.7 m ø 2.8 m	706.77 LUX	
10.0 m ø 4.2 m	314.12 LUX	
13.3 m ø 5.6 m	176.69 LUX	
16.7 m ø 7.0 m	113.08 LUX	
20.0 m ø 8.4 m	78.53 LUX	



Photometric Test on White (R,G,B at 100%) Beam Center: 7948 cd Multipliers: Red 0.25, Green 0.65, Blue 0.1

Illuminance Cone		
Distance Beam	Center Beam LUX	
3.3 m ø 1.4 m	715.35 LUX	
6.7 m ø 2.8 m	178.84 LUX	
10.0 m ø 4.2 m	79.48 LUX	
13.3 m ø 5.6 m	44.71 LUX	
16.7 m ø 7.0 m	28.61 LUX	
20.0 m ø 8.4 m	19.87 LUX	



199



- > 93W RGB & 180W White
- > 12-24V DC (10-30V operating range)
- Incredible Light Intensity & Vivid Colors
- > Ideal for water features of 100m high or more
- AISI 304 Stainless Steel Housing (available in 316)
- > IP68 Protection Degree Class III
- > 16-Step Thermal Protection
- Reverse Polarity Protection
- Stainless Steel Mounting Bracket
- Stylish Design & Finishing
- > High corrosion and impact resistance
- Ships with 3 m waterproof cable
- Microprocessors on board
- > Flicker-free Operation
- > Available with addressable module

200 FONTANA

UL1000 is a unique underwater luminaire, designed to illuminate vividly, efficiently and above all reliably the highest water features. Its rock-solid housing is made of superior quality, highly durable, corrosion & impact resistant AISI304 stainless steel (or 316 on request) and with power consumption of 93W in RGB and 180W in White color, it becomes perfect value for money when it comes to tremendously powerful, yet "green" illumination.

UL1000 incorporates 45 High-Power LEDs made by Cree, Inc. (USA) which provide 58.899 candelas in white & 14.916 candelas in RGB with the standard lenses, and by choosing the optional spot lenses the light intensity goes up to phenomenal values of 235.435cd & 59.626cd respectively. It is a Class III luminaire, CE certified, offering IP68 protection degree. It can be connected on any voltage between 10-30V DC without affecting intensity and it is available in RGB, Cool & Warm White. Standard models ship with 3 meters of waterproof chlorine-resistant cable.

The led:bus protocol permits easier and faster installation, requiring only 3-wire cables for RGB models, and the LED module incorporates a Microprocessor handling data such as ID, color, intensity, temperature & status with advanced safety features like 16-step thermal protection and reverse polarity protection.

Amount of LEDs:	45 High Power LEDs (Made by Cree, Inc USA)
Lens Details:	24° Standard 11° and 40° on request
Module Type:	TheSmartLEDModule [™] - led:bus equipped
Self-Protection:	16-Step Thermal Protection & Reverse Polarity
Operating Temp.:	-5°C to 65°C 23°F to 150°F
LEDbus Protocol:	Yes RGB models require only 3-wire cable to operate
Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)

ENERGY - ELECTRICAL

Power Consumption:	180W (White) - 93W (RGB)
Voltage:	12-24V DC 10 - 30V Operating Range - without affecting intensity
Cable:	3.0 Meters chlorine resistant HO7RN-F Standard 5M, 10M or custom length on request
Power Supply:	Available (See page 232)
RGB Controller:	Available (See page 227) Please note that this luminaire operates only with Fontana led:bus RGB Controllers. When in standalone operation, RGB spotlights create a continuously varying RGB sequence.

SIZE

Height (excl. base):	83mm 3.3"
Height (incl. base):	194mm 7.6"
Body Width:	250mm 9.8"



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Submersible Illumination | the smortled $^{\rm m}$ | UL 1000

HOUSING DETAILS	
Material (Standard):	Stainless Steel AISI 304 1.4301
Material (Optional):	Stainless Steel AISI 316 1.4401
Finishing (Standard):	Shiny Polished
Second Cable Gland:	Available on request
Protection Glass:	Tempered Heat Resistant Safety Glass
Protection Degree:	IP68 Protection Certified Watertight up to 2m
Safety Class:	III
Mounting:	Heavy duty, Floor-mounted Stainless Steel Bracket

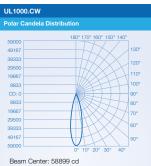
HOW TO ORDER

Color	Power	Voltage	Beam Angle	Lumens	Part Nr.
RGB	93W	12-24V DC	24°	3285 lm	UL1000.RGB
White 6000K	180W	12-24V DC	24°	12975 lm	UL1000.CW
White 3000K	180W	12-24V DC	24°	9330 lm	UL1000.WW

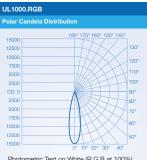
Available Options:

To include one of the following options, add the appropriate suffix to the end of the Part Nr.

316 (1.4401) Stainless Steel Construction	.316
5 meters chlorine resistant cable HO7RN-F:	.5H
Free Standing Base	.FSB
Telescopic Base	.TSB
Second cable gland (if selected, luminaire ships unwired)	.SCG
Addressable module	.ADR
Dimmable (only for White models)	.DIM
Wide Beam Lenses - 40°	.F
Spot Beam Lenses - 11°	.S
Rockguard	.AV



Illuminance Cone		
Distance Beam Center Beam LUX		
8.3 m ø 3.5 m	848.15 LUX	
16.7 m ø 7.0 m	212.04 LUX	
25.0 m ø 10.5 m	94.24 LUX	
33.3 m ø 14.0 m	53.01 LUX	
41.7 m ø 17.5 m	33.93 LUX	
50.0 m ø 21.0 m	23.56 LUX	



Photometric Test on White (R,G,B at 100%) Beam Center: 14916 cd Multipliers: Red 0.25, Green 0.65, Blue 0.1

Illuminance Cone		
Distance Beam	Center Beam LUX	
8.3 m ø 3.5 m	214.78 LUX	
16.7 m ø 7.0 m	53.70 LUX	
25.0 m ø 10.5 m	23.86 LUX	
33.3 m ø 14.0 m	13.42 LUX	
41.7 m ø 17.5 m	8.59 LUX	
50.0 m ø 21.0 m	5.97 LUX	



201



- With 1" Male thread for direct mounting of nozzles
- > 20W RGB & 36W White
- > 12-24V DC (10-30V operating range)
- > Incredible Light Intensity & Vivid Colors
- AISI 304 Stainless Steel Housing (available in 316)
- IP68 Protection Degree Class III
- > 16-Step Thermal Protection
- Reverse Polarity Protection
- Stainless Steel Mounting Brackets
- Stylish Design & Finishing
- High corrosion and impact resistance
- Ships with 3 m waterproof cable
- Microprocessor on board
- Ideal for water features up to 8 m high



The ultimate solution in terms of versatility and exceptional illumination. This luminaire sports 9 ultra-vivid High Power LEDs, incredible technologies and most of all it offers an 1" male threaded connection for a nozzle to be directly mounted. This way the light beam follows precisely the water stream at any angle. With power consumption of only 20W in RGB and 36W in White color, it becomes perfect value for money when it comes to efficient, "green" and yet powerful illumination.

ULR650 incorporates 9 High-Power LEDs made by Cree, Inc. (USA) and it is a Class III luminaire, CE certified, offering IP68 protection degree. Its housing is made of superior quality, highly durable & corrosion resistant AISI304 stainless steel (or 316 on request) with stylish finishing. It is available in RGB, Cool & Warm White, and standard models ship with 3 meters of waterproof chlorine-resistant cable.

The led:bus protocol permits easier and faster installation, requiring only 3-wire cables for RGB models, and the LED module incorporates a Microprocessor handling data such as ID, color, intensity, temperature & status with advanced safety features like 16-step thermal protection and reverse polarity protection.

With the standard lenses, ULR650 offers 11.786 candelas in white & 2.984 candelas in RGB, and with the optional spot lenses the light intensity goes up to 47.080cd & 11.928cd respectively.

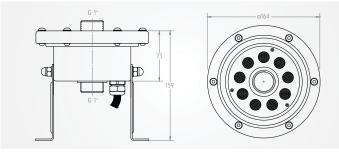
Amount of LEDs:	9 High Power LEDs (Made by Cree, Inc USA)
Lens Details:	24° Standard 11° and 40° on request
Module Type:	TheSmartLEDModule [™] - led:bus equipped
Self-Protection:	16-Step Thermal Protection & Reverse Polarity
Operating Temp.:	-5°C to 65°C 23°F to 150°F
LEDbus Protocol:	Yes RGB models require only 3-wire cable to operate
Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)

ENERGY - ELECTRICAL

Power Consumption:	36W (White) - 20W (RGB)			
Voltage:	12-24V DC 10 - 30V Operating Range - without affecting intensity			
Cable:	3.0 Meters chlorine resistant HO7RN-F Standard 5M, 10M or custom length on request			
Power Supply:	Available (See page 232)			
RGB Controller:	Available (See page 227) Please note that this luminaire operates only with Fontana led:bus RGB Controllers. When in standalone operation, RGB spotlights create a continuously varying RGB sequence.			

SIZE

Height (excl. base):	73mm 2.9"
Height (incl. base):	159mm 6.3"
Body Width:	164mm 6.5"





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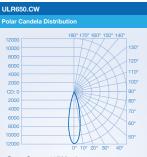
HOUSING DETAILS	
Material (Standard):	Stainless Steel AISI 304 1.4301
Material (Optional):	Stainless Steel AISI 316 1.4401
Finishing (Standard):	Shiny Polished
Second Cable Gland:	Available on request
Protection Glass:	Tempered Heat Resistant Safety Glass
Protection Degree:	IP68 Protection Certified Watertight up to 2m
Safety Class:	ш
Mounting:	Heavy duty, Floor-mounted Stainless Steel Brackets
Thread:	1" BSP/NPT Male

HOW TO ORDER

Color	Power	Voltage	Beam Angle	Lumens	Part Nr.
RGB	20W	12-24V DC	24°	657 lm	ULR650.RGB
White 6000K	36W	12-24V DC	24°	2595 lm	ULR650.CW
White 3000K	36W	12-24V DC	24°	1866 lm	ULR650.WW

Available Options: To include one of the following options, add the appropriate suffix to the end of the Part Nr.

316 (1.4401) Stainless Steel Construction	.316
5 meters chlorine resistant cable HO7RN-F:	.5H
Second cable gland (if selected, luminaire ships unwired)	.SCG
PWM module (only for RGB model)	.PWM
Dimmable (only for White models)	.DIM
Wide Beam Lenses - 40°	.F
Spot Beam Lenses - 11°	.s



Beam Center: 11786 cd

Illuminance Cone				
Distance Beam	Center Beam LUX			
1.3 m ø 0.6 m	6629.76 LUX			
2.7 m ø 1.1 m	1657.44 LUX			
4.0 m ø 1.6 m	736.64 LUX			
5.3 m ø 2.2 m	414.36 LUX			
6.7 m ø 2.8 m	265.19 LUX			
8.0 m ø 3.3 m	184.16 LUX			



Photometric Test on White (R,G,B at 100%) Beam Center: 2984 cd Multipliers: Red 0.25, Green 0.65, Blue 0.1

Illuminance Cone					
Distance Beam	Center Beam LUX				
1.3 m ø 0.6 m	1678.52 LUX				
2.7 m ø 1.1 m	419.63 LUX				
4.0 m ø 1.6 m	186.50 LUX				
5.3 m ø 2.2 m	104.91 LUX				
6.7 m ø 2.8 m	67.14 LUX				
8.0 m ø 3.3 m	46.63 LUX				





- With 1¼" Male thread for direct mounting of nozzles
- > 25W RGB & 48W White
- 12-24V DC (10-30V operating range)
- Incredible Light Intensity & Vivid Colors
- AISI 304 Stainless Steel Housing (available in 316)
- IP68 Protection Degree Class III
- 16-Step Thermal Protection
- Reverse Polarity Protection
- Stainless Steel Mounting Brackets
- Stylish Design & Finishing
- High corrosion and impact resistance
- Ships with 3 m waterproof cable
- Microprocessors on board
- Ideal for water features up to 10 m high



Ideal illumination and a highly versatile mounting method. This luminaire sports 12 ultravivid High Power LEDs, incredible technologies and most of all it offers a 1¼" male threaded connection for a nozzle to be directly mounted. This way the light beam follows precisely the water stream at any angle. With power consumption of only 25W in RGB and 48W in White color, it becomes perfect value for money when it comes to efficient, "green" and yet powerful illumination.

ULR700 incorporates 12 High-Power LEDs made by Cree, Inc. (USA) and it is a Class III luminaire, CE certified, offering IP68 protection degree. Its housing is made of superior quality, highly durable & corrosion resistant AISI304 stainless steel (or 316 on request) with stylish finishing. It is available in RGB, Cool & Warm White, and standard models ship with 3 meters of waterproof chlorine-resistant cable.

The led:bus protocol permits easier and faster installation, requiring only 3-wire cables for RGB models, and the LED module incorporates a Microprocessor handling data such as ID, color, intensity, temperature & status with advanced safety features like 16-step thermal protection and reverse polarity protection.

With the standard lenses, ULR700 offers 15.706 candelas in white & 3.978 candelas in RGB, and with the optional spot lenses the light intensity goes up to 62.785cd & 15.905cd respectively.

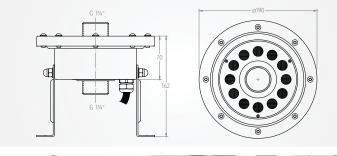
Amount of LEDs:	12 High Power LEDs (Made by Cree, Inc USA)
Lens Details:	24° Standard 11° and 40° on request
Module Type:	TheSmartLEDModule [™] - led:bus equipped
Self-Protection:	16-Step Thermal Protection & Reverse Polarity
Operating Temp.:	-5°C to 65°C 23°F to 150°F
LEDbus Protocol:	Yes RGB models require only 3-wire cable to operate
Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)

ENERGY - ELECTRICAL

Power Consumption:	48W (White) - 25W (RGB)
Voltage:	12-24V DC 10 - 30V Operating Range - without affecting intensity
Cable:	3.0 Meters chlorine resistant HO7RN-F Standard 5M, 10M or custom length on request
Power Supply:	Available (See page 232)
RGB Controller:	Available (See page 227) Please note that this luminaire operates only with Fontana led:bus RGB Controllers. When in standalone operation, RGB spotlights create a continuously varying RGB sequence.

SIZE

Height (excl. base):	70mm 2.8"
Height (incl. base):	162mm 6.4"
Body Width:	190mm 7.5"





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HOUSING DETAILS	
Material (Standard):	Stainless Steel AISI 304 1.4301
Material (Optional):	Stainless Steel AISI 316 1.4401
Finishing (Standard):	Shiny Polished
Second Cable Gland:	Available on request
Protection Glass:	Tempered Heat Resistant Safety Glass
Protection Degree:	IP68 Protection Certified Watertight up to 2m
Safety Class:	ш
Mounting:	Heavy duty, Floor-mounted Stainless Steel Brackets
Thread:	1¼" BSP/NPT Male

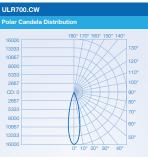
HOW TO ORDER

Color	Power	Voltage	Beam Angle	Lumens	Part Nr.
RGB	25W	12-24V DC	24°	876 lm	ULR700.RGB
White 6000K	48W	12-24V DC	24°	3460 lm	ULR700.CW
White 3000K	48W	12-24V DC	24°	2488 lm	ULR700.WW

Available Options:

To include one of the following options, add the appropriate suffix to the end of the Part Nr.

316 (1.4401) Stainless Steel Construction	.316
5 meters chlorine resistant cable HO7RN-F:	.5H
Second cable gland (if selected, luminaire ships unwired)	.SCG
PWM module (only for RGB model)	.PWM
Dimmable (only for White models)	.DIM
Wide Beam Lenses - 40°	.F
Spot Beam Lenses - 11°	.s



Beam Center: 15706 cd

Illuminance Cone			
Distance	e Beam		Center Beam LUX
1.7 m	ø 0.7 m		5654.12 LUX
3.3 m	ø 1.4 m		1413.53 LUX
5.0 m	ø 2.1 m		628.24 LUX
6.7 m	ø 2.8 m		353.38 LUX
8.3 m	ø 3.5 m		226.16 LUX
10.0 m	ø 4.2 m		157.06 LUX



Photometric Test on White (R,G,B at 100%) Beam Center: 3978 cd Multipliers: Red 0.25, Green 0.65, Blue 0.1

Illuminance Cone				
Distance Beam	Center Beam LUX			
1.7 m ø 0.7 m	1432.33 LUX			
3.3 m ø 1.4 m	358.08 LUX			
5.0 m ø 2.1 m	159.15 LUX			
6.7 m ø 2.8 m	89.52 LUX			
8.3 m ø 3.5 m	57.29 LUX			
10.0 m ø 4.2 m	39.73 LUX			



for excellence



AN ONE-OF-A-KIND RANGE OF ALL-PURPOSE LED LUMINAIRES. UNDERWATER. OUTDOORS. INDOORS. STAINLESS STEEL.

The XL Series is an unparalleled range of all-purpose luminaires. They incorporate the amazingly bright and vivid LEDs of TheSmartLED[™] family and feature all the renowned characteristics like self-protection, led:bus control, dimming and DMX connection.

These lights are designed to be placed virtually everywhere without any compromises. They can be installed underwater, outdoors or indoors. The amazing stainless steel unibody is precisely engineered and manufactured to dissipate heat effectively and with its modern, shiny look it fits anywhere.

In addition, all XL series models are available in 2 configurations - standing or flush mounted to cover all possible installation requirements.



Standing or Recessed. With the built-in variation available for all models, each luminaire can fit

in all kinds of applications.







Exceptional Heat Dissipation by the Stainless Steel Unibody

The precisely engineered and manufactured unibody is made from superior quality solid stainless steel (AISI 304 standard - 316 on request) with strategically located heatsinks which offer exceptional heat dissipation and prevent the luminaire from overheating even when it is placed in room-temperature locations.

210 FUNTANA

You can use the same luminaire in a multitude of applications

UNDERWATER

XL Series lights are IP68 rated and can be placed underwater to illuminate fountains, ponds & lakes in standing models or as built-in lights for pools and ponds. The intense illumination of these lights in combination with the unique lenses ensures vivid & uniform illumination in any application.





OUTDOORS

All models can be placed outdoors for ambient or accent illumination in cool or warm white or RGB colors. Standing models are ideal for spot illumination of walls, facades, plants etc while recessed models are excellent for walkways and architectural building illumination.

INDOORS

With the remarkably intense LEDs and the unique stainless steel unibody making sure that the luminaire won't heat up you can place XL luminaires in indoors applications like window lighting, shops, etc. Moreover, the wide range of control options offers full implementation flexibility.



FONTANA 211



- > Ultra-Compact Housing
- AISI 304 Stainless Steel Unibody
- > IP68 Protection Class
- > Available in 6000K & 3000K White (3.2W)
- Reverse Polarity Protection
- For underwater, indoor & outdoor use
- Stainless Steel Mounting Bracket
- Stylish Design & Finishing
- High corrosion and impact resistance
- Ships with 3 m waterproof cable
- Microprocessors on board
- Flicker-free Operation

XL mini looks and is amazingly small, the light it emits is surprisingly intense for its size and it features cutting-edge technologies. It is a heavy duty, literally allpurpose luminaire for underwater, outdoor & indoor use. With power consumption of only 3.2W in White color, and light intensity of 1562 candelas / 240 lm it is a unique solution for any small-scale application. It can be placed standing or niched as a recessed luminaire.

XL mini incorporates 1 High-Power LED made by Cree, Inc. (USA) and it is a Class III luminaire, CE certified, offering IP68 protection degree. Its precisely engineered solid unibody is made of superior quality, highly durable & corrosion resistant AISI304 stainless steel (or 316 on request) with stylish finishing. It is available in Cool & Warm White, and standard models ship with 3 meters of waterproof chlorine-resistant cable. It can be connected on any voltage between 10-30V DC, and features reverse polarity protection.

The stainless steel unibody offers exceptional heat dissipation making it totally safe for any-kind installation, and the very small size factor in combination with the stylish design make XL mini the most versatile and efficient luminaire of the entire range. Ideal for small fountains, gardens, ponds, pools, walkways and spot illumination.



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XL Mini			Illuminance Cone	XL Mini	Polar Candela Distribution
Distance	Beam	c	Center Beam LUX	1600	180° 170° 160° 150° 140°
0.8 m	ø 0.2 m		2250.30 LUX	1333	130°
1.7 m	ø 0.5 m		562.58 LUX	800 533	110°
2.5 m	ø 0.7 m		250.03 LUX	267 CD: 0	100° 90°
3.3 m	ø 1.0 m		140.64 LUX	267	80° 70°
4.2 m	ø 1.2 m		90.01 LUX	800 1067 1333	60°
5.0 m	ø 1.4 m		62.51 LUX	1600	0° 10° 20° 30° 40°

Beam Center: 1562.7 cd

SIZE

Height (excl. base):	60 mm 2.36 in
Height (incl. base):	65 mm - 100 mm 2.56 in - 3.93 in
Body Width:	40 mm 1.57 in

LED DETAILS

Amount of LEDs:	1 High Power LED (Made by Cree, Inc USA)	
Lens Details:	16° Standard 46° on request	
Module Type:	TheSmartLED2Module [™]	
Reverse Polarity Protection:	Yes, Standard	
Operating Temp.:	-5°C to 70°C 23°F to 158°F	
Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)	

HOUSING DETAILS (solid unibody construction)

Material (Standard):	Stainless Steel AISI 304 1.4301
Material (Optional):	Stainless Steel AISI 316 1.4401
Finishing:	Shiny, Machined Finishing
Protection Glass:	Heat Resistant Tempered Safety Glass
Protection Degree:	IP68 Protection Certified Watertight up to 2m
Safety Class:	111
Mounting:	Floor-mounted stainless steel bracket Free-standing base available on request

ENERGY

Energy Consumption	n: 3.2 Watts
Voltage:	12-24V DC without affecting intensity
Cable:	3.0 Meters waterproof, chlorine-resistant HO5RN-F
Power Supply:	Available (See page 232)

COLORS & LIGHT INTENSITY

O White 6000K:	240 lm	Part nr.: XLM.CW.G.S
O White 3000K:	198 lm	Part nr.: XLM.NW.G.S



XL mini Built In Variation

The built in variation of XL mini is ideal for flush, dry or underwater installation of the luminaire in pavements, walkways, building entrances, swimming pools and any application where a powerful, efficient and absolutely safe recessed luminaire is required. The impact resistant top cover is made of stainless steel as well as the solid unibody to be literally unaffected by corrosion, impacts and tarnishing.

○ White 6000K: XLM.CW.G.B | ○ White 3000K: XLM.NW.G.B

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- AISI 304 Stainless Steel Unibody
- > IP68 Protection Class
- > RGBW Color (8W)
- Smart Self-Protection (16-step) Thermal & Reverse Polarity)
- For underwater, indoor & outdoor use
- Stainless Steel Mounting Bracket
- Stylish Design & Finishing
- High corrosion and impact resistance
- Ships with 3 m waterproof cable
- Microprocessors on board
- Flicker-free Operation

The XL 150 boasts incomparable multicolor illumination capabilities as it features a singlechip / 4-core RGBW LED. This translates to a truly endless spectrum of colors to choose from. It is a heavy duty, highly efficient luminaire for underwater, outdoor & indoor use. With power consumption of only 8W, and light intensity of 710 candelas it is a unique solution for any small-medium scale application. It can be placed standing or niched as a recessed luminaire, and it features independent addressing for special illumination effects, multi-color sequences etc.

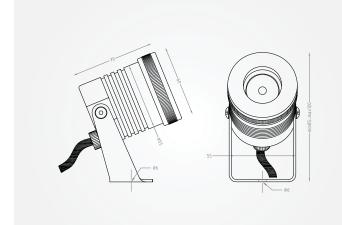
XL 150 incorporates 1 single-chip / 4-core High-Power LED made by Cree, Inc. (USA) and it is a Class III luminaire, CE certified, offering IP68 protection degree. Its precisely engineered solid unibody is made of superior quality, highly durable & corrosion resistant AISI304 stainless steel (or 316 on request) with stylish finishing. Standard model ships with 3 meters of waterproof chlorine-resistant cable.

The led:bus protocol permits easier and faster installation, requiring only 3-wire cables, and the LED module incorporates a Microprocessor handling data such as ID, color, intensity, temperature & status with advanced safety features like 16-step thermal protection and reverse polarity protection.

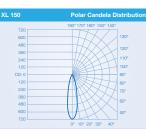
The stainless steel unibody offers exceptional heat dissipation making it totally safe for any-kind installation, and the very small size factor in combination with the stylish design make XL 150 the most compact multi-color luminaire of the entire range. Ideal for small fountains, waterfalls, gardens, ponds, pools, walkways and spot illumination.



Submersible Illumination | thesmartled™ | XL150



XL 150	Illuminance Cone
Distance Beam	Center Beam LUX
0.8 m Ø 0.4 m	1023.31 LUX
1.7 m Ø 0.8 m	255.83 LUX
2.5 m ø 1.1 m	113.70 LUX
3.3 m ø 1.5 m	63.96 LUX
4.2 m ø 1.9 m	40.93 LUX
5.0 m ø 2.3 m	28.43 LUX



Measured on Full White (R,G,B,W at 100%) Beam Center: 710.6 cd Multipliers: R: 0.13 | G: 0.32 | B: 0.07 | W:0.48

SIZE

Height (excl. base):	70 mm 2.75 in
Height (incl. base):	85 mm - 120 mm 3.34 in - 4.72 in
Body Width:	60 mm 2.36 in

LED DETAILS

Amount of LEDs:	1 High Power RGBW LED (Made by Cree, Inc USA)	
Lens Details:	26° Standard 48°x32° on request	
Module Type:	TheSmartLEDModule [™] - led:bus equipped	
Thermal Protection:	Yes, Standard 16-Step Thermal Protection	
Reverse Polarity Protection:	Yes, Standard	
Operating Temp.:	-5°C to 70°C 23°F to 158°F	
LEDbus Protocol:	Yes Requires only 3-wire cable to operate	
Addressable for DMX	Yes	
Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)	

ENERGY

Power Consumption:	8 Watts	
Voltage:	12-24V DC without affecting intensity	
Cable:	3.0 Meters waterproof, chlorine-resistant HO5RN-F	
Power Supply:	Available (See page 232)	
RGBW Controller:	Available (See page 227) Please note that this light operates only as standalone or through Fontana RGBW Controllers	

HOUSING DETAILS (solid unibody construction) Material (Standard): Stainless Steel AISI 304 1.4301

Material (Optional):	Stainless Steel AISI 316 1.4401	
Finishing:	Shiny, Machined Finishing	
Protection Glass:	Heat Resistant Tempered Safety Glass	
Protection Degree:	IP68 Protection Certified Watertight up to 2m	
Safety Class:	ш	
Mounting:	Floor-mounted stainless steel bracket Free-standing base available on request	

COLORS & LIGHT INTENSITY

RGBW:	238 lm	Part nr.: XL 150.RGBW.S

NOTE: When in standalone operation, this spotlight creates a continuously varying RGBW sequence.

XL 150 Built In Variation

The built in variation of XL150 is ideal for flush, dry or underwater installation of the luminaire in pavements, walkways, building entrances, swimming pools and any application where a powerful, efficient and absolutely safe recessed luminaire is required. The impact resistant top cover is made of stainless steel as well as the solid unibody to be literally unaffected by corrosion, impacts and tarnishing.

RGBW: XL 150.RGBW.B





XL 150 Vivid Red, Green, Blue and White Illumination by one remarkable single-chip / four-core LED.

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- AISI 304 Stainless Steel Unibody
- IP68 Protection Class
- Available in 6000K & 3000K White (12.5W) & RGB (6W)
- Smart Self-Protection (16-step Thermal, Over-Current & Reverse Polarity)
- For underwater, indoor & outdoor use
- Stainless Steel Mounting Bracket
- Stylish Design & Finishing
- > High corrosion and impact resistance
- Ships with 3 m waterproof cable
- Microprocessors on board
- Flicker-free Operation

XL 300 is the all-in-one luminaire of the XL series. It combines a spectrum of 16.7 million super-intense colors to choose from, cutting edge technology, self-protection features and a revolutionary solid stainless steel unibody. With power consumption of only 6W in RGB and 12.5W in white, and light intensity of 717 candelas and a whopping 4135 respectively, it is a unique solution for any medium-scale application. It can be placed standing or niched as a surface luminaire, and it's suitable for underwater, outdoor or indoor use.

XL 300 incorporates 3 High-Power LEDs made by Cree, Inc. (USA) with a soft-color-mixing lens, and it is a Class III luminaire, CE certified, offering IP68 protection degree. Its precisely engineered solid unibody is made of superior quality, highly durable, corrosion & impact resistant AISI304 stainless steel (or 316 on request) with stylish finishing. Standard model ships with 3 meters of waterproof chlorine-resistant cable.

The led:bus protocol permits easier and faster installation, requiring only 3-wire cables, and the LED module incorporates a Microprocessor handling data such as ID, color, intensity, temperature & status with advanced safety features like 16-step thermal protection and reverse polarity protection.

The stainless steel unibody offers exceptional heat dissipation making it totally safe for any-kind installation, and the small size factor in combination with the stylish design make XL 300 the most multipurpose, multi-color luminaire of the entire XL series range. Ideal for medium-scale fountains, waterfalls, gardens, ponds, pools, walkways and spot illumination.





Submersible Illumination | thesmortled™ | XL300

0 RGB Illuminance Cone XL 300 CW		Illuminance Cone	
Center Beam LUX	Distance Beam	Center Beam LUX	
1032.93 LUX	0.8 m ø 0.3 m	5954.36 LUX	
258.23 LUX	1.7 m Ø 0.6 m	1488.59 LUX	
114.77 LUX	2.5 m ø 0.9 m	661.60 LUX	
64.56 LUX	3.3 m ø 1.1 m	372.15 LUX	
41.32 LUX	4.2 m ø 1.4 m	238.17 LUX	
28.69 LUX	5.0 m ø 1.7 m	165.40 LUX	
	Center Beam LUX 1032.93 LUX 258.23 LUX 114.77 LUX 64.56 LUX 41.32 LUX	Center Beam LUX Distance Beam 1032.93 LUX 0.8 m o 0.3 m 258.23 LUX 1.7 m o 0.6 m 114.77 LUX 2.5 m o 0.9 m 64.56 LUX 3.3 m o 1.1 m 41.32 LUX 4.2 m o 1.4 m	

Beam Center: 4135 cd

Measured on White (R,G,B at 100%) Beam Center: 717.3 cd Multipliers: R: 0.23 | G: 0.62 | B: 0.15

SIZE

Height (excl. base):	72 mm 2.83 in
Height (incl. base):	95 mm - 145 mm 3.74 in - 5.7 in
Body Width:	64 mm 2.5 in

LED DETAILS

Amount of LEDs:	3 High Power LEDs (Made by Cree, Inc USA)	
Lens Details:	19° Standard 58° on request	
Module Type:	TheSmartLED2Module™	
Thermal Protection:	Yes, Standard	
Reverse Polarity Protection:	Yes, Standard	
Operating Temp.:	-5°C to 70°C 23°F to 158°F	
LEDbus Protocol:	Yes RGB models require only 3-wire cable to operate	
Lifespan:	100.000 hours max. (complies with L70-spec, in 50.000 hours led initial flux will not degrade by more than 30%)	

ENERGY

Energy Consumption:	White: 12.5 Watts RGB: 6 Watts	
Voltage:	12-24V DC without affecting intensity	
Cable:	3.0 Meters waterproof, chlorine-resistant HO5RN-F	
Power Supply:	Available (See page 232)	
RGB Controller:	Available (See page 227) Please note that this light operates only as standalone or through Fontana RGB Controllers	

HOUSING DETAILS (solid unibody construction)

Material (Standard):	Stainless Steel AISI 304 1.4301	
Material (Optional):	Stainless Steel AISI 316 1.4401	
Finishing:	Shiny, Machined Finishing	
Protection Glass:	Heat Resistant Tempered Safety Glass	
Protection Degree:	IP68 Protection Certified Watertight up to 2m	
Safety Class:	III	
Mounting:	Floor-mounted stainless steel bracket Free-standing base available on request	

COLORS & LIGHT INTENSITY

RGB:	219 lm	Part nr.: XL 300.RGB.E.S
O White 6000K:	865 lm	Part nr.: XL 300.CW.G.S
O White 3000K:	622 lm	Part nr.: XL 300.NW.G.S

NOTE: When in standalone operation, RGB spotlights create a continuously varying RGB sequence.

XL300 Built In Variation

The built in variation of XL300 is ideal for flush, dry or underwater installation of the luminaire in pavements, walkways, building entrances, swimming pools and any application where a powerful, efficient and absolutely safe recessed luminaire is required. The impact resistant top cover is made of stainless steel as well as the solid unibody to be literally unaffected by corrosion, impacts and tarnishing.

RGB: XL 300.RGB.E.B | O White 6000K: XL 300.CW.G.B | O White 3000K: XL 300.NW.G.B





XL 300 Super-Powerful, Super-Efficient.







- > AISI 304 Stainless Steel Unibody
- > IP68 Protection Class
- Available in 6000K & 3000K White (24W) & RGB (14W)
- Smart Self-Protection (16-step Thermal, Over-Current & Reverse Polarity)
- For underwater, indoor & outdoor use
- Stainless Steel Mounting Bracket
- Stylish Design & Finishing
- > High corrosion and impact resistance
- Ships with 3 m waterproof cable
- Microprocessors on board
- Flicker-free Operation

XL 600 is the most powerful luminaire of the XL series. It combines a spectrum of 16.7 million super-intense colors to choose from, cutting edge technology, self-protection features and a revolutionary solid stainless steel unibody. With power consumption of only 14W in RGB and 24W in white, and light intensity of 1.989cd and 7.848cd respectively, it is a unique solution for any medium-scale application. It can be placed standing or niched as a surface luminaire, and it's suitable for underwater, outdoor or indoor use.

XL 600 incorporates 6 High-Power LEDs made by Cree, Inc. (USA), it is a Class III luminaire, CE certified, offering IP68 protection degree. Its precisely engineered solid unibody is made of superior quality, highly durable, corrosion & impact resistant AISI 304 stainless steel (or 316 on request) with stylish finishing. Standard model ships with 3 meters of waterproof chlorine-resistant cable.

The led:bus protocol permits easier and faster installation, requiring only 3-wire cables, and the LED module incorporates a Microprocessor handling data such as ID, color, intensity, temperature & status with advanced safety features like 16-step thermal protection and reverse polarity protection.

The stainless steel unibody offers exceptional heat dissipation making it totally safe for anykind installation, and the small size factor in combination with the stylish design make XL 600 one of the most powerful, multipurpose, multi-color luminaires. Ideal for medium to large-scale fountains, waterfalls, gardens, ponds, pools, walkways, building facades and spot illumination.





XL 600 RGB Illuminance Cone		XL 600 Cool White	Illuminance Cone
Distance Beam	Center Beam LUX	Distance Beam	Center Beam LUX
0.7 m Ø 0.3 m	4476.04 LUX	0.7 m ø 0.3 m	17658.90 LUX
1.3 m Ø 0.6 m	1119.01 LUX	1.3 m Ø 0.6 m	4414.73 LUX
2.0 m ø 0.8 m	497.34 LUX	2.0 m ø 0.8 m	1962.10 LUX
2.7 m ø 1.1 m	279.75 LUX	2.7 m ø 1.1 m	1103.68 LUX
3.3 m ø 1.4 m	179.04 LUX	3.3 m ø 1.4 m	706.36 LUX
4.0 m ø 1.7 m	124.33 LUX	4.0 m ø 1.7 m	490.53 LUX

Beam Center: 7848 cd

Submersible Illumination | thesmortled™ | XL600

Photometric Test on White (R,G,B at 100%) Beam Center: 1989 cd Multipliers: Red 0.25, Green 0.65, Blue 0.1

SIZE

Body Width:	90 mm 3.54 in
Height (incl. base):	105 mm - 145 mm 4.13 in - 5.7 in
Height (excl. base):	77 mm 3.03 in

LED DETAILS

Amount of LEDs:	6 High Power LEDs (Made by Cree, Inc USA)		
Lens Details:	24° Standard 11° and 40° on request		
Module Type:	TheSmartLED2Module™		
Thermal Protection:	Yes, Standard		
Reverse Polarity Protection:	Yes, Standard		
Operating Temp.:	-5°C to 70°C 23°F to 158°F		
LEDbus Protocol:	Yes RGB models require only 3-wire cable to operate		
Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)		

HOUSING DETAILS (solid unibody construction)

Material (Standard):	Stainless Steel AISI 304 1.4301		
Material (Optional):	Stainless Steel AISI 316 1.4401		
Finishing:	Shiny, Machined Finishing		
Protection Glass:	Heat Resistant Tempered Safety Glass		
Protection Degree:	IP68 Protection Certified Watertight up to 2m		
Safety Class:	III		
Mounting:	Floor-mounted stainless steel bracket Free-standing base available on request		

ENERGY

Energy Consumption:	White: 24 Watts RGB: 14 Watts	
Voltage:	12-24V DC without affecting intensity	
Cable: 3.0 Meters waterproof, chlorine-resistant H		
Power Supply:	Available (See page 232)	
RGB Controller:	Available (See page 227) Please note that this light operates only as standalone or through Fontana RGB Controllers	

COLORS & LIGHT INTENSITY

RGB:	438 lm	Part nr.: XL 600.RGB.E.S
O White 6000K:	1730 lm	Part nr.: XL 600.CW.G.S
O White 3000K:	1244 lm	Part nr.: XL 600.NW.G.S

NOTE: When in standalone operation, RGB spotlights create a continuously varying RGB sequence.

XL600 Built In Variation

The built in variation of XL600 is ideal for flush, dry or underwater installation of the luminaire in pavements, walkways, building entrances, swimming pools and any application where a powerful, efficient and absolutely safe recessed luminaire is required. The impact resistant top cover is made of stainless steel as well as the solid unibody to be literally unaffected by corrosion, impacts and tarnishing.

RGB: XL 600.RGB.E.B | O White 6000K: XL 600.CW.G.B | O White 3000K: XL 600.NW.G.B







Control Devices & Accessories

When you discover how simple it is to create a led:bus illumination system, you will be surprised by how everything just works. Effortlessly.

Life is full of colors, **Why not your fountain?**

With RGB luminaires capable to create 16.7 million hues and powerful, easy to use controllers, you have an endless color spectrum to choose from.





RGB Controller

Choose between RGB sequences or create your own favorite colors to match your mood. Every time.

With the Fontana RGB Controller you can easily create and save your favorite colors from an endless spectrum of 16.7 million hues or you can choose any of the pre-programmed RGB light sequences for a more lively effect. You can configure intensity, color & speed to match your desires and now you can do this remotely with the handy RF remote control. There is also a 6A relay inside the unit for extensive automation flexibility. The device is incredibly easy to install, setup and use and matches the high quality standards of TheSmartLED family.

With 3 led:bus outputs, it can control up to 24 RGB luminaires (for more lights a led:bus amplifier is required), over simple 3-wire cable at a distance of up to 200 meters from the controller.

RGB CONTROLLER RGBC 1000

Output:	3 led:bus outputs - up to 24 RGB fixtures endlessly expandable by using led:bus Amplifier		
Functions:	Configure Intensity, Standard & Favorite Colors, RGB Color Sequences, Speed		
Relay:	1 6A relay NC or NO / AC1 230V		
Remote Control:	RF with external antenna input for broader reception		
Display:	LED 3-Digit		
Material:	ABS		
Dimensions:	70 x 90 x 58 (W x H x D in mm)		
Mounting:	DIN-Rail Mountable		
Device Color:	White		
Power:	1.5W 12-24V DC		

- > Easily set intensity, color & speed
- > Pre-Programmed Color Sequences
- > Pre-Defined Standard Colors
- User-Defined Favorite Colors
- 3 led:bus outputs can control up to 24 lights directly
- LED Display
- > 3 Status LEDs
- 1 Relay for extensive automation
- > RF Remote Control
- > DIN-Rail mountable





An elegant, intuitive and amazingly easy to use RGB controller with DMX output of 512 channels, capable to control up to 170 individually addressed RGB lights.

The glass surface features touch-sensitive keys and a touch wheel with color LEDs, that let the user interactively setup color changing effects, static colors, intensity, white temperature and memory functions.

Available in black or white color. Luminaires with DMX input can be connected directly (e.g. UL900). Non-dmx luminaires require the DMX2led:bus converter.

Order ID: RGBC 3000

Output:	DMX - 512 channels - 170 individually addressed RGB lights		
Functions:	4 Functions - Select intensity, color, white and memory mode		
Touch wheel:	12 RGB LEDs		
Material:	Glass with Capacitive Touch Sensors & Aluminium		
Dimensions:	160 x 80 x 11 (W x H x D in mm)		
Mounting:	In-Wall mounting		
Device Color:	Black (RGBC 3000.K) or White (RGBC 3000.W)		
Power:	100mA 24V DC		

- Touch Sensitive Glass Surface
- > 512 channels DMX output (RGB)
- 4 mode keys to select intensity, color, white and memory mode
- > Touch Wheel with LEDs for intuitive control
- > On/Off key and Play/Pause key
- 5 Status LEDs
- > Ultra thin design
- Color chase on up to 12 RGB fixtures
- In-Wall mountable
- > CE certified
- > IP20 Protection Degree

228 FONTAN





White Dimmer with RF remote

LED luminaires with dimmable module can be controlled with this device. Designed to let users define the desired level of light intensity and drop electricity costs even more. Now ships standard with a RF remote control for easier operation over long distance and a 6A relay for extensive automation flexibility.

Order ID: WDRF 1000

Function:	Dimming of White-Color LED Luminaires		
Mounting:	DIN-Rail mountable		
Display:	LED 3-Digit		
Outputs:	PWM up to 24 fixtures		
Relay:	1 6A relay NC or NO / AC1 230V		
Remote Control:	\ensuremath{RF} with external antenna input for broader reception		
Power:	1.5W 12-24V DC		



led:bus Amplifier

The led:bus amplifier takes one led:bus input, amplifies it and repeats it in 8 led:bus outputs. This way you can control unlimited luminaires using only one RGB controller, all having the same color in every given moment.

Order ID: LBA 2000 Function: Amplify one led:bus input to 8 led:bus outputs Mounting: DIN-Rail mountable Dimensions: 70mm [w] x 90mm [h] x 58mm [d] Input: led:bus Output: 8 led:bus outputs - 8 RGB lights per output you can daisy-chain multiple amplifiers to connect unlimited lights Power: 0.1W 12-24V DC







Conversion Accessories

Amplifier & Color Inverter



This device amplifies & inverts the supplied color. For example if Red is supplied, the device will output Green and Blue in the two outputs. This way you can invert RGB into BGR and GBR and all the percentages in between.

PWM to led:bus



PWM to led:bus converter is used in occasions where a PWM-based RGB controller is used to control lights under TheSmartLED family. The conversion is carried out real-time, without any delays.

It follows the 8-Node philosophy, thus one converter is required for 8 lights. For more lights a led:bus amplifier is required.

led:bus to PWM



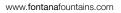
Led:bus to PWM converter is used for a led:bus RGB Controller to drive PWM lights. It has 1 led:bus input and converts it into 3 PWM outputs. You can directly connect luminaires of up to 10A totally.

Order ID: LBA 3000

Material:	ABS		
Mounting:	DIN-Rail mountable		
Dimensions:	70mm [w] x 90mm [h] x 58mm [d]		
Input:	led:bus		
Output:	2 x 4 led:bus (inverted)		
Power:	0.1W 12-24V DC		

Order ID: LBA 4000 Material: ABS Mounting: DIN-Rail mountable Dimensions: 63mm [w] x 42mm [h] x 23mm [d] Input: 3 PWM (Positive Common) Output: 3 LEDbus™ outputs up to 24 lights directly with color-invert feature Power: 0.2W 12-24V DC

Order ID: LBA 5000			
Material:	ABS		
Mounting:	DIN-Rail mountable		
Dimensions:	63mm [w] x 42mm [h] x 23mm [d]		
Input:	led:bus		
Output:	3 PWM outputs up to 10 Amps in total		
Power:	0.2W 12-24V DC		





Power Supplies for LED Luminaires

Professional Series



Professional series contains the highest quality power supplies for use with LED lights. Din rail mountable, with an output voltage of 12 & 24V DC and 1-phase and 3-phase versions with 60 W up to 960 W, they are particularly suited for use in any scale lighting applications. The wide-range input and international certification package allows worldwide implementation.

The high MTBF of 500,000 h stands for high supply reliability. The devices can be connected in parallel to increase the capacity and redundancy. The clear LED signaling and the device connection with double terminal block for plus and minus for fast potential distribution are further advantages of this device series. A third terminal block for minus simplifies the grounding on the secondary side. All power supply units are idle proof and short circuit proof and provide a regulated and settable output voltage of 22.5 V DC to 29.5 V DC (10 -18V DC for 12V units) with output currents of 2.5 A, 5 A, 10 A, 20 A or 40 A.

- High quality, highly reliable power supplies
- 1-phase and 3-phase versions worldwide implementation
- > from 60W to 960W output
- 12V DC & 24V DC models
- Reverse polarity & short-circuit protection
- Switching (essential for LED luminaires)
- Din rail mountable

Model	Input Voltage	Output Voltage	Output Power	Output Current
LPS 24060	100V - 240V AC	24V DC	60W	2.5 Amps
LPS 24120	100V - 240V AC	24V DC	120W	5 Amps
LPS 24240	100V - 240V AC	24V DC	240W	10 Amps
LPS 24480	100V - 240V AC	24V DC	480W	20 Amps
LPS 12060	100V - 240V AC	12V DC	60W	5 Amps
LPS 12120	100V - 240V AC	12V DC	120W	10 Amps
LPS 324480	3 x 400-500V AC	24V DC	480W	20 Amps
LPS 324960	3 x 400-500V AC	24V DC	960W	40 Amps

Eco Series



Eco series consists of a wide range of reliable, value-for-money power supplies for use with LED luminaires. Din rail mountable with output voltage of 12 & 24V DC and 1-phase and 3-phase versions with 30W up to 960W, they are ideal for any scale lighting applications.

- High quality, highly reliable power supplies
- Value for money solution
- 1-phase and 3-phase versions worldwide implementation
- > from 30W to 960W output
- > 12V DC & 24V DC models
- Switching (essential for LED luminaires)
- > Din rail mountable

Model	Input Voltage	Output Voltage	Output Power	Output Current
LPE 12030	85-264V AC 120-370V DC	12V DC	30W	2 Amps
LPE 24030	85-264V AC 120-370V DC	24V DC	30W	1.5 Amps
LPE 12060	88-264V AC 120-370V DC	12V DC	60W	4.5 Amps
LPE 24060	88-264V AC 120-370V DC	24V DC	60W	2.5 Amps
LPE 12075	88-264V AC	12V DC	75W	6.3 Amps
LPE 24075	88-264V AC	24V DC	75W	3.2 Amps
LPE 12100	88-264V AC 124-370V DC	12V DC	100W	7.5 Amps
LPE 24100	88-264V AC 120-370V DC	24V DC	100W	4.2 Amps
LPE 12120	90-132 / 180-264V AC	12V DC	120W	10 Amps
LPE 24120	90-132 / 180-264V AC	24V DC	120W	5 Amps
LPE 24240	88-264V AC	24V DC	240W	10 Amps
LPE 24243	3 x 340-550V AC	24V DC	240W	10 Amps
LPE 24480	180-264V AC	24V DC	480W	20 Amps
LPE 24483	3 x 340-550V AC	24V DC	480W	20 Amps
LPE 24963	3 x 340-550V AC	24V DC	960W	40 Amps



Complete LED Illumination Panels



Cost-effective, pre-wired, pre-assembled standardised control panels for LED lights of fountains, gardens & swimming pools. These control systems are designed to cover the majority of smallmedium scale applications sporting all essential and extra features for a fully functional & controllable illumination system. All models meet the VDE guidelines and are precisely designed & built to be absolutely functional, safe and utmost reliable.

LCS 1000 is ideal for single-color luminaires or RGB ones where no control of the color is required as RGB luminaires constantly change colors among a 16.7 million-color spectrum if not connected to an RGB controller.

LCS 2000 & LCS 3000 feature a hybrid RGB controller with dimming functionality for white-color luminaires, with RF remote for easier operation and they are capable to power luminaires of up to 300W and 450W total consumption respectively. All Control Panels include a time switch for automated operation as well and an automation input for Photocell connection etc.

The Control Panels can be customized to meet specific project requirements and higher-end control systems can be built to order.

	LCS 1000	LCS 2000	LCS 3000
Description:	Control Panel for Automated or Manual Operation, with Power Supply for LED Lights up to 200W / 24V DC, Time switch with reserve and 1 Input for Automation Device	Control Panel for Automated or Manual Operation, with Power Supply for LED Lights with total consumption of up to 300W / 24V DC, Time switch with reserve, RGB controller with pre- programmed and configurable colors & sequences, Dimming function for White-color luminaires and 1 input for Automation Device	Control Panel for Automated or Manual Operation, with Power Supply for LED Lights with total consumption of up to 450W / 24V DC, Time switch with reserve, RGB controller with pre- programmed and configurable colors & sequences, Dimming function for White-color luminaires and 1 input for Automation Device
Input Voltage:	1 x 230V AC	1 x 230V AC	1 x 230V AC
Main Power Light Indicator:	Yes	Yes	Yes
Main Protection Switch:	2x10A / 10KA	2x10A / 10KA	2x16A / 10KA
Illumination System Output:	up to 200W / 24V DC	up to 300W / 24V DC	up to 450W / 24V DC
Illumination System Relay:	25A / 2P	25A / 2P	25A / 2P
LED Power Supply:	300W / 24V DC	450W / 24V DC	600W / 24V DC
Power Supply Protection Fuse:	4A Express Fusion	6A Express Fusion	8A Express Fusion
RGB Controller with Dimming Function for White lights:	No	Yes, with 3 Colorful RGB Sequences, 7 pre-programmed Colors, 3 programmable colors, Easy Color Selection, Speed & Intensity Configuration and Dimming function for White-color Luminaires	Yes, with 3 Colorful RGB Sequences, 7 pre-programmed Colors, 3 programmable colors, Easy Color Selection, Speed & Intensity Configuration and Dimming function for White-color Luminaires
Time switch:	Time switch with 1 output, with reserve	Time switch with 1 output, with reserve	Time switch with 1 output, with reserve
Secondary Protection Fuse:	2A Express Fusion	2A Express Fusion	2A Express Fusion
Automation Input:	1 Input for Photocell etc	1 Input for Photocell etc	1 Input for Photocell etc





Conventional Illumination

The timeless elegance only halogen lights can provide.

Halogen lights might require more power compared to LEDs, the bulbs have a much shorter life cycle, they are not that "green" and eco-friendly at all but they offer one single intangible value: they create the most timeless, elegant, seductive and discrete warm white color. And this fact is why there still is high demand for new fountains illuminated by conventional lamp equipped spotlights.

In the following pages you will find a wide range of our most successful conventional type underwater spotlights made of stainless steel, suitable for a variety of applications, from residential to commercial level.









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FONTANS 237



FL30 Series

FL30 is a very compact, low voltage spotlight for submersible use, made of AISI304 stainless steel (or 316 on request). It is designed for applications where a less conspicuous fixture is needed such as ponds or small ornamental fountains.





FL30's ultra-compact design makes it ideal for shallow pools.



The flexible base of FL30 is made of stainless steel and offers versatile installation.

Model	Watts	Volts	Lamp	Light Intensity	Beam Angle
FL30-20	20W	12V AC	Dichroic MR16	510 Cd	36°
FL30-35	35W	12V AC	Dichroic MR16	1050 Cd	36°

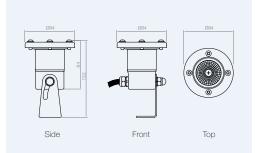


FEATURES

- > AISI 304 Stainless Steel Construction
- > IP68 Protection Class
- > Energy Saving Lamps: 20W-35W
- Stainless Steel Mounting Bracket
- > High corrosion and impact resistance
- > Heat Resistant, Tempered Glass
- > Cable Gland for Waterproof Cable
- > Stylish Design & Finishing

OPTIONS / ADD-ONS

- AISI 316 Stainless Steel construction
- > Waterproof Cable (3M, 5M, 10M or custom length)
- > Double cable glands for serial installation
- Color Filters (Blue, Red, Green, Orange)
- > Thermal Safe-Off function
- Reinforced Anti-Vandal Protection



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FONTANA



FL50 Series

FL50 is a compact, low voltage spotlight for submersible use, made of AISI304 stainless steel (or 316 on request). It is designed for spot or uniform illumination (depending on beam angle) of small scale fountains, waterfalls and ponds.





Model	Watts	Volts	Lamp	Light Intensity	Beam Angle
FL50-20	20 W	12V AC	Dichroic	510	36°
FL50-35	35 W	12V AC	Dichroic	1050	36°
FL50-50	50 W	12V AC	Dichroic	1450	36°
FL50-78	75 W	24V AC	Dichroic	2500	36°

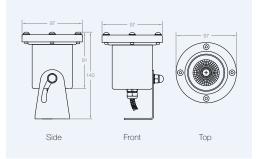
www.fontanafountains.com

FEATURES

- > AISI 304 Stainless Steel Construction
- > IP68 Protection Class
- > Energy Saving Lamps: 20W-75W
- Stainless Steel Mounting Bracket
- > High corrosion and impact resistance
- > Heat Resistant, Tempered Glass
- > Cable Gland for Waterproof Cable
- Stylish Design & Finishing

OPTIONS / ADD-ONS

- > AISI 316 Stainless Steel construction
- > Waterproof Cable (3M, 5M, 10M or custom length)
- > Double cable glands for serial installation
- Color Filters (Blue, Red, Green, Orange)
- Thermal Safe-Off function
- Reinforced Anti-Vandal Protection



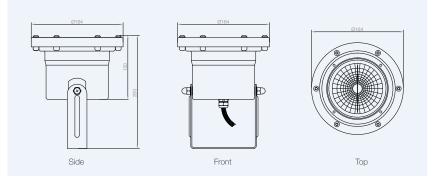




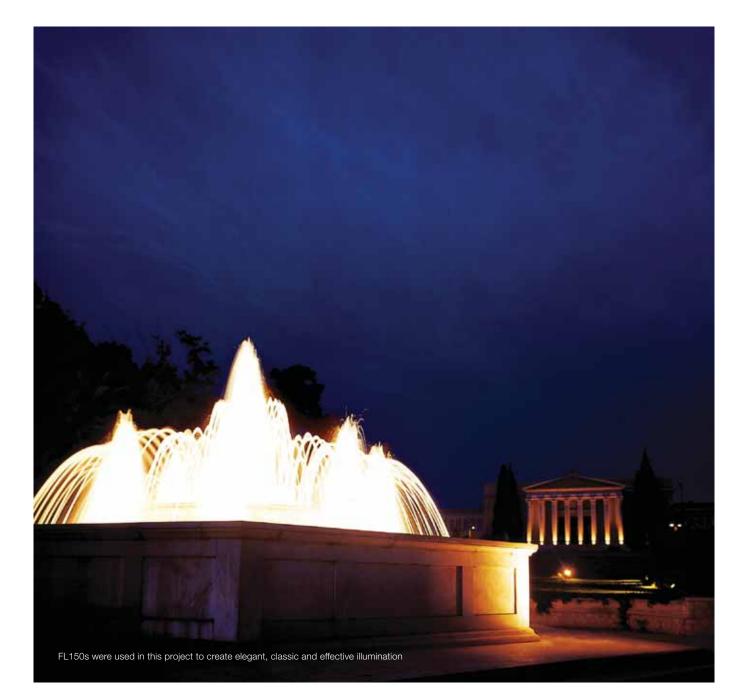
- > High Quality Professional Solution
- Ideal for long-time operation
- AISI 304 Stainless Steel Construction (available in AISI 316 on request)
- **>** Stylish Design
- For medium to large fountains
- Energy Saving Lamps: 75W-100W
- > Environmentally Friendly

The FL150 is the most versatile and popular luminaire among the conventional technology lights series. It utilizes energy saving lamps from 75W to 100W in various beam angles and color filters, providing extensive design flexibility. It's heavy duty, yet stylish housing is entirely constructed of AISI 304 Stainless Steel (316 Stainless Steel housing is also available) giving it astonishing resistance against corrosion, rust, impacts and any kind of adversities.

The FL150 is designed to be used in medium to large-scale water features. It's compact shape combined with the flexible stainless steel base and it's reduced weight allows faster and easier installation.

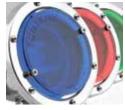








The FL150 uses AR111 halogen bulbs for greater efficiency and easier replacement.



Using FLF color filters on top of the spotlight you can create impressive multi-color variations. More on page 248

Model	Watts	Volts	Lamp	Light Intensity	Beam Angle
FL150-07	75 W	12 V AC	Halogen	5300 Cd	24°
FL150-10	100 W	12 V AC	Halogen	48000 Cd	8°
FL150-12	100 W	12 V AC	Halogen	8500 Cd	24°





FL151 Series

FL151 utilizes the reliable housing of FL150 series, and incorporates more advanced bulbs like dichroic MR16s. Made of AISI304 stainless steel (or 316 on request), it is designed for effective, safe and reliable illumination of medium to large-scale fountains, waterfalls and ponds.





Model	Watts	Volts	Lamp	Beam Angle
FL151-31	150W 3 x 50W	12V AC	Dichroic MR16	36°
FL151-35	150W 3 × 50W	12V AC	High Illumination MR16	10°
FL151-37	150W 3 x 50W	12V AC	High Illumination MR16	24°
FL151-39	225W 3 x 75W	12V AC	Dichroic MR16	24°

242

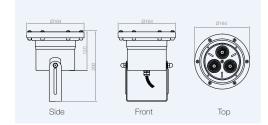
FONTANA

FEATURES

- > AISI 304 Stainless Steel Construction
- > IP68 Protection Class
- > Energy Saving Lamps: 150W-225W
- Stainless Steel Mounting Bracket
- > High corrosion and impact resistance
- > Heat Resistant, Tempered Glass
- > Cable Gland for Waterproof Cable
- Stylish Design & Finishing

OPTIONS / ADD-ONS

- > AISI 316 Stainless Steel construction
- > Waterproof Cable (3M, 5M, 10M or custom length)
- > Double cable glands for serial installation
- Color Filters (Blue, Red, Green, Orange)
- > Thermal Safe-Off function
- Reinforced Anti-Vandal Protection





FL380 Series

Heavy-duty solution for impressive illumination of larger water features. Made of AISI304 stainless steel (or 316 on request) and incorporating PAR38 bulbs it is an ideal luminaire for fountains, waterfalls and ponds.



ModelWattsVoltsLampBeam AngleFL380-12120W24V ACIncandescent PAR3810°FL380-14150W24V ACIncandescent PAR3812°

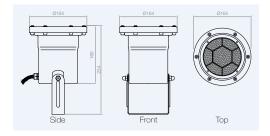
CE IP68 ENERGY SAVING S

FEATURES

- > AISI 304 Stainless Steel Construction
- > IP68 Protection Class
- > Energy Saving Lamps: 120W-150W
- Stainless Steel Mounting Bracket
- > High corrosion and impact resistance
- Heat Resistant, Tempered Glass
- > Cable Gland for Waterproof Cable
- Stylish Design & Finishing

OPTIONS / ADD-ONS

- > AISI 316 Stainless Steel construction
- > Waterproof Cable (3M, 5M, 10M or custom length)
- > Double cable glands for serial installation
- Color Filters (Blue, Red, Green, Orange)
- > Thermal Safe-Off function
- Reinforced Anti-Vandal Protection









FL700 Series

Professional underwater spotlight for large water features like WaterShows. The heavy duty housing is made of superior quality AISI304 stainless steel (or 316 on request) and incorporates 7 MR16 bulbs for excellent illumination up to 15 meters.



Model	Watts	Volts	Lamps	Beam Angle
FL700-31	350 W	12V AC	7 x MR16	24°
FL700-33	350 W	12V AC	7 x MR16	36°
FL700-53	525 W	12V AC	7 x MR16	36°

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FEATURES

> AISI 304 Stainless Steel Construction

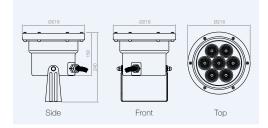
ENERGY SAVING

TAINLESS STEEL

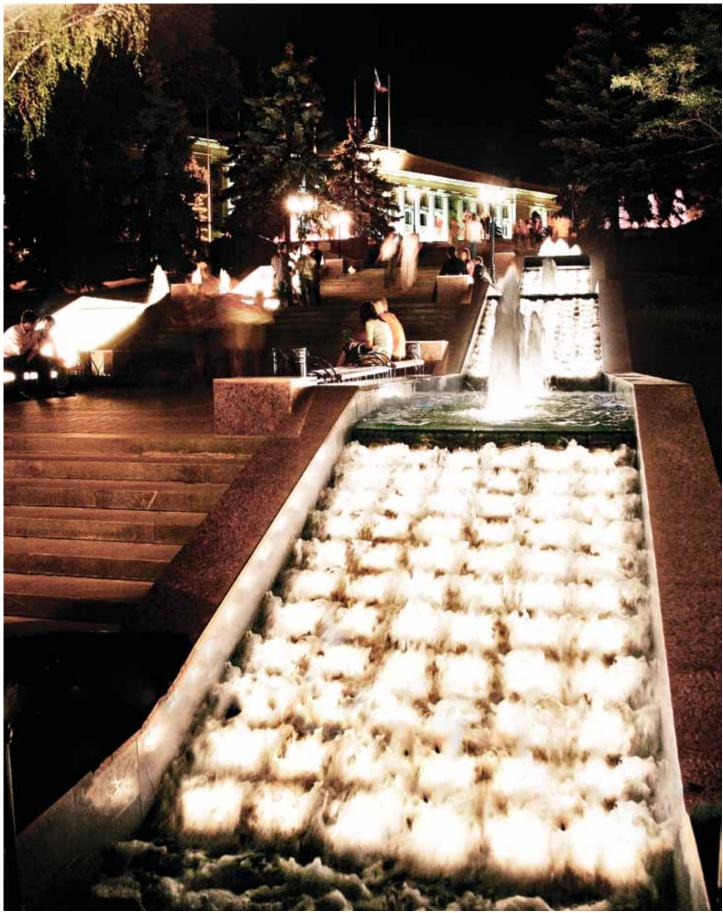
- > IP68 Protection Class
- > Energy Saving Lamps: 350W-525W
- Stainless Steel Mounting Bracket
- > High corrosion and impact resistance
- > Heat Resistant, Tempered Glass
- > Cable Gland for Waterproof Cable
- Stylish Design & Finishing

OPTIONS / ADD-ONS

- > AISI 316 Stainless Steel construction
- > Waterproof Cable (3M, 5M, 10M or custom length)
- > Double cable glands for serial installation
- Color Filters (Blue, Red, Green, Orange)
- > Thermal Safe-Off function
- Reinforced Anti-Vandal Protection







Options / Add-Ons

All available accessories & options for halogen lights explained.



AISI 316 (1.4401) Stainless Steel product code suffix : .316

A luminaire's housing made of AISI 316 stainless steel offers higher corrosion resistance than 304. Extraordinary corrosion resistance combined with higher impact resistance lead to a submersible light nearly impossible to corrode, rust or tarnish by seawater, highly chlorinated pools or other aggressive environments and exceptionally resistant to any kind of adversities.





All luminaires can be manufactured with no visible fasteners, either for visual appearance or safety purposes. The luminaire can still easily be opened for maintenance and bulb replacement.





Free Standing Base is a useful accessory for mounting submersible lights. Made entirely of rock-solid stainless steel, allows easy customization of the light's position, while at the same time opening holes in the basin is avoided. Maintenance of both the basin and the luminaire becomes even easier as the base is not screwed in the floor and can be easily moved and rearranged.



Telescopic Base product code suffix : .TSB

The telescopic bases permit elevation of the luminaire for water depths of up to 55 cm. Recommended for deeper pools in order to avoid wasting light intensity. Standard models are made of AISI304 stainless steel or 316 on request.





Anti-Vandal Protection Kit / Rockguard product code suffix : .AV

The heat resistant tempered protection glass of all Fontana luminaires provides high impact resistance by itself, however some applications require reinforced anti-vandal protection. This protective cover, entirely made of stainless steel is mounted 3.5cm above the light's glass. As the grill retains elastic properties, it won't let anything penetrate it, and won't break by a hit. Note that with this accessory, the light intensity will decrease by approximately 20%.



Color Filters

White-lighting a fountain definitely conveys elegance but sometimes a more captivating and colorful result is desired. Fontana Color Filters are available for all models in 4 colors: Red, Green, Blue and Yellow. The combination of 2 or more colors delivers enchanting illumination effects.

Add the appropriate suffix to the end of the product code: Blue: .FLFB Red: .FLFR Green: .FLFG Yellow: .FLFY







Swimming Pool Lights

Swimming pools are amazingly fun, recreational and valuable for myriads of purposes – family leisure, wellness, sports, medical or architectural purposes. Correct illumination of any-scale, any-size, any-shape pools can turn them into a magical view by night.

In the following pages you will find a wide range of incredibly powerful, vivid and highly reliable luminaires to light up your swimming pool. There is an appropriate luminaire for any application – from small, residential-level pools to olympic-sized ones.

All luminaire housings are made of exceptional quality AISI 316L stainless steel, with excellent finishing and incorporate the brilliant technology and all protection features of TheSmartLED[™] series. We have also put extra attention to the LED lenses, utilizing some of the world's most specialized lenses to output totally uniform and still vivid illumination.

Just like with any Fontana product, safety comes first and these luminaires are precisely engineered and manufactured to be primarily safe. They are IP68 & CE certified and meet all safety standards.

The installation process is fast & easy and the long lifespan of the LEDs in combination with the great stainless steel housings, extend maintenance intervals significantly.



> 3.2W White

- > 240 Lumens
- > 12-24V DC (10-30V operating range)
- > Incredible Light Intensity & Vivid Colors
- AISI 316 Stainless Steel unibody
- IP68 Protection Degree Class III
- Reverse Polarity Protection
- Stylish Design & Finishing
- > High corrosion and impact resistance
- Ships with 3 m waterproof cable

PL mini is a miniature swimming pool light with incredible light output given its size. The very small form factor makes it ideal for accent illumination e.g. steps and the modern design of it makes sure it will look nice during daytime as well. With power consumption of only 3.2W, it becomes perfect value for money when it comes to efficient, "green" and yet powerful illumination.

PL mini incorporates 1 High-Power LED made by Cree, Inc. (USA) with superior quality lenses which produce remarkably uniform illumination and it is a Class III luminaire, CE certified, offering IP68 protection degree. Its unibody housing is made of superior quality, highly durable & corrosion resistant AISI316 stainless steel (1.4401) with stylish finishing. It is available in Cool & Warm White, and standard models ship with 3 meters of waterproof chlorine-resistant cable.



Amount of LEDs:	1 High Power LED (Made by Cree, Inc USA)
Lens Details:	46° Standard 16° on request
Module Type:	TheSmartLEDModule™
Self-Protection:	Reverse Polarity Protection
Operating Temp.:	-5°C to 65°C 23°F to 150°F
Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)

ENERGY - ELECTRICAL

Power Consumption:	3.2W
Voltage:	12-24V DC 10 - 30V Operating Range - without affecting intensity
Cable:	3.0 Meters chlorine resistant HO7RN-F Standard 5M, 10M or custom length on request
Power Supply:	Available (See page 232)

Submersible Illumination | thesmartled™ | PL mini

HOUSING DETAILS		
Stainless Steel AISI 316 1.4401		
Shiny Polished		
Heat Resistant Tempered Safety Glass		
IP68 Protection Certified Watertight up to 2m		
III		
Standard, on installation housing, for soft PVC safety hose		

HOW TO ORDER

Color	Power	Voltage	Beam Angle	Lumens	Part Nr.
White 6000K	3.2W	12-24V DC	46°	240 lm	PLM.CW
White 3000K	3.2W	12-24V DC	46°	198 lm	PLM.WW

Available Options:

To include one of the following options, add the appropriate suffix to the end of the Part Nr.

Dimmable (only for White models)	.DIM
Liner Installation Kit	.LK

PLM.CW Polar Can 310 258 207

CD: 0

207 258 310

Beam Center: 306.8 cd

ø 0.6 m

ø 1.3 m

ø 1.9 m

ø 2.5 m

ø 3.1 m

ø 3.8 m

Distance Beam

0.8 m

1.7 m

2.5 m

3.3 m

4.2 m

5.0 m

Center Beam LUX

441.72 LUX

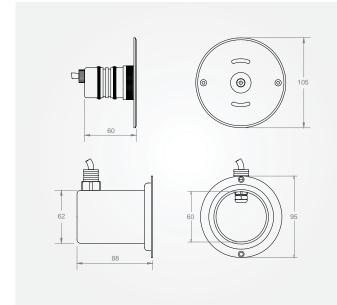
110.43 LUX

49.08 LUX

27.61 LUX

17.67 LUX

12.27 LUX



Recommended Accessories:



LED Power Supply

Fontana luminaires are designed to work trouble-free for thousands of hours. You need a power supply that can perform just as well.

read more on page 232



actual Beam Angle of PL Mini

Dimmer

With this unit you can easily set the exact light intensity you desire from white-color luminaires. It ships with remote control and fade-in, fade-out operation. read more on page 229

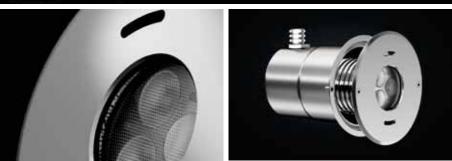






- > 6W RGB & 12.5W White
- > 865 Lumens (White)
- > 12-24V DC (10-30V operating range)
- > Incredible Light Intensity & Vivid Colors
- > AISI 316 Stainless Steel Housing
- IP68 Protection Degree Class III
- > 16-Step Thermal Protection
- Reverse Polarity Protection
- Stylish Design & Finishing
- High corrosion and impact resistance
- Ships with 3 m waterproof cable





PL300 is one of the smallest swimming pool lights to offer incredible illumination compared to its size. Minimal energy consumption, striking appearance, reliability and a truly smart LED module make it a unique solution for auxiliary or even main illumination of smaller pools. With power consumption of only 6W in RGB and 12.5W in White color, it becomes perfect value for money when it comes to efficient, "green" and yet powerful illumination.

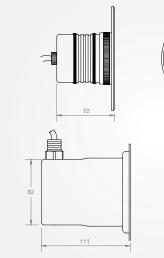
PL300 incorporates 3 High-Power LEDs made by Cree, Inc. (USA) with superior quality lenses which produce remarkably uniform illumination and it is a Class III luminaire, CE certified, offering IP68 (watertight) protection degree. The remarkable light output of white model is greater than 50W halogen bulbs while consuming 75% less electricity. PL300's unibody is made of highly durable & corrosion resistant AISI316 (1.4401) stainless steel. It is available in RGB, Cool & Warm White and standard models ship with 3 meters of waterproof chlorine-resistant cable.

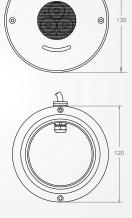
The LED module incorporates a Microprocessor handling data such as ID, color, intensity, temperature & status with advanced safety features like 16-step thermal protection and reverse polarity protection. White models are dimmable and the led:bus protocol permits easier and faster installation, requiring only 3-wire cables for RGB models. For DMX connection choose the .ADR option to give each luminaire a unique address and create amazing light shows in your pool.

Amount of LEDs:	3 High Power LEDs (Made by Cree, Inc USA)
Lens Details:	58° Standard 26° on request
Module Type:	TheSmartLEDModule [™] - led:bus equipped
Self-Protection:	16-Step Thermal Protection & Reverse Polarity
Operating Temp.:	-5°C to 65°C 23°F to 150°F
Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)

ENERGY - ELECTRICAL

Power Consumption:	12.5W (White) - 6W (RGB)		
Voltage:	12-24V DC 10 - 30V Operating Range - without affecting intensity		
Cable:	3.0 Meters chlorine resistant H05RN-F Standard 5M, 10M or custom length on request		
Power Supply:	Available (See page 232)		
RGB Controller:	Available (See page 227) Please note that this luminaire operates only with Fontana led:bus RGB Controllers. When in standalone operation, RGB spotlights create a continuously varying RGB sequence.		





Recommended Accessories:



www.fontanafountains.com

LED Power Supply

Fontana luminaires are designed to work trouble-free for thousands of hours. You need a power supply that can perform just as well.

read more on page 232



Control your pool's RGB lights easily with the Fontana led:bus RGB controller. You can choose between color sequences or create your own favorite colors. Now ships with remote control. read more on page 227

RGB Controller



Dimmer

With this unit you can easily set the exact light intensity you desire from white-color luminaires. It ships with remote control and fade-in, fade-out operation.

read more on page 229



HOUSING DETAILS		
Material (Standard):	Stainless Steel AISI 316 1.4401	
Finishing (Standard):	Shiny Polished	
Protection Glass:	Heat Resistant Tempered Safety Glass	
Protection Degree:	IP68 Protection Certified Watertight up to 2m	
Safety Class:	ш	
Hose Connector	Standard, on installation housing, for soft PVC safety hose	

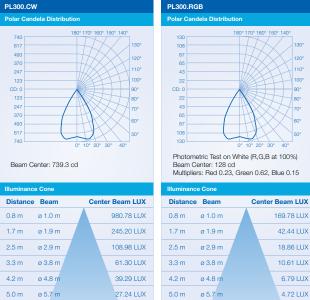
HOW TO ORDER

Color	Power	Voltage	Beam Angle	Lumens	Part Nr.
RGB	6W	12-24V DC	58°	219 lm	PL300.RGB
White 6000K	12.5W	12-24V DC	58°	865 lm	PL300.CW
White 3000K	12.5W	12-24V DC	58°	622 lm	PL300.WW

Available Options:

To include one of the following options, add the appropriate suffix to the end of the Part Nr.

PWM module (only for RGB model)	.PWM
Dimmable (only for White models)	.DIM
Liner Installation Kit	.LK



Illuminance Cone				Illu
Distance	Beam	Cer	nter Beam LUX	Di
0.8 m	ø 1.0 m		980.78 LUX	0.8
1.7 m	ø 1.9 m		245.20 LUX	1.5
2.5 m	ø 2.9 m	/	108.98 LUX	2.8
3.3 m	ø 3.8 m		61.30 LUX	3.0
4.2 m	ø 4.8 m		39.29 LUX	4.2
5.0 m	ø 5.7 m		27.24 LUX	5.0







- **>** 14W RGB & 24W White
- > 1.730 Lumens (White)
- > 12-24V DC (10-30V operating range)
- Incredible Light Intensity & Vivid Colors
- > AISI 316L Stainless Steel Housing
- > IP68 Protection Degree Class III
- > 16-Step Thermal Protection
- Reverse Polarity Protection
- Stylish Design & Finishing
- High corrosion and impact resistance
- Ships with 3 m waterproof cable





PL600 is a compact swimming pool light with exceptional illumination capabilities, minimal energy consumption and striking appearance. It can illuminate medium-scale swimming pools vividly, efficiently & most of all reliably. With power consumption of only 14W in RGB and 24W in White color, it becomes perfect value for money when it comes to efficient, "green" and yet powerful illumination.

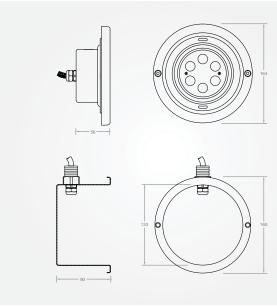
PL600 incorporates 6 High-Power LEDs made by Cree, Inc. (USA) with superior quality lenses which produce remarkably uniform illumination and it is a Class III luminaire, CE certified, offering IP68 (watertight) protection degree. The remarkable light output of white model is equivalent to 100W halogen bulbs while consuming 86% less electricity. PL600's housing is made of highly durable & corrosion resistant AISI316L (1.4404) stainless steel. It is available in RGB, Cool & Warm White and standard models ship with 3 meters of waterproof chlorine-resistant cable.

The LED module incorporates a Microprocessor handling data such as ID, color, intensity, temperature & status with advanced safety features like 16-step thermal protection and reverse polarity protection. White models are dimmable and the led:bus protocol permits easier and faster installation, requiring only 3-wire cables for RGB models. For DMX connection choose the .ADR option to give each luminaire a unique address and create amazing light shows in your pool.

Amount of LEDs:	6 High Power LEDs (Made by Cree, Inc USA)
Lens Details:	55° Standard - 24° and 79° on request
Module Type:	TheSmartLEDModule [™] - led:bus equipped
Self-Protection:	16-Step Thermal Protection & Reverse Polarity
Operating Temp.:	-5°C to 65°C 23°F to 150°F
Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)

ENERGY - ELECTRICAL

Power Consumption:	24W (White) - 14W (RGB)
Voltage:	12-24V DC 10 - 30V Operating Range - without affecting intensity
Cable:	3.0 Meters chlorine resistant HO7RN-F Standard 5M, 10M or custom length on request
Power Supply:	Available (See page 232)
RGB Controller:	Available (See page 227) Please note that this luminaire operates only with Fontana led:bus RGB Controllers. When in standalone operation, RGB spotlights create a continuously varying RGB sequence.



Recommended Accessories:

10000	-
-	
	-

www.fontanafountains.com

LED Power Supply

Fontana luminaires are designed to work trouble-free for thousands of hours. You need a power supply that can perform just as well.

read more on page 232



Control your pool's RGB lights easily with the Fontana led:bus RGB controller. You can choose between color sequences or

RGB Controller

create your own favorite colors. Now ships with remote control. read more on page 227

Submersible Illumination | thesmortled™ | PL 600

i
Stainless Steel AISI 316L 1.4404
Shiny Polished
Heat Resistant Tempered Safety Glass
IP68 Protection Certified Watertight up to 2m
ш
Standard, on installation housing, for soft PVC safety hose

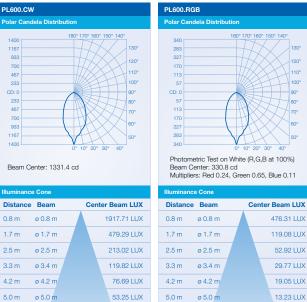
HOW TO ORDER

Color	Power	Voltage	Beam Angle	Lumens	Part Nr.
RGB	14W	12-24V DC	55°	438 lm	PL600.RGB
White 6000K	24W	12-24V DC	55°	1730 lm	PL600.CW
White 3000K	24W	12-24V DC	55°	1244 lm	PL600.WW

Available Options:

To include one of the following options, add the appropriate suffix to the end of the Part Nr.

PWM module (only for RGB model)	.PWM
Dimmable (only for White models)	.DIM
Liner Installation Kit	.LK



Illuminan	ce Cone			Illu
Distanc	e Beam	Cen	ter Beam LUX	Di
0.8 m	ø 0.8 m		1917.71 LUX	0.8
1.7 m	ø 1.7 m		479.29 LUX	1.7
2.5 m	ø 2.5 m	7	213.02 LUX	2.5
3.3 m	ø 3.4 m		119.82 LUX	3.3
4.2 m	ø 4.2 m		76.69 LUX	4.2
5.0 m	ø 5.0 m		53.25 LUX	5.0

Dimmer

With this unit you can easily set the exact light intensity you desire from white-color luminaires. It ships with remote control and fade-in, fade-out operation.

read more on page 229







- > 25W RGB & 48W White
- 3.460 Lumens (White)
- > 12-24V DC (10-30V operating range)
- > Incredible Light Intensity & Vivid Colors
- AISI 316L Stainless Steel Housing
- Stylish Design & Finishing
- > IP68 Protection Degree Class III
- > 16-Step Thermal Protection
- Reverse Polarity Protection
- High corrosion and impact resistance
- Ships with 3 m waterproof cable
- Microprocessors on board







PL700 is an all-purpose swimming pool light with exceptional illumination capabilities and minimal energy consumption. It can vividly illuminate medium to large swimming pools efficiently & most of all reliably. With power consumption of only 25W in RGB and 48W in White color, it becomes perfect value for money when it comes to efficient, "green" and yet powerful illumination.

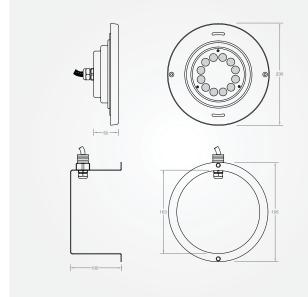
PL700 incorporates 12 High-Power LEDs made by Cree, Inc. (USA) with superior quality lenses which produce remarkably uniform illumination and it is a Class III luminaire, CE certified, offering IP68 (watertight) protection degree. The remarkable light output of white model is equivalent to 300W incandescent bulbs while consuming 84% less electricity. PL700's housing is made of highly durable & corrosion resistant AISI316L (1.4404) stainless steel. It is available in RGB, Cool & Warm White and standard models ship with 3 meters of waterproof chlorine-resistant cable.

The LED module incorporates a Microprocessor handling data such as ID, color, intensity, temperature & status with advanced safety features like 16-step thermal protection and reverse polarity protection. White models are dimmable and the led:bus protocol permits easier and faster installation, requiring only 3-wire cables for RGB models. For DMX connection choose the .ADR option to give each luminaire a unique address and create amazing light shows in your pool.

Amount of LEDs:	12 High Power LEDs (Made by Cree, Inc USA)			
Lens Details:	55° Standard - 24° and 79° on request			
Module Type:	TheSmartLEDModule [™] - led:bus equipped			
Self-Protection:	16-Step Thermal Protection & Reverse Polarity			
Operating Temp.:	-5°C to 65°C 23°F to 150°F			
Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)			

ENERGY - ELECTRICAL

Power Consumption:	48W (White) - 25W (RGB)
Voltage:	12-24V DC 10 - 30V Operating Range - without affecting intensity
Cable:	3.0 Meters chlorine resistant HO7RN-F Standard 5M, 10M or custom length on request
Power Supply:	Available (See page 232)
RGB Controller:	Available (See page 227) Please note that this luminaire operates only with Fontana led:bus RGB Controllers. When in standalone operation, RGB spotlights create a continuously varying RGB sequence.



Recommended Accessories:



LED Power Supply

Fontana luminaires are designed to work trouble-free for thousands of hours. You need a power supply that can perform just as well.

read more on page 232



Control your pool's RGB lights easily with the Fontana led:bus RGB controller. You can choose between color sequences or

RGB Controller

create your own favorite colors. Now ships with remote control. read more on page 227

Submersible Illumination | thesmartled™ | PL 700

i
Stainless Steel AISI 316L 1.4404
Shiny Polished
Heat Resistant Tempered Safety Glass
IP68 Protection Certified Watertight up to 2m
ш
Standard, on installation housing, for soft PVC safety hose

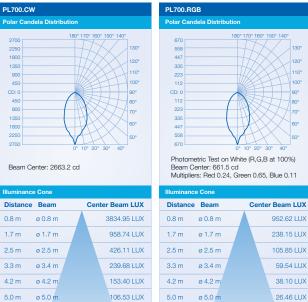
HOW TO ORDER

Color	Power	Voltage	Beam Angle	Lumens	Part Nr.
RGB	25W	12-24V DC	55°	876 lm	PL700.RGB
White 6000K	48W	12-24V DC	55°	3460 lm	PL700.CW
White 3000K	48W	12-24V DC	55°	2488 lm	PL700.WW

Available Options:

To include one of the following options, add the appropriate suffix to the end of the Part Nr.

PWM module (only for RGB model)	.PWM
Dimmable (only for White models)	.DIM
Liner Installation Kit	.LK



Illuminance Cone					Illu
Distance	Beam	Ce	nter Beam LUX		Di
0.8 m	ø 0.8 m		3834.95 LUX		0.
1.7 m	ø 1.7 m		958.74 LUX		1.
2.5 m	ø 2.5 m	7	426.11 LUX		2.
3.3 m	ø 3.4 m		239.68 LUX		3.
4.2 m	ø 4.2 m		153.40 LUX		4.:
5.0 m	ø 5.0 m		106.53 LUX		5.

Dimmer

With this unit you can easily set the exact light intensity you desire from white-color luminaires. It ships with remote control and fade-in, fade-out operation.

read more on page 229



PL 700 Pure White or Vivid Multicolor Illumination









PL800 is a premium swimming pool light with incredible illumination intensity, low consumption and an amazing super-slim design. It is designed for large commercial swimming pools, where it can operate exceptionally, efficiently & most of all reliably.

PL800 incorporates 18 High-Power LEDs made by Cree, Inc. (USA) with superior quality lenses which produce remarkably uniform illumination and it is a Class III luminaire, CE certified, offering IP68 (watertight) protection degree. The remarkable light output of white model is equivalent to 500W incandescent bulbs while consuming 86% less electricity. PL800's housing is made of highly durable & corrosion resistant AISI316L (1.4404) stainless steel. It is available in RGB, Cool & Warm White and standard models ship with 3 meters of waterproof chlorine-resistant cable.

The LED module incorporates a Microprocessor handling data such as ID, color, intensity, temperature & status with advanced safety features like 16-step thermal protection and reverse polarity protection. White models are dimmable and the led:bus protocol permits easier and faster installation, requiring only 3-wire cables for RGB models. For DMX connection choose the .ADR option to give each luminaire a unique address and create amazing light shows in your pool.

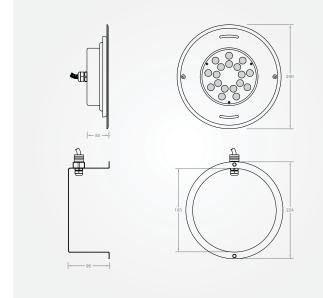
- Super-Slim Design & Stylish Finishing
- > Incredible Light Intensity & Vivid Colors
- > 40W RGB & 72W White
- 5.190 Lumens (White)
- > 12-24V DC (10-30V operating range)
- AISI 316L Stainless Steel Housing
- IP68 Protection Degree Class III
- > 16-Step Thermal Protection
- Reverse Polarity Protection
- High corrosion and impact resistance
- Ships with 3 m waterproof cable
- Microprocessors on board



Amount of LEDs:	18 High Power LEDs (Made by Cree, Inc USA)
Lens Details:	55° Standard - 24° and 79° on request
Module Type:	TheSmartLEDModule [™] - led:bus equipped
Self-Protection:	16-Step Thermal Protection & Reverse Polarity
Operating Temp.:	-5°C to 65°C 23°F to 150°F
Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)

ENERGY - ELECTRICAL

Power Consumption:	72W (White) - 40W (RGB)		
Voltage:	12-24V DC 10 - 30V Operating Range - without affecting intensity		
Cable:	3.0 Meters chlorine resistant HO7RN-F Standard 5M, 10M or custom length on request		
Power Supply:	Available (See page 232)		
RGB Controller:	Available (See page 227) Please note that this luminaire operates only with Fontana led:bus RGB Controllers. When in standalone operation, RGB spotlights create a continuously varying RGB sequence.		



Recommended Accessories:



LED Power Supply

Fontana luminaires are designed to work trouble-free for thousands of hours. You need a power supply that can perform just as well.

read more on page 232



Control your pool's RGB lights easily with the Fontana led:bus RGB controller. You can choose

RGB Controller

between color sequences or create your own favorite colors. Now ships with remote control. read more on page 227

Submersible Illumination | thesmartled™ | PL 800

HOUSING DETAILS	
Material (Standard):	Stainless Steel AISI 316L 1.4404
Finishing (Standard):	Shiny Polished
Protection Glass:	Heat Resistant Tempered Safety Glass
Protection Degree:	IP68 Protection Certified Watertight up to 2m
Safety Class:	III
Hose Connector	Standard, on installation housing, for soft PVC safety hose

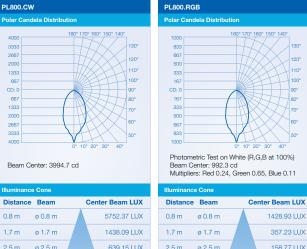
HOW TO ORDER

Color	Power	Voltage	Beam Angle	Lumens	Part Nr.
RGB	40W	12-24V DC	55°	1314 lm	PL800.RGB
White 6000K	72W	12-24V DC	55°	5190 lm	PL800.CW
White 3000K	72W	12-24V DC	55°	3732 lm	PL800.WW

Available Options:

To include one of the following options, add the appropriate suffix to the end of the Part Nr.

PWM module (only for RGB model)	.PWM
Dimmable (only for White models)	.DIM
Liner Installation Kit	.LK





Illuminance	Cone		Illu
Distance	Beam	Center Beam LUX	Di
0.8 m	ø 0.8 m	5752.37 LUX	0.
1.7 m	ø 1.7 m	1438.09 LUX	1.
2.5 m	ø 2.5 m	639.15 LUX	2.
3.3 m	ø 3.4 m	359.52 LUX	3.
4.2 m	ø 4.2 m	230.09 LUX	4.
5.0 m	ø 5.0 m	159.79 LUX	5.

0.8 m ø 0.8 m	1428.93 LUX
1.7 m ø 1.7 m	357.23 LUX
2.5 m ø 2.5 m	158.77 LUX
3.3 m ø 3.4 m	89.31 LUX
4.2 m ø 4.2 m	57.16 LUX
5.0 m ø 5.0 m	39.69 LUX

Dimmer

With this unit you can easily set the exact light intensity you desire from white-color luminaires. It ships with remote control and fade-in, fade-out operation.

read more on page 229







- Super-Slim Design & Stylish Finishing
- > 120° beam angle super uniform light
- Incredible Light Intensity
- Available in DC and AC versions
- > 58W Power Consumption
- > 4.537 Lumens
- Low Priced yet high quality
- AISI 316L Stainless Steel Housing
- IP68 Protection Degree Class III
- > 16-Step Thermal Protection
- Reverse Polarity Protection
- High corrosion and impact resistance
- Ships with 3 m waterproof cable

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PL LightFlood is a premium swimming pool light with incredible illumination intensity (4.537 lumens), low power consumption and remarkably uniform illumination. Its 144 ultravivid, lense-less LEDs make it ideal for medium and large scale swimming pools. It is amazingly low priced, yet it features state-of-the-art technologies and it's available in two versions: AC & DC.

PL LightFlood incorporates 144 High-Power LEDs made by OSRAM, without lenses - producing remarkably uniform illumination, with beam angle of 120°. It is a Class III luminaire, CE certified, offering IP68 (watertight) protection degree. The remarkable light output of PL LightFlood is equivalent to typical 300W incandescent bulbs while consuming considerably less electricity and illuminating in a much more uniform way.

PL LightFlood's housing is made of highly durable & corrosion resistant AISI316L (1.4404) stainless steel. It is available only in white color and it is dimmable. Standard models ship with 3 meters of waterproof chlorine-resistant cable. The LightFlood module is also available as a retrofit kit to replace existing swimming pool luminaires.

Amount of LEDs: 144 High Power LEDs (Made by Osram) Beam Angle: 120° Super-Flood Module Type: TheSmartLEDModule™ - dimmable Self-Protection: 16-Step Thermal Protection & Reverse Polarity Operating Temp.: -5°C to 65°C 23°F to 150°F Lifespan: 100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)		
Module Type: TheSmartLEDModule™ - dimmable Self-Protection: 16-Step Thermal Protection & Reverse Polarity Operating Temp.: -5°C to 65°C 23°F to 150°F Lifespan: 100.000 hrs max. (complies with L70-spec, in 50.000	Amount of LEDs:	144 High Power LEDs (Made by Osram)
Self-Protection: 16-Step Thermal Protection & Reverse Polarity Operating Temp.: -5°C to 65°C 23°F to 150°F Lifespan: 100.000 hrs max. (complies with L70-spec, in 50.000	Beam Angle:	120° Super-Flood
Operating Temp.: -5°C to 65°C 23°F to 150°F Lifespan: 100.000 hrs max. (complies with L70-spec, in 50.000	Module Type:	TheSmartLEDModule [™] - dimmable
Lifespan: 100.000 hrs max. (complies with L70-spec, in 50.000	Self-Protection:	16-Step Thermal Protection & Reverse Polarity
	Operating Temp.:	-5°C to 65°C 23°F to 150°F
	Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)

ENERGY - ELECTRICAL

Power Consumptio	on: 58W
Voltage:	12-24V DC or 24V AC 10 - 30V DC Operating Range - without affecting intensity
Cable:	3.0 Meters chlorine resistant HO7RN-F Standard 5M, 10M or custom length on request
Power Supply:	Available (See page 232)

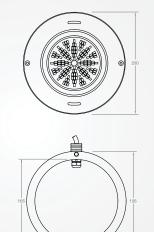
HOUSING DETAILS	
Material (Standard):	Stainless Steel AISI 316L 1.4404
Finishing (Standard):	Shiny Polished
Protection Glass:	Heat Resistant Tempered Safety Glass
Protection Degree:	IP68 Protection Certified Watertight up to 2m
Safety Class:	III
Hose Connector	Standard, on installation housing, for soft PVC safety hose

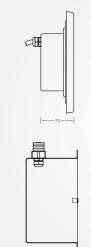
HOW TO ORDER

Color	Power	Voltage	Beam Angle	Lumens	Part Nr.
White	58W	12-24V DC	120°	4537 lm	PLLF.W.DC
White	58W	24V AC	120°	4537 lm	PLLF.W.AC

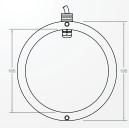
DC model











Polar Candela Distributio 180° 170° 160° 150° 140° 1600 130° 1333 1067 120° 800 110° 533 100° 267 90° CD: 0 267 80° 533 70° 800 60° 1067 1333 50° 1600 0° 10° 20° 30° 40° Beam Center: 1566.5 cd

Distance	Beam	Center Beam LUX
0.8 m	ø 2.5 m	5654.12 LUX
1.7 m	ø 5.1 m	1413.53 LUX
2.5 m	ø 7.6 m	628.24 LUX
3.3 m	ø 10.1 m	353.38 LUX
4.2 m	ø 12.7 m	226.16 LUX
5.0 m	ø 15.2 m	157.06 LUX

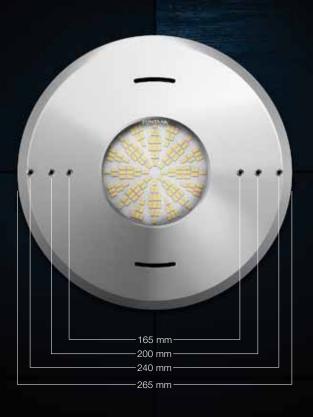






PL LightFlood retrofit kit

Replace your old PAR56 equipped luminaires and save up to 81% on electricity costs.



In AC & DC versions, with mounting holes to fix on the market's most popular niches and the option of custom construction according to your specifications, this retrofit kit can be installed in any pool.

Mounting holes' distance can be anywhere between 165 and 240 mm.

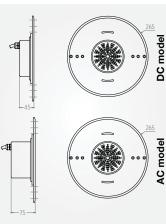
DC Model: PLR 100 | AC Model: PLR 200

FONTANE

266

Power Consumption:	58W	Dista
Voltage:	12-24V DC or 24V AC 10 - 30V DC Operating Range - without affecting intensity	0.8 m 1.7 m 2.5 m
Amount of LEDs:	144 High Power LEDs (Made by Osram) 4537 lumens	3.3 m
Beam Angle:	120° Super-Flood	4.2 m
Self-Protection:	16-Step Thermal Protection & Reverse Polarity	Polar Cande
Material (Standard):	Stainless Steel AISI 316L 1.4404	1600 1333
Lifespan:	100.000 hrs max. (complies with L70-spec, in 50.000 hrs led initial flux will not degrade by more than 30%)	1067 - 800 - 533 - 267 - CD: 0 -
Protection Degree:	IP68 Protection Certified Watertight up to 2m	267 - 533 - 800 -
Cable:	3.0 Meters chlorine resistant HO7RN-F Standard 5M, 10M or custom length on request	1067 1333 1600 Beam Ce





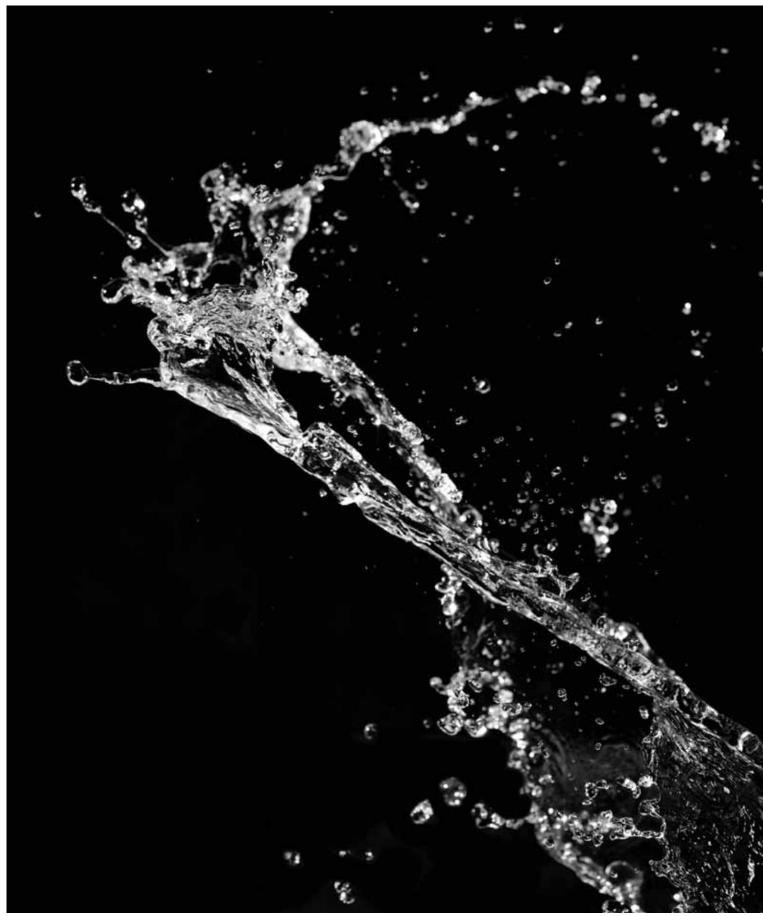
120° OF INTENSIVE, ABSOLUTELY UNIFORM ILLUMINATION.

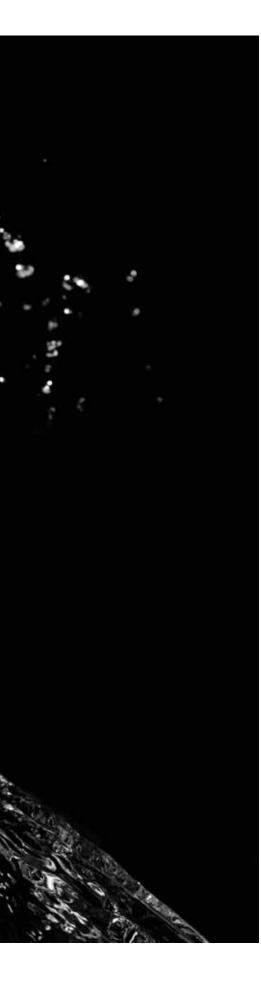


SPRAY SYSTEMS NOZZLES, HEADS, SPRAY RINGS, WATERFALLS, AND MORE

In the following pages you 'll find a wide range of spray components; Nozzles, Fountain Heads, Spray Rings & Lines, Galaxies, Waterfalls and Specialty Nozzles.

There are solutions to cover any requirement, from crystal-clear water effects to frothy ones and water-film effects. The majority of Fontana spray components are made entirely of Stainless Steel for exceptional corrosion & impact resistance and they are precisely engineered & manufactured for excellent water output, optimum flow performance, energy efficiency and reduced environmental impact. Every Fontana fountain component is also designed to be easily installed & maintained.





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Custom Nozzles

All Fontana standardised products can be customized according to customer requirements (e.g. 316 stainless steel, alternate mounting systems or spray patterns).

If however, you are looking for a unique water effect, nozzle, luminaire or anything related to water, Fontana also creates custom products. Since 1971 we have designed and manufactured extraordinary fountain equipment numerous times. With the aid of cutting-edge software and machines we can quickly develop a unique component, comprehensively test it in our facilities and manufacture it in very short times.

What you should take into consideration when planning a fountain

There are certain factors that you should always take into consideration when planning a fountain. Factors like typical local area wind conditions, desired sound level of the fountain, surrounding area, pool types and water quality are important for the trouble-free operation of the fountain.

Wind Conditions

Even though there are advanced wind control systems which can shut off or gradually decrease the height of the fountain when there is high wind velocity, wind always affects fountain shapes. There are nozzles that are more wind resistant than others and can retain their form even under higher wind forces. In every nozzle's page you will find an indicator of the Wind Resistance of the nozzle.

Sound Level

Water features produce different levels of sound depending on the water effect, the scale of it and the surrounding area. For example frothy nozzles are typically louder than clear-water ones with the most silent water effects being the water-film type ones. Also the surrounding area is an important factor as indoors a fountain always sounds louder than outside.

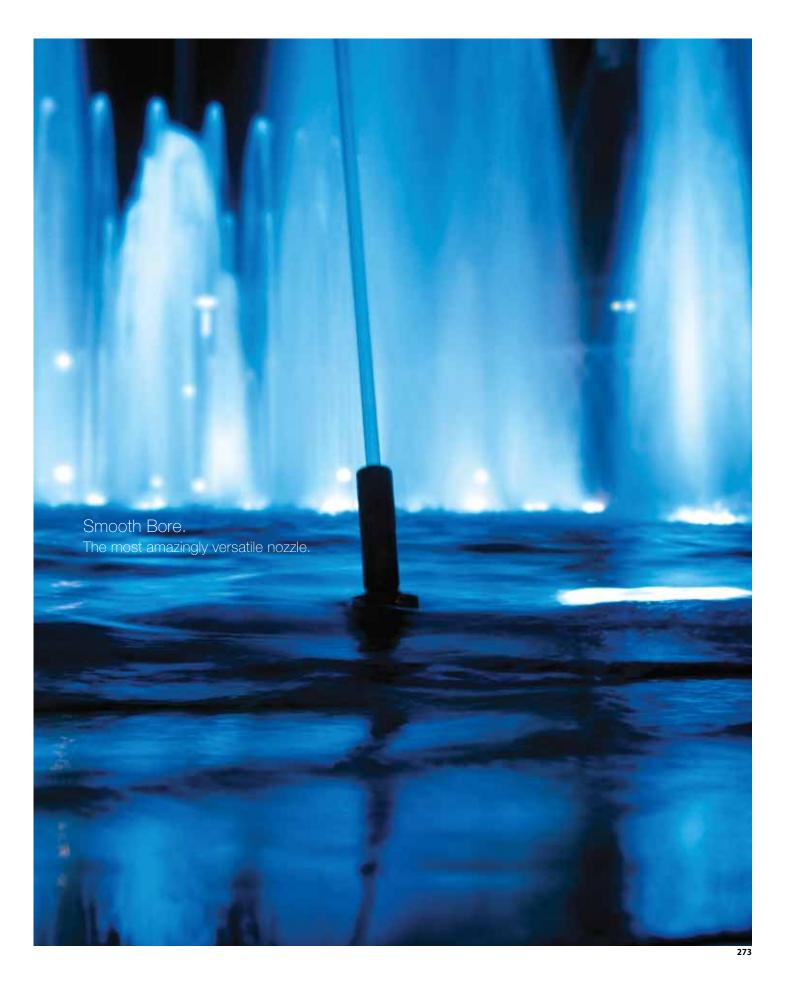
Surrounding Area

One of the most important factors that you should take into consideration is the surrounding area of the fountain. You must always select areas with no presence of deciduous trees as leaves might clog nozzles, drain & supply lines or take appropriate measures to compensate the problem. Generally always use appropriate nozzles and equipment to match the local area conditions.

Water Quality & Pool Type

You must always use 316 stainless steel fountain equipment when the pool's water is hard or salt water. In addition, if the water level of the pool is not constant, it is recommended that you use water level independent nozzles to avoid alterations of the water pattern. For example a Foam Jet, which is water level independent creates the exact same effect whether partially submerged in water or outside of it.







Smooth Bore

Efficiency, flexibility and an amazing crystal clear water stream.

Smooth Bores are the most versatile and value-for-money nozzles. They produce a crystal-clear water effect with exceptional results when illuminated at night. Every Smooth Bore nozzle can be adjusted by 15° off center axis for installation flexibility and water pattern design versatility. Smooth Bores are usually arranged in groups or on spray rings & lines.

An internal flow straightener now comes standard for nozzles ranging from 3/8" up to 11/2" inlets. This little accessory aligns water molecules flowing through it, resulting in a more solid looking water stream and more efficient use of the pump's head. As water flows more aligned, there is less friction, and thus greater spray heights can be achieved with less pressure applied.

- > Crystal-Clear water effect
- > Very versatile water shape
- > Adjustable by 15° in every direction
- > AISI316 Stainless Steel construction on request
- > Now shipping standard with internal flow straightener Models from 3/8" up to 11/2"

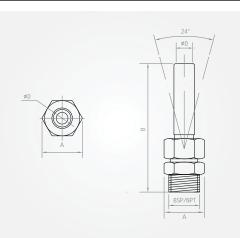
VISIBILITY •••• WIND RESISTANCE

SOUND LEVEL ••••

SPLASH ••••







OPTIONS / ADD-ONS

- > AISI 316 Stainless Steel Construction (suffix: .L)
- Chrome Plated (suffix: .C)

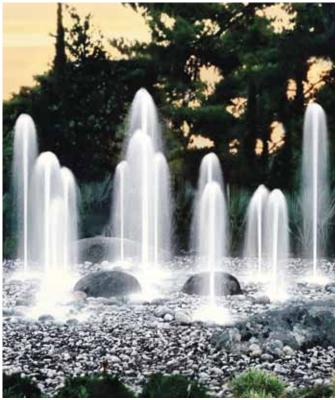
NOTES

- > Water Level Independent Nozzle
- > Water supply to the jet must be linear, non-turbulent
- > Custom sizes are available on request

	MS (0204	MS (0305	MS	0306	MS	0508	MS	0510	MS	1012	MS ⁻	1014				
Material			Brass Nic	ckel Platec	(Stainless Steel 304 or 316 on request)					Brass (Chrome Plated, Stainless Steel 304 or 316 on Request)								
Inlet BSP/NPT	1/2	."	3/8"		3/8" 3/8"		1⁄2"		1⁄2"		1"		1"					
Nozzle Orifice (D in mm)	4		4		zle Orifice (D in mm) 4		Ę	5	6	6	8	3	1	0	1	2	1	4
Dimensions (AxB in mm)	18 x 50		mm) 18 x 50 22 x 62 22 x 62 28 x 88		28 x 88		46 x 118		46 x 118									
Swivel Ball Joint	±1	5°	±1	5°	±1	5°	±1	5°	±1	5°	±1	5°	±15°					
Spray Height	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]				
0.5 m	2.3	0.6	3.7	0.7	5.4	0.7	9.3	0.7	15.5	0.8	20.8	0.5	31.8	0.7				
0.75 m	2.8	1.0	4.9	1.0	6.6	1.0	11.3	0.9	18.8	1.2	26.5	0.9	38.2	1.0				
1.0 m	3.3	1.2	5.6	1.3	7.5	1.2	13.2	1.2	21.8	1.4	30.2	1.1	43.4	1.3				
1.5 m	4.0	1.8	6.5	1.8	9.3	1.8	16.4	1.8	27.3	2.1	37.8	1.8	53.2	1.9				
2.0 m	4.6	2.5	7.5	2.4	10.9	2.5	19.2	2.5	31.3	2.9	43.1	2.3	60.7	2.4				
2.5 m	5.2	3.1	8.3	2.9	12.2	3.0	21.7	3.2	34.9	3.6	47.7	2.9	69.3	3.1				
3.0 m	5.8	3.8	9.2	3.6	13.5	3.7	23.8	3.8	38.0	4.2	52.3	3.5	75.2	3.7				
3.5 m	6.3 6.9	4.5 5.2	10.0 10.8	4.1 4.8	14.8 15.9	4.4 5.1	25.9 27.7	4.6 5.2	41.5 46.8	5.0	58.8 60.8	4.1 4.7	82.2 87.1	4.4				
4.0 m	0.9	5.2	12.3	6.1	18.0	6.5	31.0	6.4	40.8 51.3	7.4	68.2	4.7 5.9	98.9	6.3				
6.0 m			12.0	0.1	10.0	0.0	51.0	0.4	57.1	9.0	76.8	7.4	108.7	7.7				
7.0 m									57.1	5.0	83.3	8.4	120.8	9.0				
8.0 m											89.3	9.6	133.0	10.0				
10.0 m											100.3	12.1	150.2	12.6				

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FONTANN 275



Big Smooth Bores

Perfect for Sequenced Effects & Dry-Decks

Big Smooth Bores are the nozzles of choice in most cases where clear-stream, high visibility and excellent choreography performance is required. These nozzles are commonly used in dry-deck fountains and sequenced water effects mainly due to their instant reaction to choreographies and their perfect illumination capabilities.

Single- or Multi-Color light passes evenly inside the clear water stream and creates a totally uniform illumination effect which is particularly impressive in dry-deck fountains.

- > Highly visible and wind resistant, crystal-clear water effect
- > Excellent choreography performance
- > Perfect for dry deck fountains
- > Looks amazing with TheSmartLED[™] illumination
- > Made of Stainless Steel AISI 304 (316 on request)
- > Now shipping standard with internal flow straightener
- > Not water level dependent
- > Water supply to the jet must be linear, non-turbulent
- Highly efficient nozzle due to the Stainless Steel frictionless inside surface

VISIBILITY ••••• WIND RESISTANCE ••••• SOUND LEVEL •••• SPLASH ••••

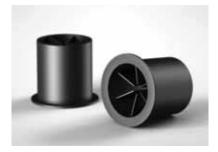




	MS	1517	MS	1520
Material	AISI 3	04 Stainless S	teel (316 on re	quest)
Inlet BSP/NPT	11	/2"	11	/2"
Nozzle's Orifice (D)	171	mm	201	mm
Dimensions (AxB)	54 x	153	54 x	153
Swivel Ball Joint	±1	5°	±1	5°
Spray Height	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]
0.5 M	43	1.0	59	0.7
1.0 M	61	1.4	82	1.1
1.5 M	76	1.9	104	1.9
2.0 M	87	2.4	119	2.4
2.5 M	98	2.9	135	3.1
3.0 M	108	3.3	147	3.6
3.5 M	118	4.2	159	4.2
4.0 M	124	4.6	170	4.8
5.0 M	133	5.2	191	6.1
6.0 M	143	5.8	211	7.3
7.0 M	156	7.0	235	8.6
8.0 M	169	8.2	259	9.8
9.0 M	181	9.3	273	11.0
10.0 M	192	10.6	290	12.2
11.0 M	203	11.8	305	13.4
12.0 M	212	13.0	323	14.6
14.0 M			349	16.8



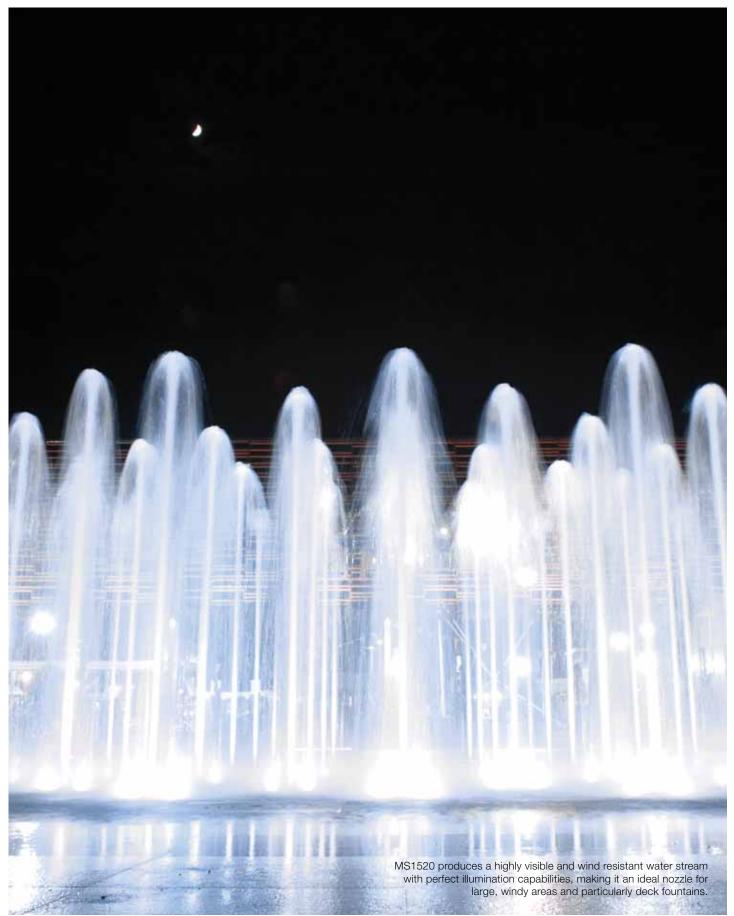


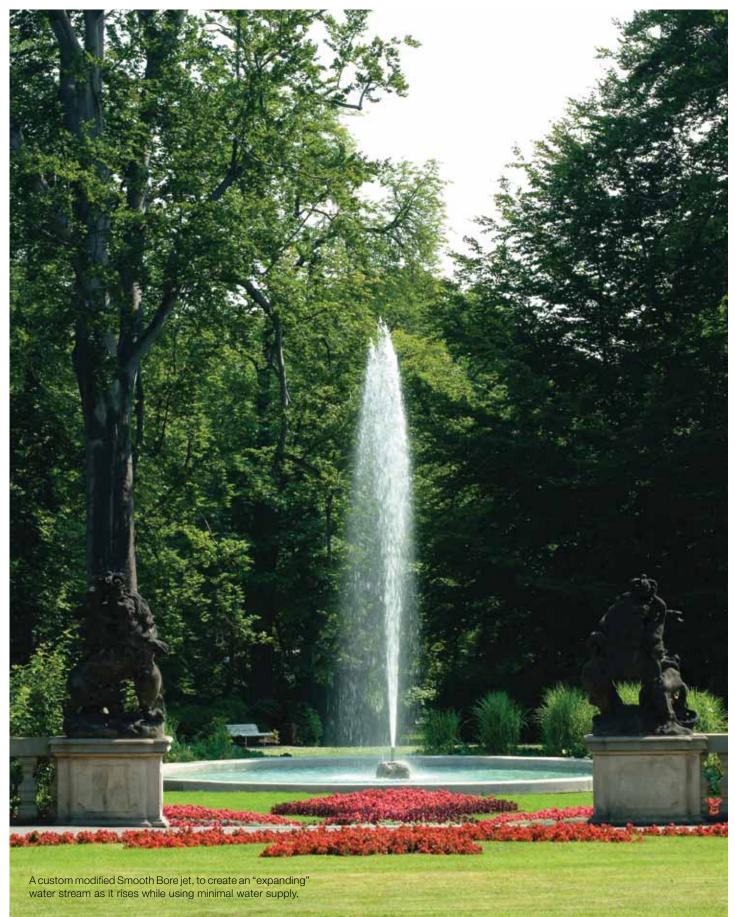


Smooth bores now ship with an internal flow straightener standard for nozzles ranging from 3/8" up to 11/2".

This is a great little accessory which does some remarkable work. It eliminates pump's turbulence and straightens the incoming water. The stream then comes out higher, smoother and crystal-clear. The flow straightener is firmly placed inside the nozzle without affecting its dimensions.





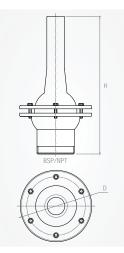




Really Big Smooth Bores



The highest heights are effectively and efficiently achieved with this special variation of the popular Smooth Bore series. These jets are made to shoot water up to more than 100 meters high in the sky and they are entirely constructed of 304 Stainless Steel (or 316L for use in sea water). The massive stream can be easily controlled and automated through the dedicated HSC Controller (with wind adaptability and VFD) and can be lit with the powerful UL800 or UL1000 LED luminaires in White or RGB. Water level independent. Available also as complete floating system.



- > The best choice for high streams
- > Superior quality construction
- Stainless Steel AISI 304 (or 316L)
- Special Control Panel for high streams available
- > Extremely visible and wind stable
- Becomes magical when lit with the powerful UL1000 luminaires
- Available as a complete system floating or fixed





	MS 2	2022	MS (3028	MS	4045	MS 6	076
Material		Sta	inless S [.]	teel AIS	304 (3 [.]	16L on re	equest)	
Inlet BSP/NPT	2"		3"		4"		DN 150	
Nozzle Orifice	2	2	28		45		76	
Dimensions (DxH in mm)	105 >	235	160 x 350		220 x 453		258 x 558	
Integrated Swivel Angle	±1	5°	±1	5°	±15°		±5°	
Spray Height	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]
10 m	341	13	545	15	1045	13	4180	14
15 m	398	20	705	22	1322	20	4853	20
20 m	448	26	780	30	1562	27	5526	27
30 m			1095	46	2069	40	6919	43
40 m			1314	61	2336	55	8090	61
50 m					2659	69	9133	76
60 m							10084	97
80 m							11052	129
100 m							12578	166

Water supply to the jet must be linear, non-turbulent. Contact us for technical assistance for spray heights >60m.

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FONTANA 281

Ginormous Single-Stream Floating Fountains

Fontana has accomplished over the years landmark projects with ginormous single-stream floating fountains reaching up to 50 meters height.

These fountains are typically equipped with Smooth Bore or Hollow Jets and stainless steel manufactured floats. These floats are a masterpiece of engineering and precision manufacture and can be placed both in fresh or salt water.

The perfect luminaires for such applications are the UL 800, UL 900 & UL1000s which offer tremendous amounts of light intensity, illuminating exceptionally the highest water features.

Contact us to discuss about your spectacular floating fountain.







Hollow Jet

Clear water-effect in a super-efficient way.

Hollow jet belongs to the family of smart nozzles; it shoots a crystal clear stream of water, looking perfectly solid to the eye, yet being hollow inside. This jet creates water columns twice as thick as a solid-stream nozzle using the same water capacity, making it the most efficient clear-water nozzle. The water effect varies on different spray heights - when at lower heights it creates a bell shaped water effect and at medium to higher spray heights the water pattern resembles the solid, lively effect created by smooth bore nozzles.

Hollow jets make an excellent choice for great spray heights - above 15 meters as the water capacity required is significantly less compared to the visual results. The inside – made of stainless steel – flow directors create a highly visible and stable water stream. MJ 300 can shoot water up to more than 25 meters and it is also available as a complete kit - floating or fixed.

Made of stainless steel AISI 304 (or 316 on request) for expanded life cycle, better appearance and even greater efficiency.

WIND RESISTANCE

SOUND LEVEL $\bullet \bullet \bullet \bullet \bullet$

●●●●● SPLASH ●●●●●

- Clear water effect
- Hollow stream for higher energy & water efficiency
- Significantly less water capacity required than solid-stream jets
- > Heavy duty machined construction
- Made of Stainless Steel AISI 304 (316 on request)
- > Not water level dependent
- Water supply to the jet must be linear, non-turbulent





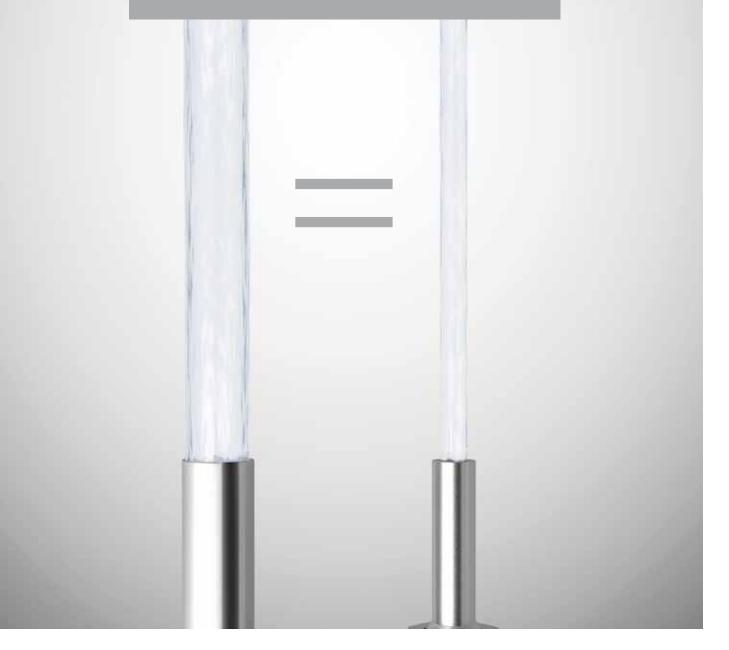
	MJ	125	MJ	150	MJ	200	MJ	300
Material			Stai	inless Steel AISI	304 (316 on requ	uest)		
Inlet BSP/NPT	1 !	/4"	1 ½"		2"		3"	
Nozzle Orifice (D in mm)	3	36		41		50		D
Dimensions (AxB in mm)	43 x	43 x 158		48 x 180		60 x 240		480
Swivel Ball Joint	Opti	onal	Opt	ional	Optional		Standard - Integrated	
Suction Strainer Openings Required (mm)	2.	0	2	.0	2	.0	2.0	
Spray Height	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]
1.0 m	59	1.9	144	2.0				
1.5 m	76	3.1	177	2.8	148	2.0		
2.0 m	86	4.4	201	3.6	173	2.9		
2.5 m	95	5.1	224	4.4	192	3.6		
3.0 m	114	6.8	246	5.2	212	4.8		
4.0 m			312	6.9	256	6.5	453	5.1
5.0 m			324	8.6	288	8.3	509	6.3
6.0 m			367	10.7	312	10.1	560	8.4
8.0 m					371	13.6	650	10.5
10.0 m							731	13.7
15.0 m							903	21.0
20.0 m							1049	28.2
25.0 m							1178	35.4

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FONTANA 285

Hollow Jets: Surprisingly Efficient Nozzles

MJ125 Hollow Jet creates a 36mm thick water column using the same amount of water as a 17mm-orifice Smooth Bore.





	MJ	400	MJ	600	
Material	Stair	nless Steel AISI 3	804 (316L on req	uest)	
Inlet	BSP/	NPT 4"	DN	150	
Nozzle Orifice (D in mm)	78 >	x 4.0	100	x 4.0	
Dimensions (AxB in mm)	220	x 630	250 :	x 743	
Swivel Ball Joint	Integra	ited ±5°	Integra	ted ±5°	
Suction Strainer Openings Required (mm)	4	.0	4.0		
Spray Height	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]	
6.0 m	441	8.5			
7.0 m	489	9.5			
8.0 m	535	11.0			
9.0 m	579	12.8			
10.0 m	707	14.0	990	12.5	
15.0 m	854	20.2	1196	18.1	
20.0 m	973	28.6	1362	23.1	
25.0 m	1120	35.0	1568	30.2	
30.0 m	1274	42.1	1784	38.2	
40.0 m			2190	61.6	
50.0 m			2607	81.7	

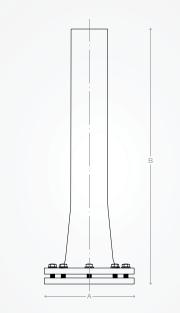
Big Hollow Jets

This special variation of Hollow Jets is designed to shoot water up to more than 80 meters high. The hollow design of the nozzle in combination with a set of flow straighteners and sturdy – all stainless steel – construction ensures that the massive water stream will be absolutely stable. In addition, these nozzles have remarkably low requirements in water supply, making them the most efficient choice for high streams.

These jets are also available as complete fixed or floating systems with the dedicated HSC Controller (with wind adaptability and VFD).

- > The efficient choice for high streams
- Superior quality construction
- Stainless Steel AISI 304 (or 316L)
- Special Control Panel for high streams available
- Extremely visible and wind stable
- Integral Flow Straighteners
- > Water Level Independent
- > Spectacular when illuminated by TheSmartLEDs
- > Available as a complete system floating or fixed

VISIBILITY ••••• SOUND LEVEL ••••• SPLASH ••••• WIND RESISTANCE •••••



Water supply to the jet must be linear, non-turbulent. Contact us for technical assistance for spray heights >50m.

FUNTENE

287



Cascade Jet

The world's most admired water feature.

The most desirable and elegant frothy water effect now is even better. The new Cascade Jet is a heavy duty Stainless Steel injector-type nozzle designed to produce a smooth, yet massive, conical shaped column of highly aerated frothy water. Water and air are mixed inside this robust jet to release a lively, highly visible and wind resistant water column. Whether used in groups or single, these nozzles provide amazing views to every public place.

The pure AISI 304 Stainless Steel construction (or 316 on request) and the inside frictionless design of Cascade Jet offer an excellent flow surface, permitting the use of energy-saving low capacity pumps. In addition, Cascade jet retains all the properties of Stainless Steel against any kind of adversities, offering stylish look, excellent impact resistance, low weight and being literally unaffected by corrosion, tarnishing or rust.

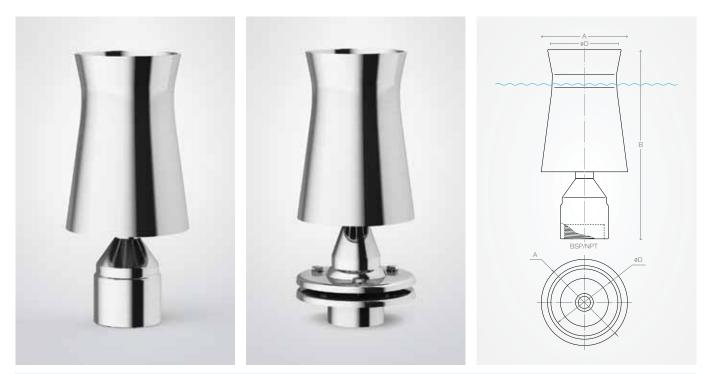
VISIBILITY ••••• WIND RESISTANCE •••• SOUND LEVEL •••• SPLASH ••••

- > Massive, Frothy water effect
- > Elegant look
- > Highly visible and wind resistant
- Made of Stainless Steel AISI 304 (316 on request)
- All models are available with integrated Swivel Ball Joint
- > Water Level Dependent Nozzle
- Water supply to the jet must be linear, non-turbulent
- Highly efficient nozzle due to the Stainless Steel frictionless inside surface



FONTANA

289



	мс	100	МС	150	мс	200	мс	300
Material			Stai	inless Steel AISI 3	304 (316 on requ	iest)		
Inlet BSP/NPT	1	"	1 1⁄2"		2"		З	³³
Nozzle Orifice (D in mm)	5	0	8	30	100		14	40
Dimensions (AxB in mm)	62 x	128	103	x 226	125 :	× 275	170 x 358	
Integrated Swivel Ball Joint ¹	Opti	onal	Opt	ional	Opti	onal	Opti	onal
Suction Strainer Openings Required (mm)	4.	.0	6	.0	8	.0	10	0.0
Spray Height	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]
0.5 m	39	1.6	63	2.0				
1.0 m	55	3.0	89	4.3	145	4.0	311	2.9
1.5 m	66	4.1	110	6.7	169	5.2	381	4.2
2.0 m	74	5.2	125	8.6	195	6.9	440	5.5
2.5 m	82	6.3	137	10.3	215	8.3	496	6.8
3.0 m	88	7.1	150	12.4	231	9.7	530	7.9
4.0 m			170	15.8	262	12.6	606	10.2
5.0 m					292	15.5	673	12.4
6.0 m					318	18.5	734	14.8
8.0 m					370	24.5	856	19.6
10.0 m					424	30.6	982	24.5
15.0 m							1197	36.8
20.0 m							1412	49.1

 $^{\rm 1}$ For integrated ±5° swivel ball joint add suffix .S | For 316 Stainless Steel add suffix .316

A tribute to Cascade Jet

The world's most admired water feature.



















FONTANA 293

















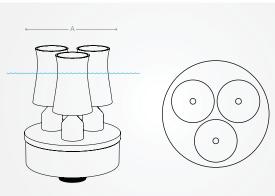




Multiple Cascade Jet

Multiple Cascade Jets fountain head is essentially 3 Cascade Jets arranged closely together with common inlet, whose foam is mixed to generate a bulky, even more massive and utterly frothy water effect, wind resistant and highly visible.



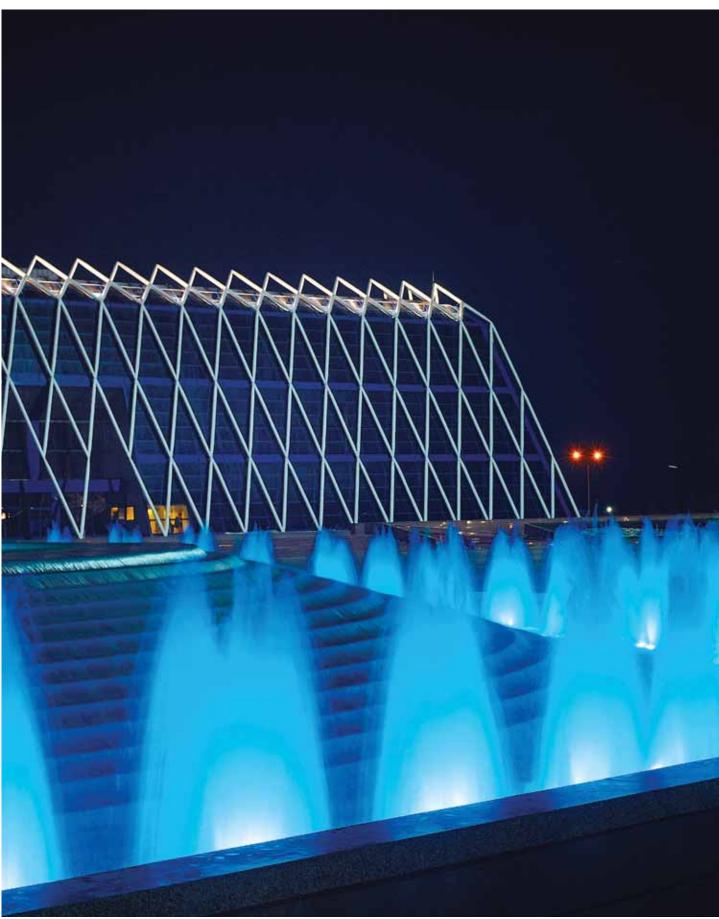


- > Utterly frothy water effect
- Elegant look
- > Highly visible and wind resistant
- Made of Stainless Steel AISI 304 (316 on request)
- > Water Level Dependent Nozzle
- Water supply to the jet must be linear, non-turbulent
- Highly efficient nozzle due to the Stainless Steel frictionless inside surface

VISIBILITY ••••• WIND RESISTANCE •••• SOUND LEVEL •••• SPLASH ••••

MODEL	Inlet	No. Of Cascades	Suction Strainer Openings	Dimensions A x B		Spray Height								
BSP/NPT		Required	(mm)		1.0	1.5	2.0	2.5	3.0	4.0	6.0	8.0	10.0	
KF 215	21⁄2"	3 x 1½"	4 mm	200 x 346	L/min Head [m]	281 4.5	348 7.0	394 9.0	431 10.8	473 13.0	522 16.0	691 20.6	1085 21.2	
KF 320	3"	3 x 2"	6 mm	250 x 410	L/min Head [m]	457 4.2	532 5.5	614 7.3	677 8.8	728 10.2	825 13.2	1002 19.4	1248 25.5	1465 31.6







Geyser Jet

Geyser jets create a massive frothy water effect similar to the Cascade jets with the main difference between the two nozzles being in their conical shape: Geyser's pattern is more slender than the Cascade's. Still, a very impressive and elegant water effect suitable for medium to large scale commercial applications, with good wind resistance and visibility ratings.

Geyser jets belong to the injector-type nozzles family and they are entirely made of stainless steel, offering excellent flow surface and extended life cycle, permitting the use of energy-saving low capacity pumps and adding to the overall efficiency of a fountain with such jets.

The Fontana Geyser Jets are water level dependent and they now ship with integrated swivel connection standard at a reduced price.

SOUND LEVEL

SPLASH .

WIND RESISTANCE

- Massive, Frothy water effect in slender conical shape
- > Highly visible and wind resistant
- Made of Stainless Steel AISI 304 (316 on request)
- > All models come standard with integrated Swivel Ball Joint
- > Water Level Dependent Nozzle
- > Water supply to the jet must be linear, non-turbulent
- Highly efficient nozzle due to the Stainless Steel frictionless inside surface

300	FUNTAN

VISIBILITY



	ME	100	ME	150	ME	200	ME	300
Material			Sta	inless Steel AISI 3				
Inlet BSP/NPT	1	33	1½"		2"		3"	
Nozzle Orifice (D in mm)	2	4	2	15	6	0	100	
Dimensions (AxB in mm)	72 x	194	103	x 264	125 :	x 333	170 :	x 480
Integrated Swivel Ball Joint	Standa	ırd ±5°	Standa	ard ±5°	Standa	ard ±5°	Standa	ırd ±5°
Suction Strainer Openings Required (mm)	6.0	mm	6.0	mm	7.0	mm	8.0	mm
Spray Height	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]	Flow [L/min]	Head [m]
0.5 m	27	1.9	65	2.5				
1.0 m	33	2.9	77	3.6	120	2.8	300	2.6
1.5 m	37	3.7	90	4.8	141	3.8	367	3.8
2.0 m	41	4.6	101	5.9	159	5	419	5
2.5 m	46	5.6	109	6.8	173	6	465	6.1
3.0 m	50	6.5	118	7.9	188	7	505	7.2
4.0 m	56	8.4	132	9.8	212	8.8	550	8.4
5.0 m	62	12	144	11.7	233	10.7	609	10.5
6.0 m			155	13.4	252	12.7	671	12.7
8.0 m			178	16.5	297	16.1	759	15.9
10.0 m					364	19.4	837	18.9
12.0 m							906	21.7
15.0 m							999	25.3
20.0 m							1133	29.8

FONTANN 301



Foam Jet

The most popular nozzle for frothy water – All Stainless Steel.

Foam jets produce a solid, foamy water column with minimum flow requirements and without the need of linear water supply. These jets have become extremely popular in the last decade being the most versatile and cost-effective solution for a multitude of applications. The highly aerated water figure created by Foam jets is not water level dependent and thus surprisingly steady and lively. In addition, these nozzles behave amazingly well to sequencing effects (choreographies) deploying their full foam effect in a fraction of a second.

A key-advantage of Foam jets is the tremendous efficiency of water supply; 77Lpm / 4.2m head are enough for a MK 125 to shoot water at 2 meters. Entirely constructed of Stainless Steel AISI 304 (or 316 on request) with male thread connection (or female on request). Foam jets are the most versatile, high performance, cost effective and durable nozzles when it comes to frothy water effects.

VISIBILITY ••••• WIND RESISTANCE •••• SOUND LEVEL •••• SPLASH ••••

- > Solid, Foamy Water
- Highly aerated
- > Amazing choreography behavior
- Heavy duty machined construction
- > Highly visible and wind resistant
- Made of Stainless Steel AISI 304 (316 on request)
- > Not water level dependent
- > Water supply to the jet must be linear, non-turbulent
- Highly efficient nozzle due to the Stainless Steel frictionless inside surface





	мк	100	мк	125	мк	150	мк	200	МК	300
Material				Stainle	ss Steel AISI	304 (316 on re	equest)			
Inlet BSP/NPT	1	33	11	/4"	1½"		2"		3"	
Nozzle's Orifice (D in mm)	2	5	32		з	39		1	7	6
Dimensions (AxB in mm)	38 x	155	45 x	170	54 x	213	63 x	230	101 x	300
Swivel Ball Joint	Opti	onal	Opti	onal	Opt	ional	Opti	ional	Opti	onal
Suction Strainer Openings Required (mm)	3	.0	3	.0	3	.0	4	.0	4.	0
Spray Height	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]
0.5 M	29.9	1.0	45	1.3						
1.0 M	37.8	1.8	56	2.3	73	2.8				
1.5 M	45.6	2.6	67	3.3	87	4.0	117	4.0	201	4.8
2.0 M	51	3.4	77	4.2	102	5.2	134	5.2	234	6.4
2.5 M	57	4.3	86	5.2	113	6.2	150	6.5	269	7.8
3.0 M	63	5.0	94	6.1	123	7.2	164	7.6	303	9.1
3.5 M	68	5.9	102	7.2	134	8.4	177	8.9	337	10.2
4.0 M	73	6.7	109	8.0	142	9.5	189	10.1	367	11.3
4.5 M			116	8.9	153	10.7	200	11.2	392	12.5
5.0 M					161	12.1	223	12.6	413	13.8
6.0 M					178	14.9	254	15.2	430	17.3
8.0 M							320	20.3	494	23.3
10.0 M									562	29.3



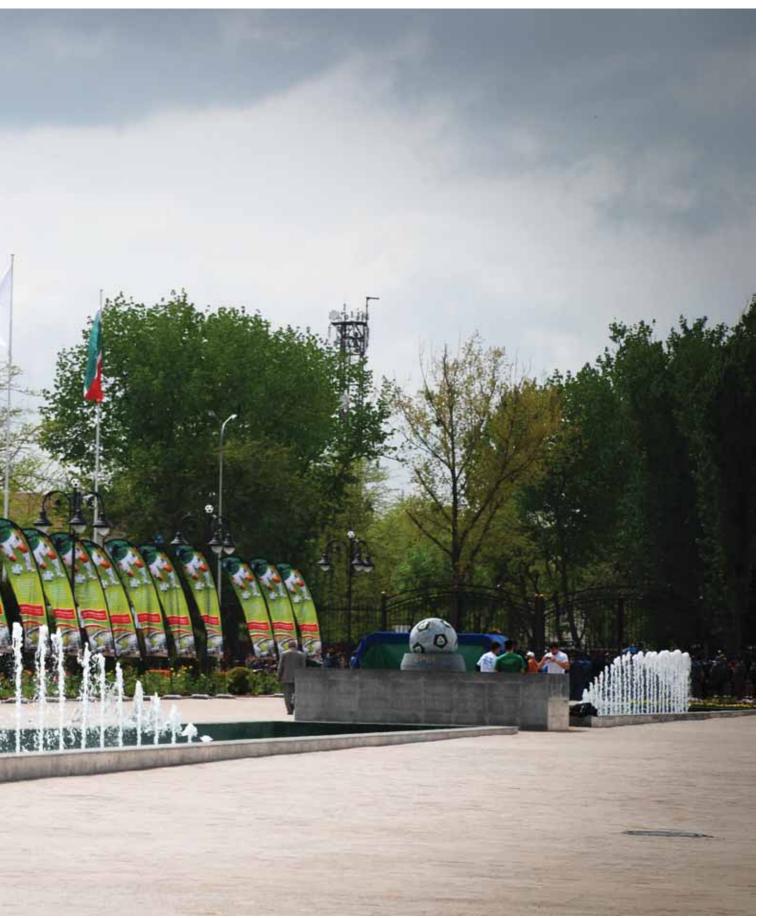
Why Foam Jets became so popular?



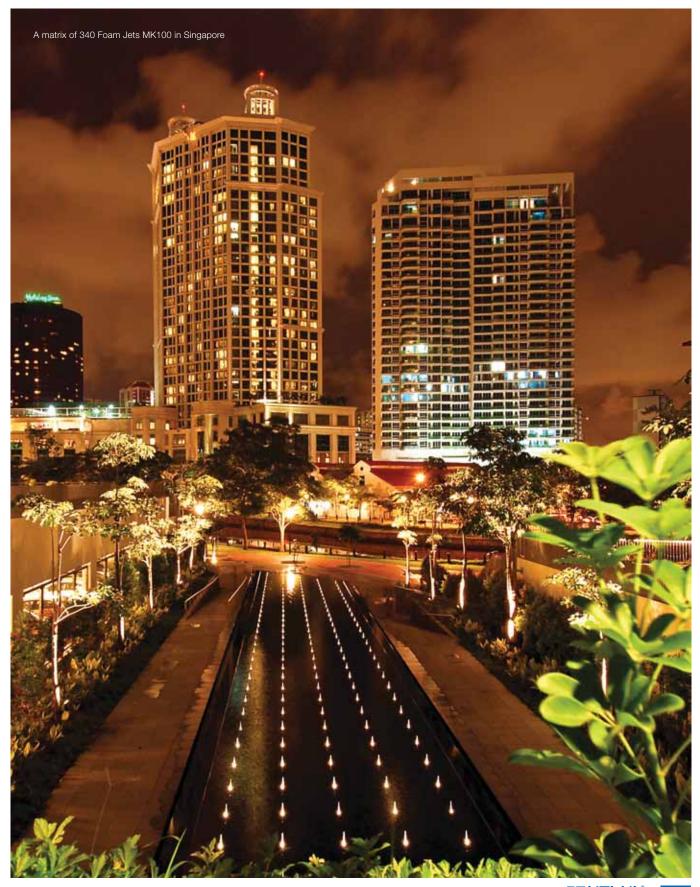












FONTANA 309



Fizz Jets

Rich foam from 10cm up to more than 10 meters

Air and water are mixed at the right proportions inside Fizz Jets to produce an utterly impressive, fizzy, foamy water column. The distinctive water shape of Fizz Jets is very rich and sturdy in spray heights of as low as 10 cm up to more than 10 meters; a highly visible and wind resistant water effect suitable to fill any scale areas with shapely, lively white water columns.

Fizz jets are water level independent nozzles, the water shape is not affected by ripples in the pool and the frothiness of each nozzle can easily be adjusted from the internal regulator. In addition, these jets are made of Stainless Steel offering stylish look, excellent impact resistance, low weight and they are remarkably efficient compared to the water effect they create making them one of the best solutions among the foamy nozzles.

- > Smooth and massive foam
- > Very rich air and water mixture
- > Very steady water pattern
- Heavy duty machined construction
- > Highly visible and wind resistant
- Made of Stainless Steel AISI 304 (316 on request)
- > Not water level dependent
- Water supply to the jet must be linear, non-turbulent
- Highly efficient nozzle due to the Stainless Steel frictionless inside surface

WIND RESISTANCE

SOUND LEVEL ••••

. ••••• SPLASH •





	MZ	050	MZ	100	MZ	150	MZ	200
Material			Stai	nless Steel AISI 3	804 (316 on requ	iest)		
Inlet BSP/NPT	1/	2"	1	"	1 1⁄2"		2"	
Nozzle Orifice (D in mm)	2	25	3	2	50		76	
Dimensions (AxB in mm)	48 x	: 113	60 x	158	80 x	197	114 x 270	
Swivel Ball Joint	Opt	ional	Opti	onal	Opti	onal	Opti	onal
Suction Strainer Openings Required (mm)	3	.0	3	.0	4.	.0	4	0
Spray Height	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]
0.5 M	42	1.6	61	1.5	125	1.2	193	1.2
1.0 M	58	3.1	83	2.7	185	2.2	259	2.1
1.5 M	70	4.4	100	4.1	217	3.0	320	3.2
2.0 M	79	6.0	115	5.4	245	3.7	369	4.3
2.5 M	91	8.0	127	6.3	272	4.6	417	5.4
3.0 M	100	9.2	138	7.6	296	5.4	454	6.5
3.5 M			149	8.8	317	6.3	493	7.3
4.0 M			163	10.1	340	7.1	550	7.7
4.5 M					365	8.1	585	8.8
5.0 M					384	8.9	612	9.8
6.0 M					426	11.0	670	11.7
8.0 M							793	13.9
10.0 M							877	15.7





Aerating Jets

The renowned white water nozzle became Stainless Steel.

Aerating Jets create a rigid, frothy column of water. These nozzles have a long, admired history being extremely popular over the past years mainly due to the fact that they are the most efficient foam-creating nozzles. The inner design of Aerating Jets makes excellent use of water flow to transform it to foam. The air-water mixture is easily adjusted, offering a highly customizable water pattern. Fixing the outer sleeve higher makes the mixture richer in air and thus a frothier but shorter effect is created. By lowering it, a higher but leaner stream is achieved.

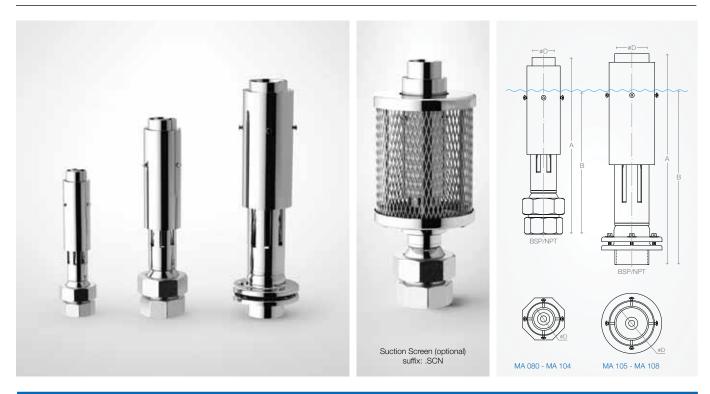
Aerating jets are now constructed of AISI 304 stainless steel or 316 on request, making them an ideal solution for a customizable, super-efficient, low cost, long lasting frothy fountain.

The handy suction screen accessory is made of stainless steel as well and it is highly recommended to prevent debris from clogging the nozzle's air intakes.

VISIBILITY ••••• WIND RESISTANCE •••• SOUND LEVEL •••• SPLASH ••••

- Rigid & frothy column of water
- Super-Efficient nozzle
- > Customizable water effect
- Made of Stainless Steel AISI 304 & brass (316 on request)
- Integrated swivel ball joint standard for all models
- > Water level dependent nozzle
- > Water supply to the jet must be linear, non-turbulent





	MA	080	MA	102	MA	103	MA	104	МА	105	MA	107	MA	108	MA	110
Material						Stainle	ss Steel	AISI 304	& Brass (316 on re	equest)					
Inlet BSP/NPT	3/2	, " 1	1	33	1"		1	1 ½"		2"		3"		4"		100
Nozzle's Orifice (D in mm)	1	8	2	4	2	9	4	41		62	6	9	80		102	
Dimensions (A B in mm)	210	150	250	185	280	210	345	265	400	300	510	380	565	430	640	456
Threaded Swivel	Male	±15°	Male	±15°	Male	±15°	Male	±15°	Fema	le ±5°	Fema	le ±5°	Fema	le ±5°	Flar	nge
Suction Strainer Openings Req. (mm)	2	.0	3	.0	3.	.0	4	.0	4	.0	5	.0	10).0	10	0.0
Spray Height	Flow [L/min]	Head [M]														
1.0 M	13	5.0	23	4.8												
2.0 M	22	12.8	34	7.8	39	5.4	51	4.4	83	4.2						
3.0 M	27	20.4	43	12.5	61	10.3	71	7.3	99	5.2						
4.0 M	33	31.2	51	19.3	66	12.8	82	9.8	132	8.3						
5.0 M			61	24.3	75	18.3	92	13.2	146	11.3						
6.0 M			67	30.0	77	19.7	105	18.3	169	14.3						
8.0 M			77	40.0	101	30.0	113	21.4	200	18.1	498	22.9				
10.0 M			87	50.0	118	41.8	143	31.4	236	26.5	532	25.3				
15.0 M					153	68.0	185	53.8	294	43.5	589	30.3	748	27.3	1415	24.3
20.0 M									351	65.8	683	42.5	919	39.8	1598	33.1
25.0 M									428	85.3	779	56.8	1086	51.8	1878	43.7
30.0 M											917	73	1183	64.3	2088	52.5
35.0 M											1011	89.7	1365	93.5	2280	63.7

FONTANN 313











Bubbler

Rich foam, Highly Visible, Wind Resistant.

Bubbler jet creates a solid, foamy and bulky water mound at lower heights which becomes scattered but still massive, highly aerated and visible at greater spray heights. This kind of nozzles are placed underwater and the water effect depends on surface ripples in addition to how deep the nozzle is installed.

The theory behind Bubbler is taking in air by the snorkel(s), mixing it with water flowing inside the nozzle, pressurizing and directing the mixture upwards which is then enriched by the water above the nozzle, resulting in the unique "bubbler effect" - a wider cascade effect.

Bubbler jets are made entirely of stainless steel AISI 304 (or 316 on request).

WIND RESISTANCE ••••

SOUND LEVEL ••••

SPI ASH •

- Foamy & bulky water mound
- > Very rich air and water mixture
- > Highly visible and wind resistant
- > Heavy duty machined construction
- Made of Stainless Steel AISI 304 (316 on request)
- Water level dependent nozzle
- Water supply to the jet must be linear, non-turbulent
- Highly efficient nozzle due to the Stainless Steel frictionless inside surface

> 4" Bubbler is also available (MP 400)





		150 Snorkel		200 Snorkel	MP 300 Double Snorkel		
Material			Stainless Steel AISI	304 (316 on request)			
Inlet BSP/NPT	1½"		2		3"		
Nozzle Orifice (D in mm)	4	1	5	3	81		
Dimensions A B C E F	190 365 5	6 125 135	210 430 6	69 75 180	355 527 1	04 75 242	
Swivel Ball Joint	Opt	onal	Opt	ional	Opti	onal	
Suction Strainer Openings Required (mm)	5	.0	6	.0	8.	.0	
Spray Height	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	
0.5 M	127	2.0					
1.0 M	165	3.3	237	2.7	474	3.3	
1.5 M	195	4.5	280	3.7	560	4.6	
2.0 M	221	5.6	316	4.6	634	5.9	
2.5 M	242	6.7	356	5.8	678	6.8	
3.0 M	266	8.2	386	6.8	741	8.1	
4.0 M	293	10.2	439	8.9	866	11.1	
5.0 M	307	12.2	477	11.0	1016	13.5	
6.0 M			502	13.1	1153	16.2	
8.0 M					1426	21.8	
10.0 M					1700	27.7	
12.0 M					1973	33.8	
14.0 M					2247	40.2	

FONTANN 317



Fan Jet

Fan jet is categorized under the truly impressive and charming water shapes. Its nothing-alike 6.0 mm thick water-film pattern catches everybody's attention in all kinds of applications. The Fan jet is manufactured entirely of 304 Stainless Steel (or 316 on request) and it is one of the best choices for side-water features.

Fan jet's water effect is displayed best in lower heights and at angles between 35-90 degrees off horizontal axis. For uniform illumination choose wide angle LED luminaires and place them close to the jets pointing at the middle of the stream.

Fan jets are water level independent and water supply must be linear, non-turbulent.

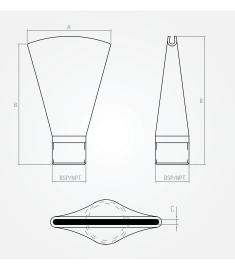
WIND RESISTANCE $\bullet \bullet \bullet \bullet \bullet$

SOUND LEVEL ●●●●●

- > Truly impressive water shape
- > Unique water film look
- > Perfect for side-water features
- Made of Stainless Steel AISI 304 (316 on request)
- > Not water level dependent
- > Water supply to the jet must be linear, non-turbulent
- Highly efficient nozzle due to the Stainless Steel frictionless inside surface







OPTIONS / ADD-ONS

- > AISI 316 Stainless Steel Construction
- Integrated Swivel Connection for directional adjustment of the nozzle

NOTES

- > Water Level Independent Nozzle
- > Water supply to the jet must be linear, non-turbulent

		ML 1	00			ML 1	50		
Material	Entirely	/ AISI 304 Stainless	Steel (316 on	request)	Entirely AISI 304 Stainless Steel (316 on request)				
Inlet BSP/NPT		1"			1½"				
Nozzle's Orifice (C in mm)		4				6			
Dimensions (AxB in mm)		83 x ⁻	120			113 x	166		
45° elbow		Includ	led			Incluc	led		
Suction Strainer Openings Required (mm)		3.0)			8.0)		
Spray Length	Height / Spread [m]	Spread at Max. Height [m]	Flow [L/min]	Head [M]	Height / Spread [m]	Spread at Max. Height [m]	Flow [L/min]	Head [M]	
0.5 M	0.18 / 0.25	0.20	40.6	0.4	0.20/0.24	0.17	71.3	0.5	
1.0 M	0.32 / 0.50	0.34	64.3	1.0	0.35 / 0.44	0.33	106.5	0.8	
1.5 M	0.46 / 0.80	0.52	83.6	1.6	0.45 / 0.70	0.50	137.4	1.2	
2.0 M	0.59 / 1.10	0.70	90.0	2.2	0.60 / 0.95	0.70	162.3	1.6	
2.5 M	0.70 / 1.43	0.87	109.8	2.8	0.70 / 1.05	0.80	186.3	2.0	
3.0 M	0.85 / 1.80	0.98	123.3	3.4	0.87 / 1.35	1.00	207.1	2.5	
3.5 M					1.00 / 1.68	1.10	229.6	2.9	
4.0 M					1.18 / 1.78	1.20	368.3	3.3	

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FONTANA 319



Finger

Finger jets produce a finger-like water pattern which is perfect for perimetrical installation in pools usually accompanying larger water effects. All models can be installed horizontally or vertically and a 45° elbow is included. The water pattern produced by these jets is particularly interesting in every possible angle, so a swivel ball joint is a handy add-on. Finger jets are equipped with 11 or 21 prefixed nozzles in one or two rows and there are three more flexible versions with one row of 9 or 7 adjustable smooth bore nozzles.

Finger jets are made of stainless steel and the nozzles are made of brass, nickel plated, they are water level independent and fine screening at the pump is required.

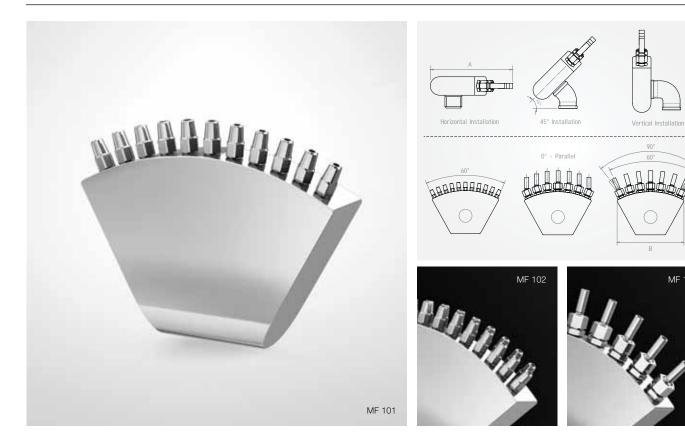
- > Finger-shaped clear water effect
- > Distinctive water pattern
- Made of Stainless Steel AISI 304 (316 on request)
- > With prefixed or adjustable nozzles
- > Not water level dependent
- Water supply to the jet must be linear, non-turbulent

VISIBILITY ••••• WIND RESISTANCE •••• SOUND LEVEL •••• SPLASH •••



Fountain Heads | Clear Water | Finger

MF 117



			MF	101	MF	102	MF	109	MF	117	MF	157
		Material			Stainless St	eel AISI 304 (or 316 on req	uest) with Bra	ss, Nickel-pla	ted Nozzles		
	Inlet	BSP/NPT	1	"	1"		1"		1"		13	′2"
Dime	ensions (A)	(B in mm)	130>	130 x 170		130 x 170		x 170	160 >	x 170	192 >	(190
	Sp	ray Angle	60	60°		60°		90°	0° -	90°	0° -	90°
	Noz	zles Type	Prefixed		Pref	ixed	Adjus	stable	Adus	table	Adjus	table
	Nozz	les Specs	11 x Ø4	11 x Ø4.0mm		4.0mm	9 x Ø4	I.Omm	7 x Ø6	6.0mm	7 x Ø10	0.0mm
	4	45° elbow	Inclu	Included		ıded	Included		Included		Included	
Suctio	Suction Strainer Openings Required (mm) 2.0		0	2.0		2.0		3.0		5.0		
Spray Length (m)	Spray Height (m)	Spread at fall (m)	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]
1.0	0.2	1.5	21.4	0.8	45.4	1.4	20.7	0.9	35.3	1.2	101	0.7
1.5	0.3	2.0	26.4	1.1	54.2	1.9	25.5	1.3	42.5	1.7	127	1.0
2.0	0.4	2.4	31.2	1.5	62.0	2.4	28.9	1.6	50.4	2.2	147	1.3
2.5	0.5	2.8	35.9	1.9	89.7	3.0	32.8	2.0	57.4	2.8	170	1.8
3.0	0.65	3.25	40.1	2.3	77.1	3.7	36.3	2.4	63.7	3.2	182	2.1
3.5	0.75	4.0	43.2	2.6	83.8	4.3	39.2	2.8	69.2	3.8	200	2.4
4.0	0.85	4.15	46.3	3.0	91.0	5.0	43.5	3.3	74.2	4.3	225	2.9
5.0	1.0	4.75	53.5	4.0	103.5	6.5	48.9	4.1	82.5	5.4	245	3.6

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FONTANA 321



Cluster

Cluster creates a clear-water vertical stream through an array of smaller nozzles pointing straight up. The housing of these fountain heads is made entirely of 304 Stainless Steel (or 316 on request) for enhanced aesthetics and extended life cycle. The smaller model (KD 101) is made of solid unibody with hole jets, being an ideal solution for dry-deck fountains as they are totally flat to the surface and the maximum opening is 3mm - totally safe for childrens' feet. Larger models are equipped with prefixed stainless steel (grade 316L) jets for easier installation and durability.

Cluster fountain heads are water level independent and the use of swivel ball joints is recommended to achieve perfect verticality.

SOUND LEVEL ...

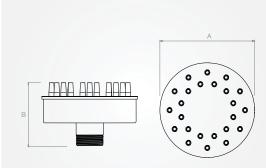
SPLASH ...

WIND RESISTANCE ••••

- > Clear-water solid stream
- > Lively & impressive effect
- KD 101 is made of stainless steel solid unibody with hole jets – ideal for dry-deck fountains
- Minimum flow capacity required
- Larger models made of 304 stainless steel housing with prefixed nozzles made of 316L stainless steel
- > Water level independent
- Use of swivel ball joints is recommended

VISIBILITY •





OPTIONS / ADD-ONS

- Entirely AISI 316 Stainless Steel Construction
- Swivel Connection for directional adjustment

NOTES

- > Water Level Independent Nozzle
- > Water supply to the jet must be linear, non-turbulent

	KD	101	KD	115	KD	220	KD	240	KD	245
Material	Stainless 304 uniboo jets (316 c	ly with hole	Stainless \$	Steel AISI 304	l body with Al	SI 316L Stain	less Steel pre	fixed nozzles	(entirely 316 o	n request)
Inlet BSP/NPT	1	33	11	/4"	2		4	."	4	33
No of Nozzles / Nozzles' Orifice (mm)	12/3.0 60 × 70 2.0 Flow Head [L/min] [M] 19.3 0.7		12 /	6.0	24 /	6.0	57 /	6.0	57 /	8.0
Dimensions (AxB in mm)	2.0 Flow Head [L/min] [M]		118 >	125	175 :	x 130	258	x 185	308 >	× 230
Suction Strainer Openings Required (mm)	Flow Head [L/min] [M] 19.3 0.7		3	.0	3	.0	3	.0	4	.0
Spray Height	Flow Head [L/min] [M]		Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]
0.5 M	19.3 0.7		74	0.9	149	0.9	353	0.9	584	0.9
1.0 M	25.2 1.6		112	1.6	225	1.6	534	1.6	811	1.6
1.5 M	25.2 1.6 30.8 2.3		126	2.3	252	252 2.3		2.4	1006	2.4
2.0 M	25.2 1.6 30.8 2.3		143	3.0	285	285 3.1		3.1	1164	3.2
2.5 M	39.1	3.6	160	3.8	320	3.8	761	3.8	1295	4.0
3.0 M	43.9	4.4	176	4.6	352	4.6	836	4.7	1433	4.9
3.5 M			192	5.4	383	5.5	910	5.6	1555	5.6
4.0 M			210	6.4	419	6.4	996	6.5	1661	6.6
4.5 M			222	7.2	443	7.3	1052	7.4	1771	7.4
5.0 M			237	8.6	474	8.7	1125	8.8	1867	8.3
6.0 M			254	9.4	508	9.5	1205	9.6	2082	10.2
8.0 M					564	12.9	1340	13.1	2251	13.3



Fleur de Lis

A three tiered flower-like pattern of clear water is produced by Fleur de Lis fountain heads. The ability of these fountain heads to fill large areas with the shapely design of Fleur de Lis in combination with remarkably minimal supply requirements has made them extremely popular for applications ranging from small residential to large commercial fountains.

Fleur de Lis fountain heads are made in smaller models entirely of 304 stainless steel unibody with hole jets for safer dry-deck installation, enhanced aesthetics and extended life-cycle. Larger models' housing is made of 304 stainless steel and they are equipped with adjustable smooth bores made of brass - nickel plated for design flexibility as the angle of the nozzles can be easily adjusted on site.

All Fleur de Lis fountain heads are water level independent. For the unibody models a swivel ball joint is recommended for quicker installation (for larger models there is no such need as the nozzles are adjustable).

- > Flower-like 3-tier water pattern
- > Clear water streams
- > Models with hole or adjustable jets
- Larger models feature tier angle adjustment
- Stainless Steel AISI 304 body with brass nickel-plated nozzles (entirely 316 on request)
- Quick & easy installation
- Removable cap for easy cleaning
- Fine screening of water supply is required
- > Water level independent

VISIBILITY •••

WIND RESISTANCE

SOUND LEVEL ••••

L ●●●●● SPLASH ●●●●●





With hole jets

We have redesigned the fountain heads range from the ground up for optimum performance, excellent corrosion resistance and energy efficiency. The smaller models are now made entirely of AISI 304 stainless steel (or 316 on request) solid unibody with hole jets. The holes are precisely machined by CNC machines at the exact angle required depending on the model or in custom angle on request.

The thickness of the top cover is adequate enough to create perfectly formed streams while keeping weight low. In addition, the remarkable quality of the 60-bar machining process makes a totally frictionless surface for water to flow through, requiring less powerful pumps to achieve the same height and essentially cutting energy costs.

This solid unibody stainless steel construction makes these heads look beautiful but most importantly, it makes them invulnerable to corrosion. The hole jets will never lose their excellent form and they will be spraying perfectly-formed streams for years to come, as the orifice and the inside structure of the nozzles won't be ruined by corrosion.

- > Excellent flow performance
- Solid unibody made of Stainless Steel AISI 304 (or 316 on request)
- Energy efficiency due to the frictionless surface inside the hole jets
- Precisely engineered and machined by CNC machines
- > Easy opening for cleaning
- > Spray Angle is not adjustable



With adjustable smooth bore jets

Larger models are equipped with adjustable Smooth Bore nozzles. Every nozzle incorporates a flow straightener¹ to create even greater stream quality while requiring less powerful pumps.

The tier angle is easily adjustable by swiveling the Smooth Bore nozzles, creating from taller and thinner to wider and lower water patterns. In addition, the top cover of the housing is easily removed for cleaning.

The housing is made of AISI 304 stainless steel (or 316 on request) for excellent corrosion & impact resistance and the nozzles are made of brass, nickel-plated or stainless steel on request (304 or 316).

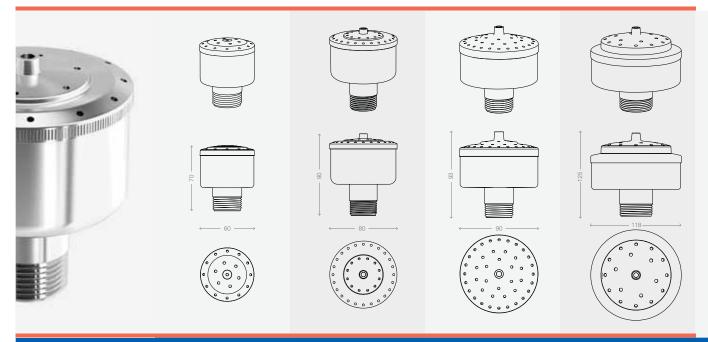
There is a wide selection of Fleur de Lis fountain heads ranging from 19 to 37 nozzles with various nozzle orifices, but custom heads can be manufactured to match specific requirements.

¹ Read more about flow straighteners on page 277

- Excellent flow performance with flow straighteners inside the nozzles¹
- Easily adjustable spray angle
- Brass, Nickel-plated nozzles with swivel adjustability of 15°
- > Housing made of Stainless Steel AISI 304 (or 316 on request)
- Energy efficiency due to the frictionless surface inside the hole jets
- Easy opening for cleaning

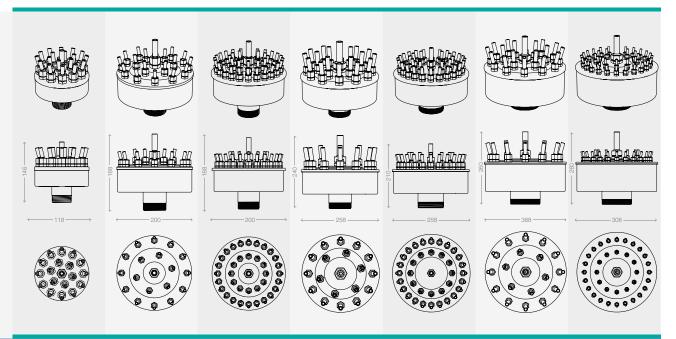


With Hole Jets



	кс	101	кс	105	кс	110	кс	115	
Material			Entirely	Stainless Steel	AISI 304 (316 on r	equest)			
Inlet BSP/NPT	1	"	1	"	1	39	11	<i>4</i> "	
No of Nozzles (from center outwards)	1 1/6	9 / 12	3 1 / 12	17 2 / 24	4 1 / 6 / 1		1 1 / 6	9 /12	
Nozzles' Orifice (mm)	4.0/3	0/3.0	6.0/3	.0/3.0	6.0 / 3.0 /	/ 3.0 / 3.0	6.0 / 4	.0 / 4.0	
Dimensions (DxH in mm)	60 ;	< 70	80 :	× 90	90 >	(93	118 :	× 125	
Suction Strainer Openings Required (mm)	2	.0	2	.0	2.	0	2	.0	
Spray Height	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	
0.5 M	23.1	0.9	33.1	0.8	39.1	0.7	36.1	0.9	
1.0 M	29.6	1.7	47.6	1.5	55.1	1.4	51.3	1.7	
1.5 M	35.8	2.5	59.7	2.3	69.7	2.2	63.1	2.4	
2.0 M	40.9	3.3	69.2	3.0	81.3	2.9	72.1	3.1	
2.5 M	46.0	4.1	78.0	3.8	90.3	3.6	81.0	3.9	
3.0 M	50.3	4.9	86.3	4.6	101.1	4.5	89.4	4.7	
4.0 M	58.8	6.6	100.9	6.1	117.1	6.1	108.0	5.8	
5.0 M									
6.0 M									
8.0 M									
10.0 M									
12.0 M									

With Adjustable Smooth Bore Nozzles



KC 201	KC 220	KC 221	KC 230	KC 231	KC 240	KC 241

Stainless Steel AISI 304 Body with Brass Nickel Plated Nozzles (Entirely 316 Stainless Steel on request)

	11	/4"	2	33	2	3 3	21⁄	2"	3	33	4	33	4	0
		9 6712	1 1/6		3 1 / 12		19 1 / 6		3 1 / 12		19 1 / 6		37 1 / 12	
	6.0/4	.0 / 4.0	10.0/6	6.0 / 6.0	10.0/4	.0/4.0	12.0/8	.0/8.0	10.0/6	6.0 / 6.0	14.0 / 12	.0 / 12.0	14.0/8	.0 / 8.0
	118:	x 146	200>	k 188	200 >	188	258 ×	240	258 >	× 210	308 ×	260	308 x	260
	2	.0	3.	.0	2.	0	4.	0	3.	.0	6.	0	4.	0
	Flow [L/min]	Head [M]												
0.5 M														
1.0 M														
1.5 M	58	1.9	141	2.2	126	2.2	235	1.9	254	2.2	499	2.0	448	1.9
2.0 M	71	2.6	171	3.1	151	3.1	285	2.6	310	3.1	623	2.5	545	2.6
2.5 M	80	3.2	191	3.8	171	3.8	322	3.4	346	3.8	694	3.3	618	3.4
3.0 M	89	3.9	215	4.4	189	4.4	362	4.0	391	4.4	782	3.8	694	4.0
4.0 M	100	5.3	243	6.0	215	6.0	406	5.4	437	6.0	867	5.2	775	5.4
5.0 M			269	7.8	237	7.8	450	6.8	484	7.8	964	6.6	862	6.8
6.0 M			299	9.5	265	9.5	508	8.1	539	9.5	1047	8.1	951	8.1
8.0 M			327	12.1			565	10.2	587	12.7	1097	10.8	993	10.7
10.0 M							622	13.7	626	16.5	1158	13.8	1040	13.4
12.0 M							683	16.4	665	20.3	1218	16.8	1087	16.1

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FONTANA 327



328 FONTANA



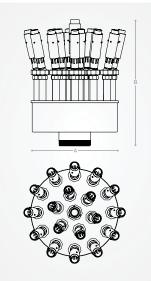
Fleur de Lis

With Adjustable Aerating Nozzles

The popular Fleur de Lis water pattern is also available with frothy, white water Aerating jets. The water effect created is massive and highly visible from long distances both at sunlight and at night when illuminated with vivid LED luminaires. This version of Fleur de Lis is made of 304 stainless steel and brass or entirely 316 stainless steel on request. The use of Aerating jets permits easy adjustment and fine-tuning of the angle of each tier on site.

- > Flower-like 3-tier water pattern
- > Frothy water streams
- > Highly visible & wind resistant
- > Tier angle is adjustable
- Stainless Steel AISI 304 and brass (entirely 316 on request)
- Fine screening of water supply is required
- > Water level dependent





	KP	300	KP	350	KP	400	
Material		Stainless	304 (316 or	n request)			
Inlet BSP/NPT	3	33	4	"	6	, 1 3	
No of Nozzles (from center outwards)	1 1/6	-	1 1/6	-	1 1/6	9 /12	
Dimensions (AxB in mm)	250 >	< 280	300 >	345	300 x 400		
Suction Strainer Openings Required (mm)	3.	.0	4	0	5.	.0	
Spray Height	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	
3.0 M	283	14.3	733	12.9	1223	11.4	
4.5 M	437	18.7	892	18.1	1488	16.7	
6.0 M	557	22.8	1020	19.0	1700	21.0	
9.0 M			1242 26.7		2070	28.8	
12.0 M					2370	39.0	

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Bouquet

Bouquet fountain heads produce a two tiered fountain of clear water similar to Fleur de Lis, yet even more efficient. Sharing the same construction characteristics with Fleur de Lis heads, the smaller Bouquets are made entirely of 304 stainless steel unibody with hole jets for enhanced aesthetics and extended life-cycle, while larger models' housing is made of 304 stainless steel and they are equipped with 316 stainless steel prefixed nozzles and adjustable smooth bores made of brass - nickel plated for design flexibility as the angle of the nozzles can easily be adjusted on site.

Bouquet fountain heads are water level independent. For the unibody models a swivel ball joint is recommended for quicker installation (for larger models there is no such need as the nozzles are adjustable).

- > Two tier water pattern
- > Clear water streams
- > Models with hole or adjustable jets
- Larger models feature tier angle adjustment
- Stainless Steel AISI 304 body with brass nickel-plated nozzles (entirely 316 on request)
- Quick & easy installation
- Removable cap for easy cleaning
- Fine screening of water supply is required
- > Water level independent

WIND RESISTANCE

SOUND LEVEL ••••

SPLASH OOOO





With hole jets

We have redesigned the fountain heads range from the ground up for optimum performance, excellent corrosion resistance and energy efficiency. The smaller models are now made entirely of AISI 304 stainless steel (or 316 on request) solid unibody with hole jets. The holes are precisely machined by CNC machines at the exact angle required depending on the model or in custom angle on request.

The thickness of the top cover is adequate enough to create perfectly formed streams while keeping weight low. In addition, the remarkable quality of 60-bar machining makes a totally frictionless surface for water to flow through, requiring less powerful pumps to achieve the same height and essentially cutting energy costs.

This solid unibody stainless steel construction makes these heads look beautiful but most importantly, it makes them invulnerable to corrosion. The hole jets will never lose their excellent form and they will be spraying perfectly-formed streams for years to come, as the orifice and the inside structure of the nozzles won't be ruined by corrosion.

- Excellent flow performance
- Solid unibody made of Stainless Steel AISI 304 (or 316 on request)
- > Energy efficiency due to the frictionless surface inside the hole jets
- > Precisely engineered and machined by CNC machines
- Easy opening for cleaning
- Spray Angle is not adjustable



With adjustable smooth bore jets

Larger models are equipped with adjustable Smooth Bore nozzles. Every nozzle incorporates a flow straightener¹ to create even greater stream quality while requiring less powerful pumps.

The tier angle is easily adjustable by swiveling the Smooth Bore nozzles, creating from taller and thinner to wider and lower water patterns. In addition, the top cover of the housing is easily removed for cleaning.

The housing is made of AISI 304 stainless steel (or 316 on request) for excellent corrosion & impact resistance and the nozzles are made of brass, nickel-plated or stainless steel on request (304 or 316).

There is a wide selection of Bouquet fountain heads ranging from 13 to 25 nozzles with various nozzle orifices, but custom heads can be manufactured to match specific requirements.

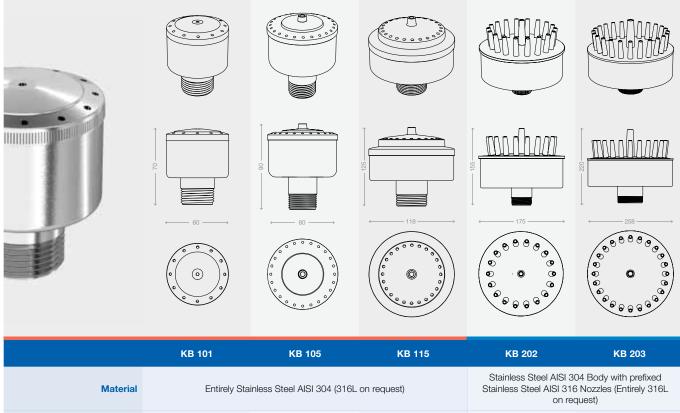
¹ Read more about flow straighteners on page 277

- Excellent flow performance with flow straighteners inside the nozzles¹
- Easily adjustable spray angle
- Brass, Nickel-plated nozzles with swivel adjustability of 15°
- Housing made of Stainless Steel AISI 304 (or 316 on request)
- Energy efficiency due to the frictionless surface inside the hole jets
- Easy opening for cleaning



With Hole Jets

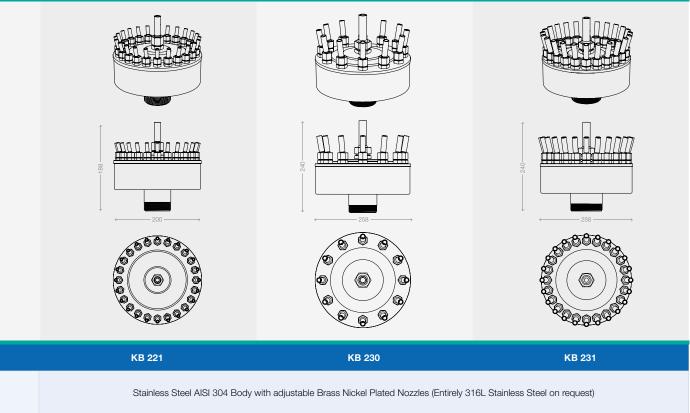
With Prefixed Stainless Steel AISI 316L Nozzles



Material		Entirely Sta	inless Steel A	ISI 304 (316L	on request)		Stainless	Steel AISI 316 on red		irely 316L	
Inlet BSP/NPT	1	33	-	1"	13	/4"	2		3	"	
No of Nozzles (from center outwards)		3 12		25 7 24		5 24	1 1 /	9 18		5 24	
Nozzles' Orifice (mm)	4.0	/ 3.0	6.0	/ 3.0	6.0 /	/ 4.0	8.0	6.0	14.0	/ 8.0	
Dimensions (DxH in mm)	60 :	x 70	80	x 90	118 >	x 125	175 :	x 155	258 :	× 220	
Suction Strainer Openings Required (mm)	2	.0	2	.0	2	.0	3	.0	4	.0	
Spray Height	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	
0.5 M	17.1	0.7	32.2	0.8	49.1	1.0					
1.0 M	21.8	1.3	44.8	1.5	70.6	1.9	123	1.5	286	1.3	
1.5 M	27.1	2.0	55.2	2.1	87.8	2.8	150	2.3	348	2.0	
2.0 M	31.8	2.7	65.7	2.9	102.9	3.8	188	3.1	442	2.5	
2.5 M	36.1	3.4	74.7	3.7	116.1	4.8	208	3.9	487	3.3	
3.0 M	39.7	4.1	82.6	4.4	127.7	5.6	221	4.8	525	3.8	
3.5 M	42.9	4.7	89.2	5.1	138.3	6.7	237	5.1	566	4.6	
4.0 M	47.0	5.6	94.9	5.8	150.0	7.7	251	5.5	598	5.2	
5.0 M	53.0	7.1	102.8	7.3	166.8	9.7	279	6.4	665	6.6	
6.0 M							323	8.1	754	8.1	
8.0 M											

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With Adjustable Smooth Bore Nozzles



2" 3" 3" 25 13 25 1/24 1/12 140/100	
1/24 1/12 1/24	
8.0 / 4.0 14.0 / 10.0 14.0 / 10.0	
200 x 188 258 x 240 258 x 240	
2.0 5.0 5.0	
FlowHeadFlowHeadFlowHead[L/min][M][L/min][M][M]	
0.5 M	
1.0 M 70 1.3 235 1.3 413 1.3	
1.5 M 85 1.9 286 2.0 505 1.9	
2.0 M 108 2.6 367 2.5 656 2.6	
2.5 M 120 3.4 407 3.3 723 3.2	
3.0 M 130 4.0 444 3.8 789 3.9	
3.5 M 140 4.8 469 4.6 833 4.6	
4.0 M 148 5.4 499 5.2 884 5.3	
5.0 M 167 6.8 548 6.6 966 6.8	
6.0 M 189 8.1 622 8.1 1111 8.3	
8.0 M 719 9.5	

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FONTANNS 333



Lily

Lily fountain head creates a shapely, outwards falling, growing ring of clear water that is highly visible and provides relatively good wind stability. It can be used as the main water pattern in a fountain or an array of Lilies can serve as secondary water effects deriving a magnificent view to both residential and large scale commercial applications.

The housing of these fountain heads is made entirely of 304 Stainless Steel (or 316 on request) for enhanced aesthetics and extended life cycle. The smaller models are made of solid unibody with hole jets, being an ideal solution for dry-deck fountains as they are totally flat to the surface and the maximum opening is 4mm - totally safe for childrens' feet. Larger models are equipped with prefixed stainless steel (grade 316L) jets for durability and easier installation. All Lily fountain heads are water level independent.

- > Outwards falling water ring
- > Clear water streams
- > Models with hole or prefixed jets
- Stainless Steel AISI 304 body with 316L nozzles (entirely 316 on request)
- Quick & easy installation
- Removable cap for easy cleaning
- Fine screening of water supply is required
- > Water level independent

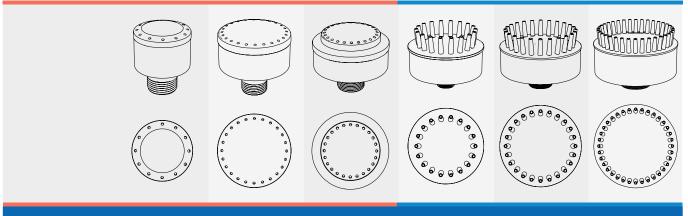
VISIBILITY ••••• WIND RESISTANCE •••• SOUND LEVEL •••• SPLASH ••••





With Hole Jets

With Prefixed Stainless Steel AISI 316L Nozzles



	KA	101	KA	105	KA	110	KA	202	KA	203	KA	204		
Material			s Steel AISI tirely AISI 31				Stainle		SI 304 Body Prefixed Itirely AISI 31	Nozzles		s Steel		
Inlet BSP/NPT	1	"	1	"	11	4"	2		3)"	4	"		
No of Nozzles	1	2	2	4	2	4	1	8	24		3	6		
Nozzles' Orifice (mm)	3	.0	3.	.0	4.0		6.0		8.0		8	0		
Dimensions (DxH in mm)	60 x 70		90 >	< 90	118 x 125		175 x 130		258 x 211		308 >	230		
Suction Strainer Openings Required (mm)	2.0		2.0		2.	.0	2	.0	3	.0	4.	.0	4	0
Spray Height	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]		
0.5 M	18.8	0.9	31.9	0.8	56	0.9	111	0.9	246	0.8	369	0.8		
1.0 M	23.8	1.4	46.5	1.6	82	1.8	169	1.6	341	1.5	512	1.5		
1.5 M	29.7	2.1	57.4	2.3	102	2.7	189	2.3	424	2.3	636	2.3		
2.0 M	34.4	2.8	66.2	3.0	120	3.7	214	3.0	490	3.1	735	3.1		
2.5 M	38.6	3.4	74.3	3.8	129	4.3	240	3.8	545	3.9	818	3.9		
3.0 M	43.2	4.3	82.0	4.7	151	5.7	264	4.6	603	4.8	905	4.8		
3.5 M	47.6	5.2	91.1	5.7			276	5.0	629	5.1	944	5.1		
4.0 M							287	5.4	655	5.5	982	5.5		
5.0 M							315	6.4	699	6.4	1049	6.4		
6.0 M							355	8.6	786	8.1	1179	8.1		

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FONTANNA 335



Foamy Column

One of the most massive, frothy and utterly visible water effects is created by the Foamy Column fountain heads. A very dense array of smaller jets shoots water straight up with enormous pressure, producing an incredibly frothy column of white water. This distinctive water shape is highly visible both in sunlight and at night when illuminated by vivid LED luminaires, and it provides the highest possible wind stability.

The housing is made of stainless steel and it is equipped with prefixed stainless steel (grade 316L) jets for durability and easier installation. All Foamy Column fountain heads are water level independent and it is recommended to use swivel ball joints to achieve perfect verticality.

SOUND LEVEL

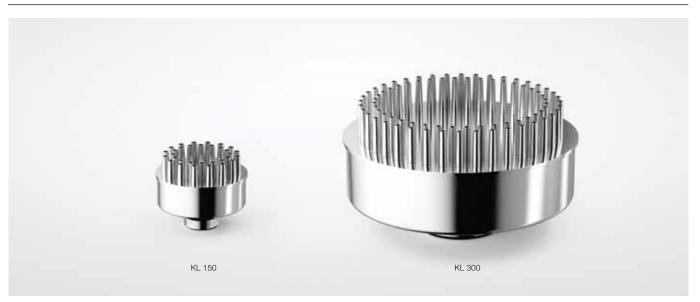
SPLASH ••••

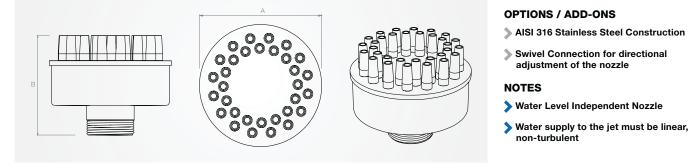
WIND RESISTANCE

- > Massive, Frothy, Utterly Visible
- > Effect created by an array of smaller jets
- Stainless Steel AISI 304 body with 316L nozzles (entirely 316 on request)
- > Very dense nozzle arrangement
- > Great illumination capabilities
- Quick & easy installation
- Removable cap for easy cleaning
- > Fine screening of water supply required
- > Water level independent



VISIBILITY •





	KL	150	KL	300	KL	400	
Material	Stai	nless Steel AISI 304 Bo	ody with AISI 316L Sta	inless Steel Nozzles (Er	ntirely AISI 316 on requ	uest)	
Inlet BSP/NPT	11	/2"	2	t.,	2	! "	
No of Nozzles / Nozzles' Orifice (mm)	32 /	6.0	80 /	/ 6.0	36 /	10.0	
Dimensions (AxB in mm)	120 :	< 125	308	x 203	308	x 230	
Suction Strainer Openings Required (mm)	3	.0	3	.0	5.0		
Spray Height	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	
0.5 M	211	0.8	528	0.8	584	0.9	
1.0 M	320	1.5	799	1.5	850	1.8	
1.5 M	358	2.2	896	2.2	1053	2.7	
2.0 M	406	2.9	1015	2.9	1228	3.7	
2.5 M	456	3.6	1139	3.6	1353	4.7	
3.0 M	500	4.4	1251	4.4	1510	5.6	
4.0 M	597	6.1	1491	6.1	1760	7.8	
5.0 M	673 8.2		1684	8.2	1705 9.9		
6.0 M	753	9.6	1882	9.6	2194 12.0		



lourglass

The radical arrangement of the nozzles in this fountain head creates an uncommon hourglasslike water shape. High level of manufacturing precision in combination with the all-stainless steel construction makes a superior quality fountain head which produces a totally uniform pattern. Spectacular when multi-color illuminated.



- > High level of manufacturing precision
- Stainless Steel AISI 304 body with 316L nozzles (entirely 316 on request)
- > Uncommon shape
- > Spectacular when illuminated
- > Water level independent



MODEL	Inlet	No. Of Nozzles	Suction Strainer Openings	Dimensions A x B					Spray H	leight				
MODEL	BSP/NPT	NO. 01 NO22100	Required	(mm)		1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0
KX 201	2"	18 x 6.0 mm	3.0 mm	258 x 200	L/min Head [m]	172 1.5	193 2.2	218 2.9	245 3.6	269 4.4	293 5.2	321 6.1	362 8.2	405 9.6
KX 203	3"	18 x 8.0 mm	4.0 mm	308 x 232	L/min Head [m]	273 1.6	339 2.5	392 3.3	436 4.2	483 5.1	524 5.9	560 6.9	629 8.7	701 10.7

BSP/NP1

0

0

° ° ° °





Rotating

The self-rotating fountain heads create a unique, lively water effect that comes straight from dancing fountains. The incredible water pattern is formed by adjustable smooth bore nozzles which are attached to a rotating head. The head is manufactured entirely by stainless steel with stainless steel bearings for smooth, frictionless rotation and excellent corrosion resistance. Rotating jets are available in 6 dimensions with nozzles ranging from 3.0 up to 17.0 mm.

WIND RESISTANCE

- > Eye-Catching Water Pattern
- > High level of manufacturing precision
- with 316 stainless steel bearings Stainless Steel AISI 304 construction
- (or 316 on request)
- Self-Rotating Mechanism
- Spectacular when illuminated
- > Water level independent

MODEL	Inlet	No. of Nozzles	А	В	Suction Strainer						Spray H	eight					
MODEL	BSP/NPT	110. 01 11022103	(mm)	(mm)	Openings Required		1.0	1.5	2.0	3.0	4.0	5.0	6.0	7.0	8.0	10.0	12.0
MR 055	1⁄2"	4 x 3.0 mm	120	80	2.0 mm	L/min Head [m]	10.6 1.4	14.3 2.3	16.8 3.0	21.5 4.8							
MR 110	1"	6 x 6.0 mm	180	157	3.0 mm	L/min Head [m]	54 1.6	67 2.3	79 3.2	95 4.5	110 6.0	125 7.1					
MR 155	1½"	6 x 8.0 mm	220	205	4.0 mm	L/min Head [m]	99 1.6	149 2.3	182 2.8	221 4.9	261 6.8	288 7.8	334 8.9				
MR 200	2"	6 x 12.0 mm	295	250	6.0 mm	L/min Head [m]		358 2.2	423 2.8	528 4.9	631 6.9	702 7.7	778 9.3	829 10.6	901 12.8		
MR 300	3"	6 x 14.0 mm	350	275	6.0 mm	L/min Head [m]			495 2.9	603 4.9	709 6.4	785 7.7	855 9.1	921 4.8	985 13.9	1085 18.3	
MR 400	4"	6 x 17.0 mm	410	315	7.0 mm	L/min Head [m]			593 3.2	830 5.3	906 6.8	972 8.3	1025 10.1	1136 12.2	1238 14.3	1410 17.8	1540 19.8

SPLASH ••••

SOUND LEVEL ••••



Morning Glory

One of the most versatile and popular water-film effects, Morning Glory apart from producing a truly beautiful effect it serves as an excellent aerator for oxygen enrichment in ponds and lakes. The gushing water film is formed through an entirely made of stainless steel, heavy duty nozzle, with a stainless steel cap which ensures the durability of the fountain.

Morning Glory is female threaded and it is designed to be mounted directly on all threaded pipes. The thickness of the film can easily be adjusted on site and the height of the nozzle can be manufactured in custom dimensions. Morning Glory is a great water effect whether used in groups or single, in standard fountain pools or floating in ponds & lakes providing both aesthetics and practical assets.

SOUND LEVEL

SPLASH

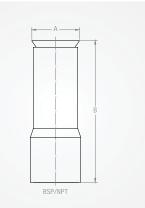
WIND RESISTANCE

- > Beautiful water pattern
- > Excellent aerator
- Great as a floating fountain
- > Highly efficient
- > Minimum flow capacity required
- Can be mounted directly on threaded pipes
- Entirely made of Stainless Steel AISI 304 (316 on request)
- > Water level independent

340 FONTANA

VISIBILITY •





OPTIONS / ADD-ONS

> AISI 316 Stainless Steel Construction

Swivel Connection for directional adjustment of the nozzle

NOTES

- > Water Level Independent Nozzle
- > Water supply to the jet must be linear, non-turbulent
- > Fine screening at the pump is required

	MV	125	MV	151	MV	201	MV	202	MV	301	MV	302	MV	401	MV	402	MV	600
Material						E	Entirely S	tainless	s Steel A	ISI 304	(316 or	reques	st)					
Inlet BSP/NPT	11	/4"	11	/2"	2	33	2	33	3	,"	З	³³	4	Ļ"	4"		6	33
Dimensions (AxB in mm)	60 x	200	60 x	200	70 x	230	70 x	230	95 x	285	95 x 285		123 x 330		123 >	123 x 330 170		453
Spray Angle (°)	40°		4	0°	40)°	70)°	50° 70°		7	70°)°	60)°		
Spray Diameter	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]	Flow [L/min]	Head [M]										
0.25 M	43	0.5	48	0.5														
0.5 M	58	0.6	61	0.6	98	1.7	68	0.7										
0.75 M			74	0.6	106	1.8	81	0.9										
1.0 M			89	0.8	113	1.9	98	1.4										
1.5 M					141	2.1	115	1.5	368	1.8								
1.75 M							118	1.5	530	1.9								
2.0 M							133	1.6	620	1.9	677	1.1	653	1.3				
2.5 M											721	1.3	863	1.4	7.8	1.7	896	1.8







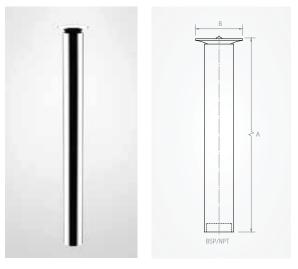
Water Bells

Water Bells form a translucent film of water which is perfectly round on top and falls in a bell-shaped pattern. A virtually soundless and splash-free water effect, totally stable, ideal for interior and non-windy places.

Water Bells offer a magnificent view when placed in groups of different heights and illuminated by TheSmartLEDTM lights inside the bell.

- > Crystal-Clear water film effect
- Elegant look
- > Virtually soundless and splash-free
- > Minimum flow capacity required Highly efficient water effect
- > Entirely made of stainless steel AISI 304 (316 on request)
- > Water level independent

MODEL	Inlet BSP/NPT	A (mm)	B (mm)	Bell Diameter (mm)	L/min	Head [m]
MB 030	1⁄2"	300	60	200-600	20-38	0.5-1.0
MB 033	1⁄2"	400	60	200-650	20-41	0.5-1.0
MB 113	1"	330	82	250-1000	30-70	0.5-1.0
MB 115	1"	500	82	250-1000	40-78	0.3-1.2
MB 116	1"	630	82	250-1000	40-82	0.3-1.5
MB 151	1½"	800	110	350-1200	70-110	1.0-1.8
MB 152	1½"	1000	110	400-1280	80-125	1.5-2.5





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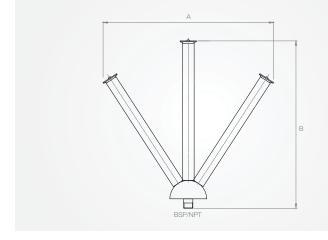


Tulip

Tulip is a multi-tiered arrangement of Water Bells in a flower-like pattern. The water effect is translucent, soundless and splash-free just like the Water Bells, yet more impressive and even more amazing when illuminated. Ideal for non-windy locations.

MODEL	Inlet BSP/NPT	Dimensions A x B (mm)	No of Arms	Suction Strainer Openings Required (mm)	Flow Performance (Optimum Results)		
KY 103	1¼"	535 x 600	5	2.0	L/min Head [m] Spread [m]	148 1.1 0.8-1.2	
KY 113	1¼"	635 x 700	5	2.0	L/min Head [m] Spread [m]	225 1.3 1.0-1.5	
KY 117	1¼"	535 x 600	7	2.0	L/min Head [m] Spread [m]	235 1.3 1.0-1.5	

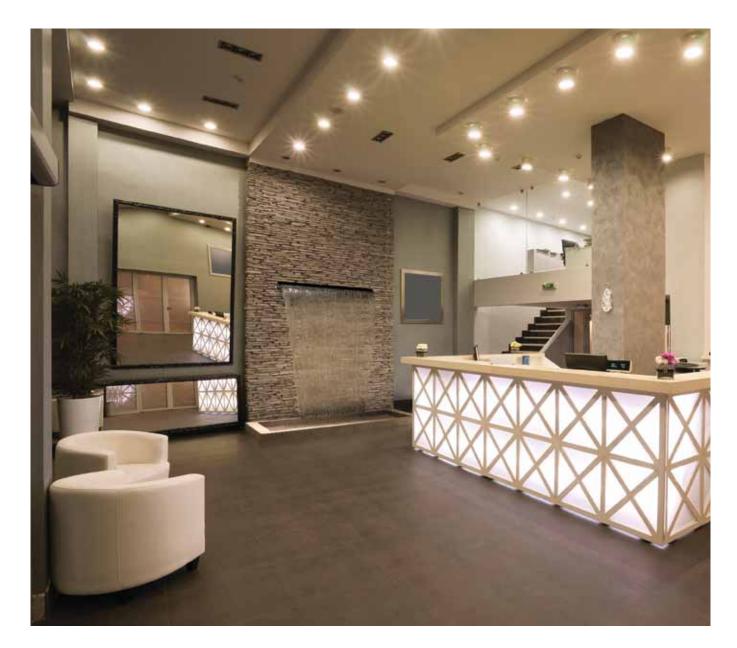
- > Multi-tiered water film effect
- Luxurious look
- > Virtually soundless and splash-free
- > Minimum flow capacity required
- Stainless Steel AISI 304 (316 on request)
- > Ideal for non-windy locations
- > Water level independent





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FONTANA³⁴³



Film Waterfalls

Luxurious as they look, Film Waterfalls are a unique accent in decoration both outdoors and indoors. Water falls gracefully out of a wall or any other surface or from the optional stainless steel stand, breathing life and energy. The delicate sound of falling water is so gentle that can be barely heard but fills the atmosphere smoothly adding a soothing tone to the atmosphere. Film Waterfalls are ideal for villas, mansions, hotels and all kinds of high-end applications.

The lip and the internal structure of the waterfall is designed to minimize the shrinking effect at the bottom of the fall and the system is entirely made of AISI 304 stainless steel or 316 on request. There are 5 standard models available at 0.35, 0.6, 1, 1.5 and 2 meters width, however tailor-made Film Waterfalls can be made to fulfill every design specification.

- Luxurious look
- Delicate sound
- Entirely made of Stainless Steel AISI 304 (316 on request)
- **>** 0.35, 0.6, 1, 1.5 and 2 m models
- Solid film with shrink-effect minimized
- Quick & Easy Installation
- Available stainless steel stand which can be lined

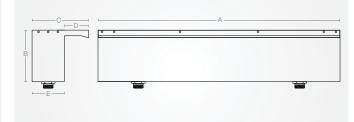
344 FONTANA

Spray Systems | Special Effects | Film Waterfall



Note:





The use of low-pressure pump is recommended to achieve optimum water film effect.

1¼"

600

150

175

75

100

Flow

[L/min]

51

68

95

KW 600 KW 1000 KW 1500 KW 2000

2 x 2"

1500

320

350

150

200

Flow

[L/min]

255

360

420

525

600

825

1020

2 x 3"

2000

320

350

150

200

Flow

[L/min]

340

480

560

700

800

1100

1360

Entirely Stainless Steel AISI 304 (316 on request)

2 x 2"

1000

320

350

150

200

Flow

[L/min]

170

240

280

KW 350

1¼"

350

150

175

75

100

Flow

[L/min]

30

41

58

Material

Inlet(s) BSP/NPT Size (in)

System Length (A in mm)

System Height (B in mm)

Dimension C (mm)

Dimension D (mm)

Dimension E (mm)

Installation Height

Head at inlets:

0.50 M

0.75 M

1.00 M

The Top Cover is made of stainless steel at the same stylish finishing as the

Accessory: Top Cover

rest of the system. It is particularly useful to prevent debris from entering the Film Waterfall.

add suffix .TC at the end of the model number



Stand: add suffix .ST | Front & back covers: add suffix .SC

 1.0 M
 1.25 M
 100
 170
 350

 1.0 M
 1.50 M
 400

 2.00 M
 kW 350 & kW 600 perform best up to 1.25 m
 550

 2.50 M
 680

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Glass/Mirror Waterfalls

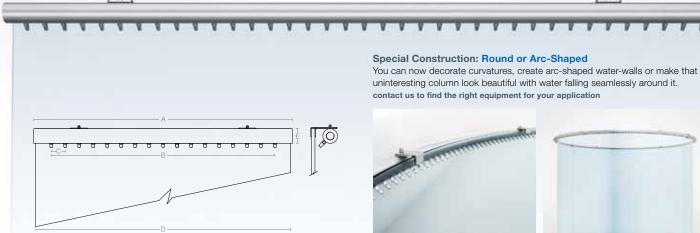
One of the most elegant and exciting water displays. Virtually silent, without splash, it is a fabulous accent to any application with subtle water presence requirements. The dense arrangement of the nozzles make water fall seamlessly on glass, mirror or any other surface, filling the entire width and creating an amazing view.

Special round or arc-shaped spray systems are now available for wider design flexibility. The spray system is made of stainless steel with prefixed brass, nickel plated nozzles and can be made entirely of 316 Stainless Steel on request. Available in a variety of lengths from 74 cm to 6 meters, these waterfalls are perfectly suited to shopping malls, atrium areas, exhibitions, offices, cafes, hotels or residential applications.

- > Seamless waterfall on glass/mirrors/etc
- Silent, without splash
- > For glass thickness 8-20 mm
- Stainless Steel AISI 304 spray system (entirely 316 on request)
- > From 74 cm up to 6 meters long
- > Very dense nozzle arrangement
- > Round & arc-shaped systems available
- > Minimum flow capacity required
- Fine screening of water supply is required - 2 mm

Spray Systems | Special Effects | Glass/Mirror Waterfall

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Ready-for-Installation

Glass/Mirror waterfalls arrive ready for installation at your doorstep. Included in the scope of delivery: Spray system with water inlets in both sides, pre-assembled nozzles and double brackets for mounting. Nozzles hit the surface at a standard angle of 45°.



Accessory: Decorative Cover Spray systems can be integrated in various decoration elements or you can use a stylish, satin-finished, stainless steel decorative cover to hide the spray system and allow only the watercourse to be visible. add suffix .DK to model type







MODEL	Length of Waterfall System A	Distance between First and Last Nozzle B	Min. Glass Width Recommended D	No. Of Nozzles	Nozzle Orifice	Distance between Nozzles C	Inlets BSP/NPT	Tube Diameter E	Flow [L/min] at inlets	Head [m] at inlets
SF 207	740 mm	680 mm	730 mm	18	4.0 mm	40 mm	2 x ½"	ø 42 mm	36	1.5
SF 210	980 mm	920 mm	970 mm	24	4.0 mm	40 mm	2 x ½"	ø 42 mm	45	1.5
SF 212	1260 mm	1200 mm	1250 mm	31	4.0 mm	40 mm	2 x ½"	ø 42 mm	58	1.5
SF 215	1500 mm	1440 mm	1490 mm	37	4.0 mm	40 mm	2 x ½"	ø 42 mm	68	1.5
SF 217	1740 mm	1680 mm	1730 mm	43	4.0 mm	40 mm	2 x ½"	ø 42 mm	77	1.5
SF 220	1980 mm	1920 mm	1970 mm	49	4.0 mm	40 mm	2 x ½"	ø 42 mm	88	2.0
SF 230	2980 mm	2920 mm	2970 mm	74	4.0 mm	40 mm	2 x ½"	ø 42 mm	138	2.0
SF 310	1000 mm	850 mm	1000 mm	17	8.0 mm	50 mm	2 x 2½"	ø 63 mm	145	1.8
SF 315	1500 mm	1350 mm	1500 mm	27	8.0 mm	50 mm	2 x 2½"	ø 63 mm	230	2.1
SF 320	2000 mm	1850 mm	2000 mm	37	8.0 mm	50 mm	2 x 2½"	ø 63 mm	315	2.5
SF 330	3000 mm	2850 mm	3000 mm	57	8.0 mm	50 mm	2 x 2½"	ø 63 mm	485	2.8
SF 340	4000 mm	3850 mm	4000 mm	77	8.0 mm	50 mm	2 x 2½"	ø 63 mm	655	3.3
SF 360	6000 mm	5850 mm	6000 mm	117	8.0 mm	50 mm	2 x 2½"	ø 63 mm	995	3.8

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The WaterWall

The WaterWall. A modular system that does exactly what it is supposed to do in the most stunning, efficient and low-cost way. The WaterWall is designed to add sparkling glamour to shows, events or all-time decoration. It features two rows of densely placed nozzles that produce an enormous wall of water, great for laser or video projection, objects passing through it (like vehicles), or as an innovative water ornament.

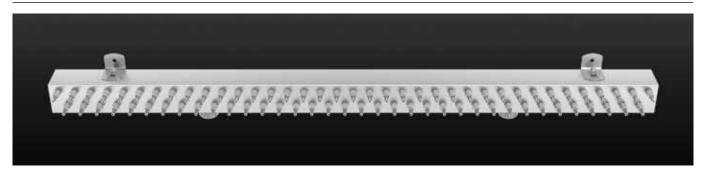
The WaterWall boasts great illumination capabilities. It can be illuminated from the top, the bottom or from outside to achieve different effects. The system is made of superior quality stainless steel with stylish finishing, and the brass nickel-plated nozzles can easily be made invisible with the optional decorative cover. The smart arrangement of the nozzles permits modular installation of several WaterWalls without leaving dead spots.

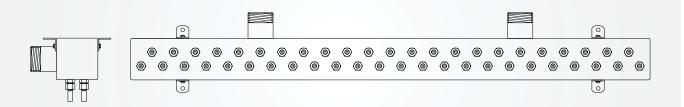
For special projects don't hesitate to contact us to assist you in creating a unique water-themed show.

- Stunning, Efficient, Low-Cost
- Modular installation
- Stainless Steel AISI 304 spray system with brass nickel-plated adjustable nozzles (entirely 316 on request)
- Special Projection models
- Very dense nozzle arrangement
- Great illumination capabilities
- > Decorative cover available
- Fine screening of water supply is required - 2 mm or 100% filtration

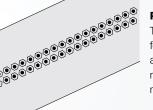


Spray Systems | Special Effects | The WaterWall









Projection Models

These models are designed especially for laser & video projection. The nozzle arrangement is even more dense (250 nozzles/meter) than the other models making a solid projection surface.



Designed for Modular Installation

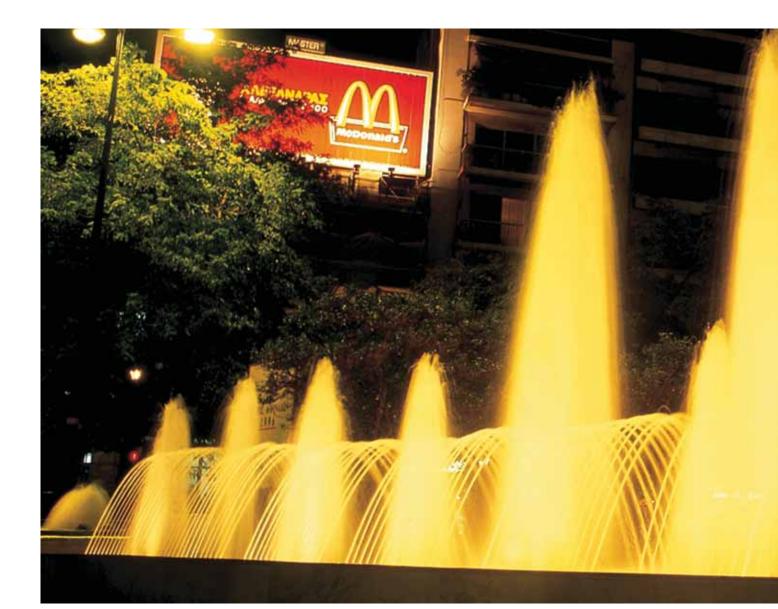
As any application is unique, the WaterWall systems are designed to be modular. Each system fits exactly next to each other and the arrangement of the nozzles makes sure there is a uniform result without dead spots.

Accessory: Decorative Cover

You can hide the WaterWall's nozzles in style with this decorative cover made of superior quality stainless steel with brushed finishing. It comes in the same dimensions with the WaterWall models to ensure perfect fit and modularity.

At the end of WaterWall's model add suffix: .DK

MODEL	Length of System	No. Of Nozzles	Inlet(s) BSP/NPT	Flow [L/min] at inlets	Head [m] at inlets
SW 100	1.0 m	49	2 x 1"	165	1.4
SW 150	1.5 m	73	2 x 1½"	254	1.6
SW 300	3.0 m	149	2 x 2"	512	2.0
SW 400	1.0 m	250	2 x 1"	175	1.5
SW 450	1.5 m	500	2 x 1½"	358	1.8
ନୁ SW 500	3.0 m	750	2 x 2"	532	2.3



Spray Lines

The easiest, most cost-effective and durable way to create endless lines of water. Fontana Spray Lines are made of 304 stainless steel and incorporate brass, nickel plated adjustable nozzles, with an option of the entire system to be made of 316 stainless steel. All nozzles have integral flow straighteners to achieve optimum performance and greater efficiency.

Spray Lines are available in a multitude of lengths, tube thicknesses and nozzle orifices to cover all kinds of applications - from fine spray to massive water effects. Multiple Spray Lines can be inter-connected to create complex fountain shapes matching every kind of pool design. With the flexible U-shaped telescopic bases (provided separately), Spray Lines can be installed at any angle and the smooth bore nozzles provide extra 15° swivel adjustability to fine-tune the water pattern. Finally the handy luminaire mounting brackets (provided separately) make the positioning of lights faster and easier, while providing utmost illumination efficacy.

- > The best solution for long water lines
- > From fine-spray to massive water effects
- > Vertical or parabolic water streams
- Stainless Steel AISI 304 spray system (entirely 316 on request)
- Multitude of lengths, tube thicknesses and nozzle orifices
- Extensive design versatility
- > Minimum flow capacity required





With the U-Bracket Telescopic Legs, spray lines can be installed at any angle, creating vertical or parabolic water streams

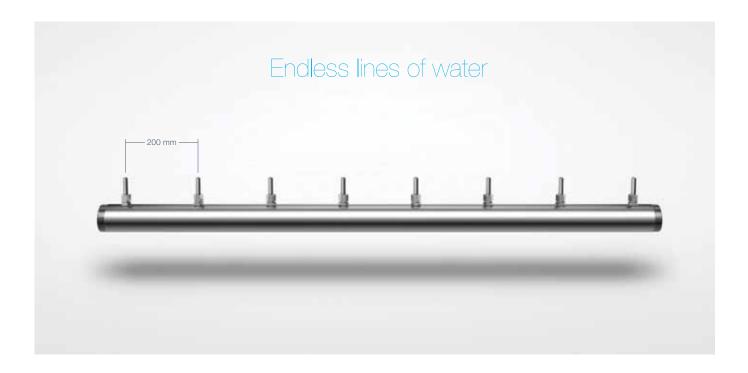


All Smooth Bore nozzles have an integral flow straightener and they are adjustable by 15° to any direction, providing extra design flexibility



Lightweight, yet Heavy Duty Stainless Steel Construction





SL 5XX Series Tube: Ø60mm | Nozzle Orifice: 5mm | Distance between Nozzles: 200mm

MODEL	Length		Nozzle Orifice	Inlets	Spray Height [m]	0.5	1.0	1.5	2.0	2.5	3.0
MODEL	Longui	NO. OF NOZZIOS		BSP/NPT	Head [m]						3.9
SL 510	0.94 m	5	5.0 mm	2"	L/min	20	32	36	41	46	51
SL 515	1.54 m	8	5.0 mm	2"	L/min	33	51	57	66	73	81
SL 520	1.94 m	10	5.0 mm	2"	L/min	41	64	72	83	91	102
SL 530	2.94 m	15	5.0 mm	2"	L/min	61	96	107	124	137	152
SL 540	3.94 m	20	5.0 mm	2"	L/min	81	128	143	165	183	203
SL 560	5.94 m	30	5.0 mm	2"	L/min	122	191	215	248	274	305

SL 6XX Series Tube: Ø60mm | Nozzle Orifice: 6mm | Distance between Nozzles: 200mm

MODEL Length	No. Of	Nozzle Orifice	Inlets	Spray Height [m]	0.5	1.0	1.5	2.0	2.5	3.0	3.5	
MODEL	Longth	Nozzles		BSP/NPT	Head [m]	0.7	1.3	2.0	2.6	3.2	4.0	4.6
SL 610	0.94 m	5	6.0 mm	2"	L/min	30	41	51	60	67	74	81
SL 615	1.54 m	8	6.0 mm	2"	L/min	47	69	85	100	114	125	136
SL 620	1.94 m	10	6.0 mm	2"	L/min	58	86	107	125	143	156	171
SL 630	2.94 m	15	6.0 mm	2"	L/min	87	129	160	188	215	234	256
SL 640	3.94 m	20	6.0 mm	2"	L/min	118	165	205	239	268	297	325
SL 660	5.94 m	30	6.0 mm	2"	L/min	175	257	320	376	429	469	512





SL 7XX Series Tube: Ø76mm | Nozzle Orifice: 8mm | Distance between Nozzles: 200mm

MODEL	Length	No. Of Nozzles	Nozzle Orifice	Inlets	Spray Height [m]	0.5	1.0	1.5	2.0	2.5	3.0	4.0
	Longar	NO. OTNOLLIOU		BSP/NPT	Head [m]							5.7
SL 710	0.94 m	5	8.0 mm	21⁄2"	L/min	51	73	90	106	120	131	152
SL 715	1.54 m	8	8.0 mm	21⁄2"	L/min	82	116	144	169	191	210	244
SL 720	1.94 m	10	8.0 mm	21⁄2"	L/min	102	145	180	211	239	262	305
SL 730	2.94 m	15	8.0 mm	21⁄2"	L/min	153	218	271	317	359	393	457
SL 740	3.94 m	20	8.0 mm	21⁄2"	L/min	205	290	361	423	478	524	609
SL 760	5.94 m	30	8.0 mm	21⁄2"	L/min	307	436	541	634	717	786	914

SL 8XX Series Tube: Ø76mm | Nozzle Orifice: 10mm | Distance between Nozzles: 200mm

MODEL Length	Lenath	No. Of	Nozzle	Inlets	Spray Height [m]	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5.0	6.0
	Nozzles	Orifice	BSP/NPT	Head [m]										
SL 810	0.94 m	5	10.0 mm	21⁄2"	L/min	85	120	150	172	192	209	257	282	314
SL 815	1.54 m	8	10.0 mm	21⁄2"	L/min	136	192	240	275	307	334	412	451	502
SL 820	1.94 m	10	10.0 mm	21⁄2"	L/min	171	240	300	344	384	418	515	564	628
SL 830	2.94 m	15	10.0 mm	2½"	L/min	256	360	450	516	576	627	772	846	942
SL 840	3.94 m	20	10.0 mm	2½"	L/min	341	480	601	689	768	836	1030	1129	1256
SL 860	5.94 m	30	10.0 mm	21⁄2"	L/min	512	719	901	1033	1152	1254	1544	1693	1884

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Spray Lines Accessories

Useful add-ons to enhance your fountain



U-Bracket Telescopic Leg

Essential accessory for mounting spray lines at the desired height. These legs are adjustable in height by 20cm for water depth between 35 and 55cm. They also permit installation of the spray line at any angle for greater design flexibility.

It is recommended to place one leg every 2 meters and always use one to support corners.

SLA 1050

Luminaire Mounting Bracket

Don't forget that the illumination of a fountain is what makes it a truly unique spectacle at night. This Mounting Bracket is made of Stainless Steel and it is designed to hold all types of luminaires pointing straight up or at any spray angle.

For luminaires UL600-UL700: SLA 2010 For luminaires UL800-UL1000: SLA 2030



Nozzle Extension

You can order your Spray Line with nozzle extensions as an option. These extensions allow greater spray angles while placing the tube deeper into water.

Nozzle extensions are made of stainless steel. Standard length 80mm (can be customized).

At the end of Spray Line's model add suffix: .NE



Terminal Cap

All Spray Lines have water inlets at both ends for easier interconnection and better performance over long systems.

A Terminal Cap is required to seal an inlet watertight. All terminal caps are made of stainless steel.

For SL5XX & SL6XX series: SLA 3010 For SL7XX & SL8XX series: SLA 3020

Spray Lines with specialty Nozzles

Sometimes smooth bores are just not enough.



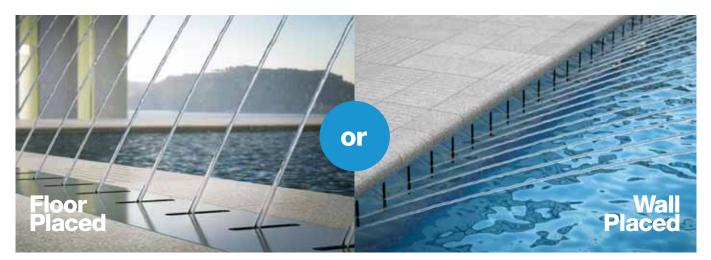
Smooth bores are great, they are the most versatile and effective jets to create clear-water streams and especially now with the integral flow straighteners they are unbelievably efficient. Sometimes though, smooth bores are just not enough.

Specialty nozzles like Foam jets, Fizz jets, Aerating jets, etc are used to create unique, eye-catching water patterns. Frothy water effects always provide greater visibility and wind resistance, plus they look magnificent when illuminated with LED illumination.

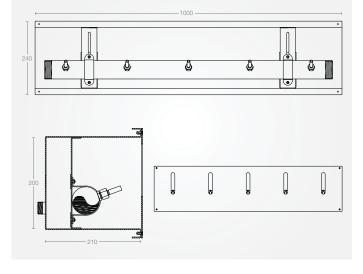
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Spray Line Chamber

Eye-candy Aesthetics & Equipment Protection







Spray Line Chamber is designed to offer both system protection and enhanced visual appearance. The spray line is securely fixed inside the chamber which can be both in-ground or wall flush mounted and the streams come out of the face plate's holes creating an impressive scene. This product is ideal for public applications where the extra protection is important, but it's also perfect for swimming pools and spas, as the water-out-of-nowhere is a commonly desired effect.

Spray Line Chamber is 1 meter long and it is entirely made of 304 stainless steel (or 316 on request). It is designed to be modular - many chambers can be placed in a row to fit spray lines of any length, and the integral drain outlet makes sure it doesn't flood.

The internal architecture of the Chamber makes it easy to fit all types of Spray Lines, and point them at any angle (the brackets are adjustable and the cover is reversible).





Spray Rings

Similar to the Spray Lines, Spray Rings are the easiest, most cost-effective and durable way to create rings of water. With standard models ranging from 58 cm in diameter up to 10.7 meters, tube thicknesses of ø35 to ø114 and a multitude of nozzle orifices, there is a solution for every application that requires round-shaped, low-cost and high quality spray effect. If however you don't find something among the standard models, we can create any size and water effect Spray Rings - like the photo above where a 21-meter spray ring was manufactured.

The lightweight, yet heavy duty spray systems are made of superior quality 304 stainless steel and incorporate brass, nickel plated adjustable nozzles, with an option of the entire system to be made of 316 stainless steel. All water inlets of the Spray Rings are male threaded and every one of them is fitted with a flow diverter to achieve optimum performance. All jets (>5mm) have integral flow straighteners for excellent water flow and greater efficiency. Larger models are dispatched split in 2-6 pieces (with flange connections) for safer and easier transportation. In addition, all Spray Rings are shipped equipped with placeholders for detachable, adjustable telescopic legs and luminaire mounting brackets making installation quicker than ever before.

Standard models have perpendicular arranged (15° adjustable) nozzles, but all Spray Rings can be tailor-made with 35° inwards or outwards nozzle arrangement. Add to this the extra 15° swivel adjustability of the smooth bore nozzles and you can have an outwards or inwards water dome of up to 50°. In such applications please note that the accessory "Nozzle Extension" is required.

All these contribute to the most complete Spray Rings solution available in the market.

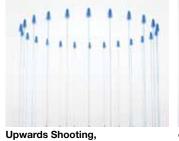
- The best solution for water rings
- From fine-spray to massive water effects
- Vertical or parabolic water streams
- > Up to 50° spray angle (on request)
- Standard models from 58 cm up to 10.7 meters diameter
- Stainless Steel AISI 304 spray system (entirely 316 on request)
- > Lightweight, yet heavy duty construction
- Multitude of dimensions, tube thicknesses and nozzle orifices
- Ship standard with placeholders for telescopic legs and luminaires
- > Flow diverters on every inlet
- Minimum flow capacity required







Adjustable nozzles allow Inwards, Outwards Falling,





or even Crossed Streams



Lightweight, yet Heavy Duty Stainless Steel Construction



All Spray Rings ship equipped with placehold-ers for stainless steel telescopic legs & for lu-minaires that can be in- or outwards pointing



Flow Diverters on every inlet and Flow Straighteners on every nozzle to achieve optimum performance and water efficiency

RS 3XX Series Tube: Ø35mm | Nozzle Orifice: 3mm

MODEL		No. Of	Nozzle Orifice [mm]	No. of Inlets	Inlet(s) BSP/NPT	Placeholders for Telescopic	Placeholders	Pieces ¹	Spray Height [m]	0.5	1.0	1.5	2.0
MODEL	[m]	Nozzles	[mm]	Inlets	BSP/NPT	Legs	for Lights	110000	Head [m]				2.8
RS 305	0.58	14	3.0	1	3⁄4"	3	3	1	L/min	22	29	37	43
RS 307	0.76	18	3.0	1	3⁄4"	3	3	1	L/min	28	38	48	55
RS 309	0.90	20	3.0	1	3⁄4"	3	4	1	L/min	31	42	53	62
RS 312	1.15	24	3.0	1	3⁄4"	3	4	1	L/min	37	50	63	74
RS 315	1.50	32	3.0	1	3⁄4"	3	4	1	L/min	49	67	84	99
RS 318	1.81	38	3.0	2	3⁄4"	4	6	1	L/min	59	79	100	117
RS 321	2.12	44	3.0	2	3⁄4"	4	6	2	L/min	68	92	116	136

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RS 5XX Series Tube: ø50mm | Nozzle Orifice: 4mm

Ring Diameter [m] Nozzle Orifice [mm] Placeholders for Telescopic Legs Spray Height [m] No. Of Nozzles Placeholders for Lights Inlet(s) BSP/NPT No. of Inlets RS 505 1" 0.58 4.0 L/min 4.0 1" RS 507 0.76 L/min 0.90 1" L/min RS 509 4.0 RS 511 1.15 4.0 1" З L/min RS 515 1" 1.50 4.0 L/min 1" RS 518 1.81 4.0 L/min 1" RS 521 2.12 4.0 L/min RS 528 2.80 4.0 1" L/min RS 535 3.50 4.0 1" З L/min

RS 6XX Series

Tube: Ø51, Ø60, Ø63, Ø76 mm | Nozzle Orifice: 5mm

MODEL	Ring Diameter	Tube Ø	No. Of	Nozzle Orifice	No. of	Inlet(s)	Placeholders for Telescopic	escopic for Lights		Spray Height [m]	0.5	1.0	1.5	2.0	2.5	3.0	3.5
	[m]	[mm]	Nozzles	[mm]	Inlets	BSP/NPT	Legs	for Lights		Head [m]							4.5
RS 605	0.52	51	10	5.0	2	1"	3	3	1	L/min	41	64	72	83	91	102	110
RS 609	0.91	60	14	5.0	2	1¼"	3	4	1	L/min	57	89	100	116	128	142	154
RS 615	1.51	60	24	5.0	2	1¼"	3	4	1	L/min	98	153	172	198	219	244	264
RS 618	1.80	60	28	5.0	2	1¼"	4	6	1	L/min	114	179	200	231	256	285	308
RS 621	2.16	63	34	5.0	2	1½"	4	6	1	L/min	138	217	243	281	310	346	374
RS 628	2.85	63	44	5.0	2	11⁄2"	4	8	2	L/min	179	281	315	363	402	447	483
RS 635	3.56	63	56	5.0	4	1½"	6	12	2	L/min	228	357	400	462	511	569	615
RS 644	4.40	63	68	5.0	4	11⁄2"	6	12	4	L/min	277	434	486	561	621	691	747
RS 653	5.35	63	84	5.0	4	11⁄2"	8	16	4	L/min	342	536	601	693	767	854	923
RS 661	6.06	63	96	5.0	4	1½"	9	18	4	L/min	391	612	686	792	876	976	1055
RS 668	6.88	76	108	5.0	4	2"	9	18	4	L/min	440	689	772	891	986	1098	1187
RS 681	8.15	76	128	5.0	4	2"	10	20	5	L/min	521	817	915	1056	1169	1301	1406

RS 7XX Series

Tube: Ø51, Ø60, Ø63, Ø76 mm | Nozzle Orifice: 6mm

MODEL	Ring Diameter	Tube Ø	No. Of	Nozzle Orifice	No. of		Placeholders for Telescopic	Placeholders	Pieces ¹	Spray Height [m]	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
	[m]	[mm]	Nozzles	[mm]	Iniets	BSP/NPT	Legs	for Lights		Head [m]								5.4
RS 705	0.52	51	10	6.0	2	1"	3	3	1	L/min	59	82	102	119	134	148	162	175
RS 709	0.91	60	14	6.0	2	1¼"	3	4	1	L/min	82	120	149	176	200	219	239	259
RS 715	1.51	60	24	6.0	2	1¼"	3	4	1	L/min	140	206	256	301	343	375	409	444
RS 718	1.80	60	28	6.0	2	1¼"	4	6	1	L/min	163	240	299	351	400	437	477	517
RS 721	2.16	63	34	6.0	2	1½"	4	6	1	L/min	201	280	348	406	455	504	552	596
RS 728	2.85	63	44	6.0	2	1½"	4	8	2	L/min	257	378	469	552	629	687	750	813
RS 735	3.56	63	56	6.0	4	1½"	6	12	2	L/min	331	461	573	669	750	830	909	981
RS 744	4.40	63	68	6.0	4	1½"	6	12	4	L/min	402	560	696	812	910	1008	1104	1192
RS 753	5.35	63	84	6.0	4	1½"	8	16	4	L/min	497	692	859	1003	1125	1246	1364	1472
RS 761	6.06	63	96	6.0	4	1½"	9	18	4	L/min	568	791	982	1147	1285	1423	1559	1682
RS 768	6.88	76	108	6.0	4	2"	9	18	4	L/min	639	890	1105	1290	1446	1601	1753	1892
RS 781	8.15	76	128	6.0	4	2"	10	20	5	L/min	758	1055	1309	1529	1714	1898	2078	2243

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RS 8XX Series Tube: Ø89 mm | Nozzle Orifice: 8mm

MODEL	Ring Diameter	No. Of	Nozzle Orifice	No. of	Inlet(s)	Placeholders for Telescopic	Placeholders F	^D ieces ¹	Spray Height [m]	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
	[m]	Nozzles	[mm]	Inlets	BSP/NPT	Legs	for Lights		Head [m]								5.7
RS 815	1.50	24	8.0	2	2"	3	4	1	L/min	246	348	433	507	574	629	683	731
RS 818	1.80	28	8.0	2	2"	4	6	1	L/min	286	407	505	592	669	734	796	853
RS 821	2.15	34	8.0	4	2"	4	6	1	L/min	348	494	613	718	813	891	967	1036
RS 830	2.83	44	8.0	4	2"	4	8	2	L/min	450	639	794	930	1052	1153	1252	1341
RS 835	3.56	56	8.0	4	2"	6	12	2	L/min	573	813	1010	1183	1339	1468	1593	1706
RS 845	4.40	68	8.0	4	2"	6	12	3	L/min	696	987	1227	1437	1625	1782	1934	2072
RS 853	5.35	72	8.0	6	2"	8	16	3	L/min	737	1045	1299	1521	1721	1887	2048	2194
RS 868	6.88	84	8.0	6	2"	9	18	4	L/min	859	1220	1515	1775	2008	2202	2389	2559

RS 9XX Series Tube: Ø89 mm | Nozzle Orifice: 10mm

MODEL	Ring Diameter	No. Of	Nozzle Orifice	No. of	Inlet(s)	Placeholders for Telescopic	Placeholders	Pieces ¹	Spray Height [m]	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5
	[m]	Nozzles	[mm]	Inlets	BSP/NPT	Legs	for Lights	110003	Head [m]									7.1
RS 915	1.50	24	10.0	2	2"	3	4	1	L/min	409	576	721	826	921	1003	1096	1236	1278
RS 918	1.80	28	10.0	2	2"	4	6	1	L/min	477	671	841	964	1075	1170	1278	1441	1491
RS 921	2.15	34	10.0	4	2"	4	6	1	L/min	580	815	1021	1171	1305	1421	1552	1750	1810
RS 930	2.83	44	10.0	4	2"	4	8	2	L/min	750	1055	1321	1515	1689	1839	2009	2265	2343
RS 935	3.56	56	10.0	4	2"	6	12	2	L/min	955	1343	1682	1928	2150	2341	2556	2883	2981
RS 945	4.40	68	10.0	4	2"	6	12	3	L/min	1159	1631	2042	2341	2611	2842	3104	3501	3620
RS 953	5.35	72	10.0	6	2"	8	16	3	L/min	1228	1727	2162	2479	2764	3010	3287	3707	3833
RS 968	6.88	84	10.0	6	2"	9	18	4	L/min	1432	2014	2523	2892	3225	3511	3835	4324	4472

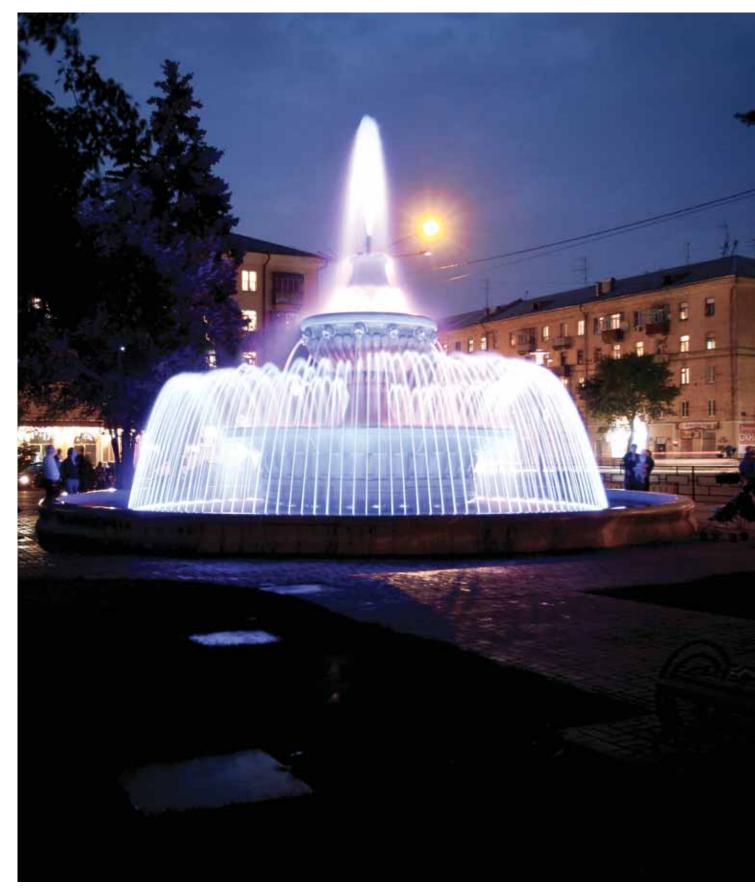
RS 10XX Series Tube: Ø114 mm | Nozzle Orifice: 12mm

MODEL	Ring No. Of Diameter Nozzles	UTITICE	No. of	Inlet(s)		Placeholders	Pieces ¹	Spray Height [m]	0.5	1.0	1.5	2.0	2.5	3.0	4.0	5.0	6.0	
	[m]	Nozzles	[mm]	Inlets	BSP/NPT	Legs	for Lights		Head [m]									8.1
RS 1018	1.80	16	12.0	2	4"	4	6	1	L/min	366	532	664	759	840	920	1070	1200	1505
RS 1021	2.15	20	12.0	2	4"	4	6	1	L/min	458	665	831	948	1049	1151	1338	1500	1882
RS 1030	3.00	26	12.0	2	4"	6	8	2	L/min	595	864	1080	1233	1364	1496	1739	1951	2446
RS 1035	3.56	28	12.0	2	4"	6	12	2	L/min	641	931	1163	1327	1469	1611	1873	2101	2634
RS 1045	4.45	36	12.0	З	4"	6	12	3	L/min	824	1197	1495	1707	1889	2071	2408	2701	3387
RS 1068	6.88	60	12.0	4	4"	9	18	4	L/min	1373	1995	2492	2845	3148	3452	4013	4501	5645
RS 1089	8.90	72	12.0	6	4"	12	24	5	L/min	1648	2394	2990	3414	3778	4142	4816	5401	6774
RS 1090	10.7	84	12.0	6	4"	14	28	6	L/min	1923	2793	3488	3982	4407	4833	5619	6302	7903

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Spray Rings Accessories & Options



Luminaire Mounting Brackets

Don't forget that the illumination of a fountain is what makes it a truly unique spectacle at night. This Mounting Bracket fits on the placeholders of Spray Rings, it's made of Stainless Steel and it is designed to hold all types of luminaires pointing straight up or at any spray angle. It can be mounted in the inside or the outside of any Spray Ring.

For luminaires UL600 - UL700: RSA 2010 For luminaires UL800 - UL1000: RSA 2030



Nozzle Extension

You can order your Spray Ring with nozzle extensions as an option. These extensions allow greater spray angles while placing the tube deeper into water. Nozzle extensions are made of stainless steel. Standard length 80mm (customizable).

At the end of Spray Ring's model add suffix: .NE

Telescopic Legs

Essential accessory for mounting spray rings at the desired height. These legs are fastened directly on spray rings' placeholders and they are adjustable in height by 20cm for water depth between 35-55cm.

Up to 35° Mounted Nozzles - Inwards or Outwards

(in combination with nozzles' 15° swiveling). If selected as an option, accessory "Nozzle Extension" is required.

.IPXX - For Inwards mounted nozzles and replace "XX" with angle .OPXX - For Outwards mounted nozzle and replace "XX" with angle

20 cm adjustable

For 35-55cm water depth. (Can be custom-made on request)

All Spray Rings can be tailor-made with 35° inwards or outwards nozzle arrangement for water domes of up to 50°

At the end of Spray Ring's model add suffix:

RSA 2020

Custom Spray Rings Build-to-Order retaining all the pros of the standard models

We know that every fountain is unique and every new creation exceeds previous demands. Every product, every service and essentially every aspect of Fontana is focused on this principle: Breathing life into inspiration. You can always contact us for any kind of special construction - of any scale - and you can expect the same high level of quality that comes along with our products.

Even though we provide a wide range of standard products, we supply Build-to-Order equipment based on standard models or totally different to fulfill each project's unique requirements. If you have some special design or you are seeking for professional assistance, don't hesitate to contact us.

Spray Rings have literally no limits in customization. Either it is the diameter of the ring or the spray effect (as delicate as 3.0mm of clear water or as massive as 300mm frothy Fizz jets or any other specialty jets), multi-color illumination or spraying angle, we can design, manufacture and supply you with superior equipment, strictly meeting the project's requirements and our renowned high quality standards.

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Modular Spray Systems Breathe life into your unique fountain design

The new range of Spray Lines and Spray Rings is so wide and precisely designed that gives you an amazing privilege: To turn your idea into fountain at a fraction of the time it used to take, easier and at lower cost. You don't have to draw complex sketches explaining your design, or back down from your original idea due to lack of equipment variety.

You can design traditional fountain shapes or you can create the world's most complex and unique design and you will still find all the parts required to make it real with the market's highest quality spray ring, semiring and spray lines equipment.

Nozzles are adjustable, spray lines can be pointing at any angle, spray rings can create straight-up, crossed, inwards or outwards falling water patterns, telescopic legs make sure that the spray system fits at all water depths between 35-55cm (you can ask for special legs if your basin's depth is different) and the universal luminaire mounting brackets can be installed at any position for optimum illumination. And there are some more smaller things like flow diverters in every water inlet of spray rings and flow straighteners on each nozzle (>5mm) that truly make a difference in performance and efficiency.

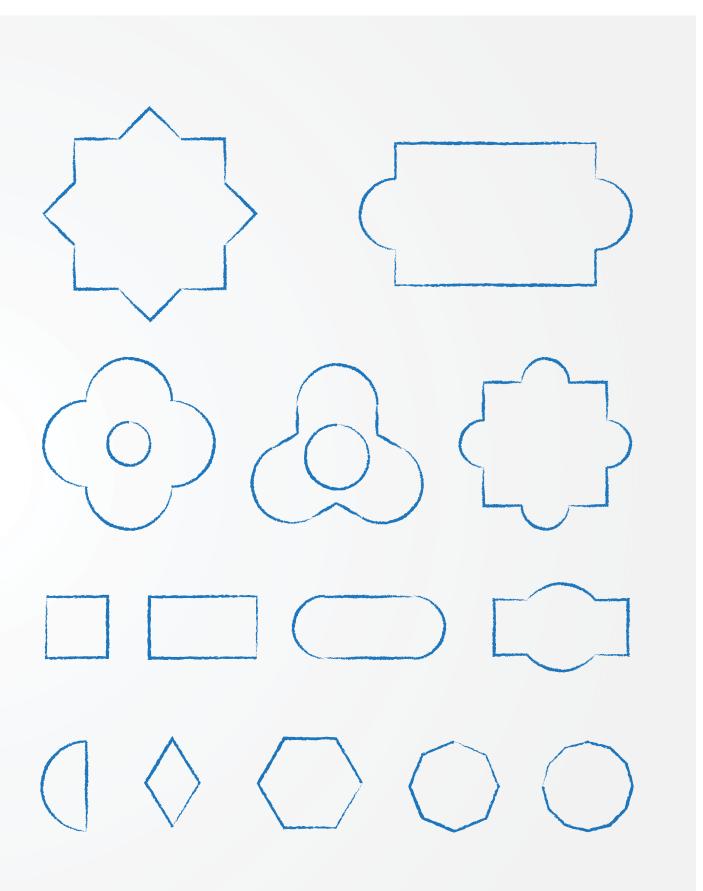
All parts are made of heavy duty, durable and non corrosive materials with the majority of them being made of AISI 304 stainless steel. (On request everything can be made of 316 stainless steel).

In the next pages you will find a guide to help you find the right equipment to breathe life into your inspiration. You can always contact us to help you out.

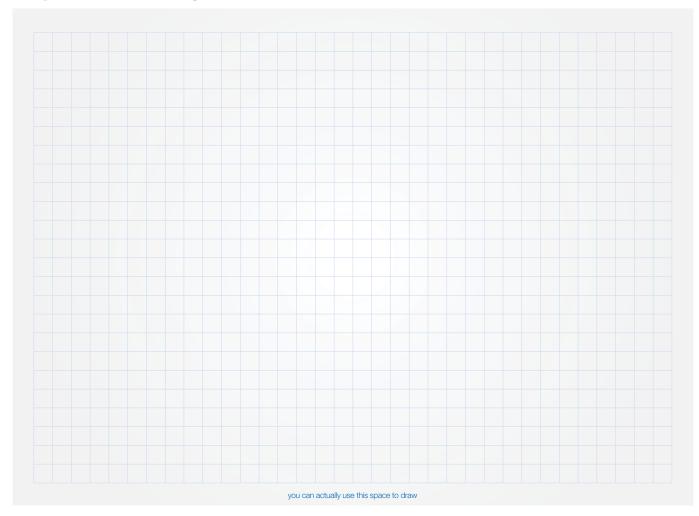
Our advice:

1. Don't forget the illumination of your fountain

2. Have fun designing your unique, personal fountain



Now it is so much easier to build the fountain you 've been dreaming of.



Step One Visualize your fountain

Step Two Sort the straight and curved lines in your design

۵	0	Θ	0
Length/Diameter: Quantity:	Length/Diameter:Quantity:	Length/Diameter:Quantity:	Length/Diameter:Quantity:
G	6	G	0
•	•	•	v
Length/Diameter: Quantity:	Length/Diameter:Quantity:	Length/Diameter:Quantity:	Length/Diameter:Quantity:



Step Three Find the spray line and spray ring parts that meet your design

from pages 352-363. Don't forget that you can order semi-rings by adding the suffix .SR on the base models code.

A Model:	Page:	Quantity:
B Model:	Page:	Quantity:
C Model:	Page:	Quantity:
D Model:	Page:	Quantity:
E Model:	Page:	Quantity:
F Model:	Page:	Quantity:
Model:	Page:	Quantity:
H Model:	Page:	Quantity:

Step Four

Check for additional fittings that you 'll need to assemble your fountain

	90° E	Elbow			Union Fittings	
	2"	SFA 9120	Quantity:	effa	2" SFA 9720	Quantity:
	2 ½"	SFA 9125	Quantity:	벌말	2 ½" SFA 9725	Quantity:
	4"	SFA 9130	Quantity:		4" SFA 9730	Quantity:
	45° E	Elbow			Hex Nipple	
\wedge	2"	SFA 9220	Quantity:	MAM	2" SFA 9620	Quantity:
	2 ½"	SFA 9225	Quantity:	l mAm	2 1/2" SFA 9625	Quantity:
	4"	SFA 9230	Quantity:		4" SFA 9630	Quantity:
	T - J				Ball Valve	2
السلارلسا	2"	SFA 9320	Quantity:	E A	2" SFA 9820	Quantity:
	2 ½"	SFA 9325	Quantity:	678	2 1/2" SFA 9825	Quantity:
	4"	SFA 9330	Quantity:		4" SFA 9830	Quantity:
	Coup	oling			Terminal Caps	
	2"	SFA 9420	Quantity:	I III ∩	2" SFC 9420	Quantity:
[]	~					
	2 2 ½"	SFA 9425	Quantity:		2 1/2" SFC 9425	Quantity:

All fittings are made of AISI 304 Stainless Steel. Available in 316 Stainless Steel on request.

Step Five Choose materials

O Standard materials As described on each part's page

O Entirely made of 316 Stainless Steel Choose this for aggressive, highly chlorinated or salty/sea water

Step Six Send us these 2 pages

Send them by e-mail at info@fontanafountains.com or use the contact details at the back of the catalogue

Hard to figure out? You can always send us only your design and we'll do our best to assist you in making your dream fountain real. Quickly, Easily, Hassle-free.

You can download and print another form from our website www.fontanafountains.com





Galaxy Spheres

An utterly spectacular and captivating, massive and yet delicate at the same time water effect is created by the Galaxy Spheres. The water pattern is generated by multiple water discs interlacing a dandelion-like shape. When in operation the distinctive shape of Galaxy Spheres is visible from long distances and especially when illuminated with single or multicolor illumination the view becomes truly stunning.

Galaxy Spheres are available in a wide range of standard dimensions (from 60cm up to 3.0 meters) but can be custom made up to 6 meters. They are the only fountain shapes that serve their purpose even when not in operation. When water is not flowing through the arms of Galaxy Spheres, they look like sculptures of modern art. Manufactured entirely of stainless steel, apart from being literally unaffected by corrosion, they look astonishing with their stylish shiny, silver polished finishing.

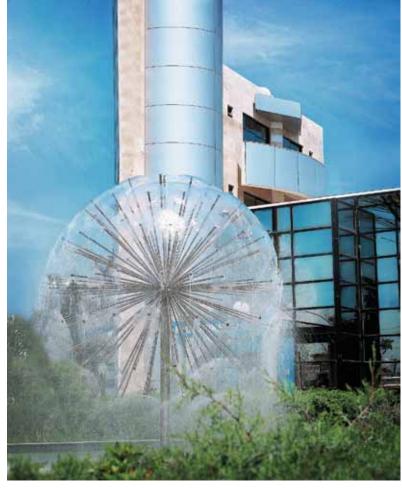
Galaxy Spheres are ideal for malls, parks and large-scale public areas, and they can be used in groups to create an even more impressive scene.

VISIBILITY ••••• WIND RESISTANCE •••• SOUND LEVEL •••• SPLASH •••

- > Dandelion water shape
- > Impressive when not in operation
- > Spectacular when in operation
- From 0.6 up to 3.0 meters standard (up to 6 meters on request)
- > Minimum flow capacity required
- Entirely stainless steel AISI 304 (316 on request)
- Stainless steel adjustable deflectors
- > Available with stainless steel bases
- Fine screening of water supply is required 2 mm









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The only one in the market with Stainless Steel Hub



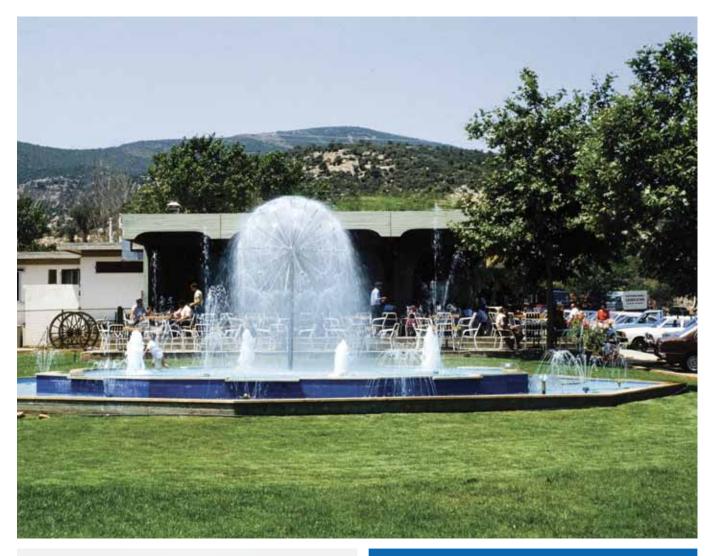


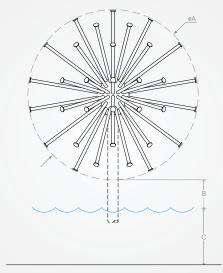
and Stainless Steel adjustable Deflectors



FONTANA 369







MODEL	Inlet		B (mm)	C (mm)	No of	Suction Strainer	Flow Pe	rformance
	BSP/NPT	(mm)	Suggested	Suggested	Arms	Openings (mm)	L/min	Head [m]
KG 106	6 2"	600	400	400	25	2.0	125	3.5
KG 108	8 2"	800	500	400	41	2.0	205	4.0
KG 209	2"	900	700	400	37	2.0	370	9.0
KG 312	21⁄2"	1200	850	400	61	2.0	610	9.0
KG 313	21⁄2"	1200	850	400	79	2.0	790	10.0
KG 315	21⁄2"	1500	1000	400	79	2.0	790	10.0
KG 316	4"	1500	1000	400	127	2.0	1270	10.0
KG 320	21⁄2"	2000	1250	500	79	2.0	790	10.0
KG 321	4"	2000	1250	500	127	2.0	1270	10.0
KG 425	4"	2500	1250	500	127	2.0	1270	10.0
KG 430	4"	3000	1750	500	173	2.0	1730	11.0

Bases for submersible or dry pumps are optional. See page 374. Fine screening at the pump is required. Flow adjusting valve or bypass valve is required.





Galaxy Hemispheres

WIND RESISTANCE

VISIBILITY

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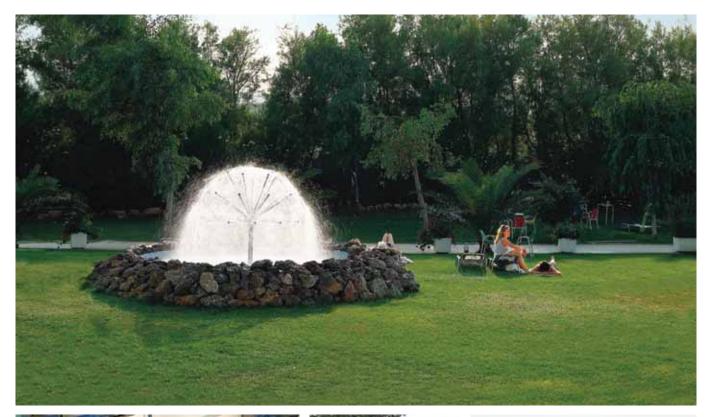
FUNT

Galaxy Hemispheres, just like Spheres create an utterly spectacular, massive and yet delicate at the same time water effect. The water pattern is generated by multiple water discs interlacing a half-dandelion shape. The distinctive shape is visible from long distances and especially when illuminated with single or multicolor illumination the view becomes truly stunning. Due to the fact that less arms/outlets are used to create a similarly sized effect to the Sphere models, the Hemispheres are considered the efficient option among Galaxies. When water is not flowing through the arms of Galaxy Spheres, they look like sculptures of modern art with their stylish shiny, silver polished finishing.

SOUND LEVEL

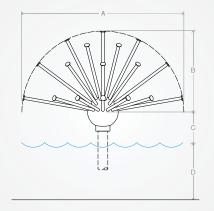
SPLASH

- > Half-Dandelion water shape
- > Impressive when not in operation
- > Spectacular when in operation
- From 0.6 up to 3.0 meters standard (up to 6 meters on request)
- Entirely stainless steel AISI 304 (316 on request)
- Stainless steel adjustable deflectors
- Available with stainless steel bases
- Fine screening of water supply is required - 2 mm









Head [m]
3.0
3.0
7.0
7.0
7.0
8.0
8.0
9.0

Bases for submersible or dry pumps are optional. See page 374. Fine screening at the pump is required. Flow adjusting valve or bypass valve is required.

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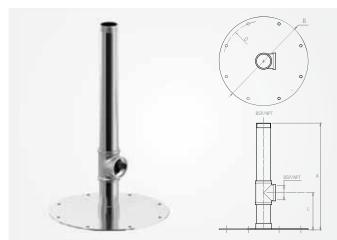
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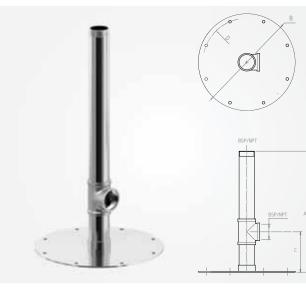
ESSENTIAL ACCESSORIES FOR GALAXIES

Mounting System for Galaxy Hemispheres BGH Series



MODEL	Inlet BSP/NPT	A (mm)	B (mm)	C (mm)	D (mm)	Holes	for Galaxy Model
BGH 106	2"	535	235	150	205	6 x ø10	KH 106
BGH 108	2"	535	235	150	205	6 x ø10	KH 108
BGH 209	2"	616	235	150	205	6 x ø10	KH 209
BGH 212	21⁄2"	600	480	200	435	8 x ø14	KH 212
BGH 215	21⁄2"	700	480	200	435	8 x ø14	KH 215
BGH 320	21⁄2"	700	480	200	435	8 x ø14	KH 320
BGH 325	3"	800	480	200	435	8 x ø14	KH 325
BGH 430	4"	800	750	200	690	8 x ø18	KH 430

Mounting System for Galaxy Spheres BGS Series

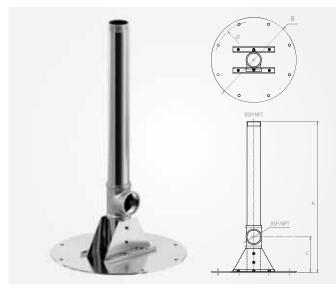


MODEL	Inlet BSP/NPT	A (mm)	B (mm)	C (mm)	D (mm)	Holes	for Galaxy Model
BGS 106	2"	1010	320	150	285	6 x ø11	KG 106
BGS 108	2"	1210	320	150	285	6 x ø11	KG 108
BGS 209	2"	1455	480	200	435	8 x ø14	KG 209

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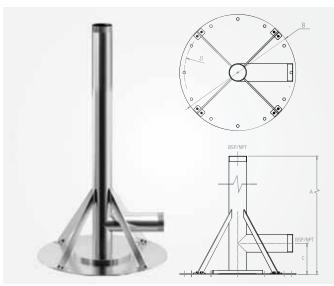


Heavy Duty Mounting System for Galaxy Spheres BGS Series



MODEL	Inlet BSP/NPT	A (mm)	B (mm)	C (mm)	D (mm)	Holes	for Galaxy Model
BGS 312	2½"	1725	480	200	435	8 x ø14	KG 312
BGS 313	2½"	1725	480	200	435	8 x ø14	KG 313
BGS 315	2½"	2025	480	200	435	8 x ø14	KG 315
BGS 316	4"	1970	480	200	435	8 x ø14	KG 316
BGS 320	2½"	1725	480	200	435	8 x ø14	KG 320
BGS 321	4"	1670	480	200	435	8 x ø14	KG 321

Heavy Duty Mounting System for Large Galaxy Spheres BGS Series



MODEL	Inlet BSP/NPT	A (mm)	B (mm)	C (mm)	D (mm)	Holes	for Galaxy Model
BGS 425	4"	2820	750	200	690	12 x ø18	KG 425
BGS 430	4"	3570	750	200	690	12 x ø18	KG 430



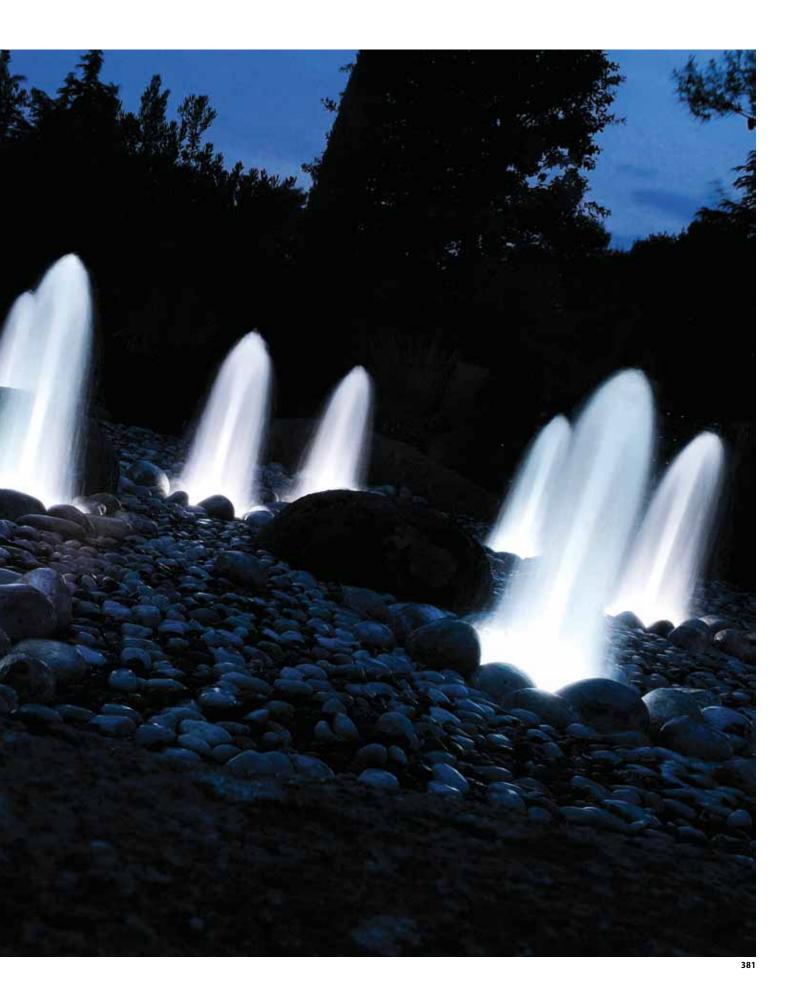


Dry Deck Fountains The fun side of water





There is some kind of magic when you see water coming out of the ground.



Uniqueness.

Dry Deck fountains are something different & radical in every manner. Such fountains are designed with uniqueness being the most important factor and inevitably every such fountain project is unique both design- and construction-wise. Some designs involve delicate water streams popping out of a mall's main plaza, creating water balls and other effects for children to play and grownups to gaze, while others involve massive water streams coming out of rocks, resembling to natural geysers both in form and effect.

Another "hidden" part of uniqueness is the infrastructure of such fountains. A shopping mall in Europe with a parking lot beneath the fountain has entirely different requirements than a roundabout with all national wires and pipes of Kuwait passing under it.

In the following pages you will find a range of the most common kits for dry-deck applications, but we have the flexiblity, the experience and the machines to design and manufacture unique solutions matching the unique requirements of any kind of dry-deck fountains.

Visit our website for more detailed specifications and don't hesitate to contact us to discuss about your dry-deck fountain. We can assist you in all stages – from concept design to installation & programming of interactive jets.









FPK 1000 Series Slab Hanger Constant Flow Dry Deck Kit

One of the most popular solutions for Dry Deck Fountains. This kit is Constant Flow (not programmable) and made entirely of Stainless Steel. It is designed to be safe to walk on top as it is absolutely flat, it's flush-mounted and it can be combined with a wide range of nozzles.

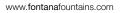
This kit incorporates 2 XL 300 solid unibody luminaires in RGB or White color for incredible illumination performance on every type of water effect. Even though you cannot create choreographies with this kit, the luminaires can create impressive, million-color, Light Shows and if combined with a VFD on the Pump, spectacular results can be achieved. This Dry Deck kit comes with square or round cover, it contains a flow valve for spray height adjustment and all nozzles come with a swivel connection to be easily aligned. The heavy duty, all stainless steel construction offers excellent impact & corrosion resistance and allows for truly easy installation and maintenance.

FPK 1000 series

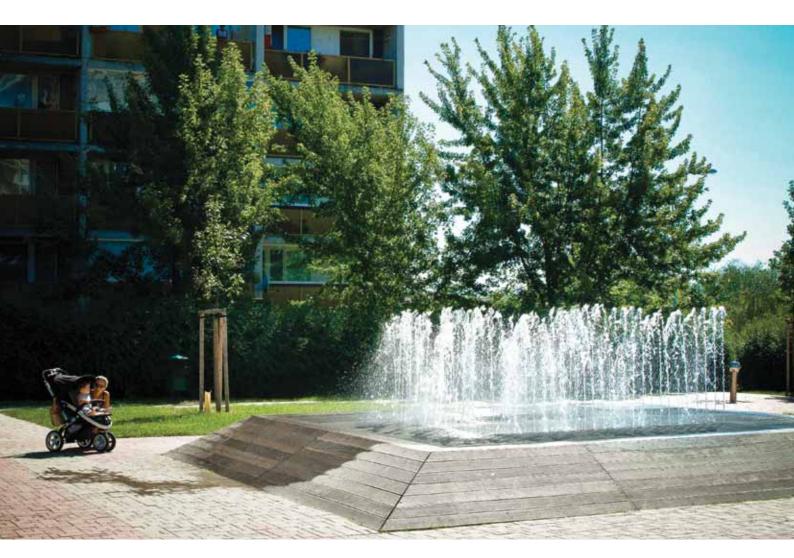
Illumination:	2 x XL 300 RGB - Each luminaire: 3 High Power LEDs 219 lm 6W 12-24V DC Optional White Color (.W) - Each luminaire: 3 High Power LEDs 865 lm 12.5W 12-24V DC
Nozzles:	This unit can be combined with any 1" or 1½" nozzle. Highly Recommended: Clear Water: Smooth Bore with any orifice between 8 and 20mm, Hollow Frothy Water: Foam, Fizz Heads: Cluster, Lily, Fleur de Lis, Bouquet - <i>with flat surface to be trip-safe</i>
Material:	All Stainless Steel
Cables:	3.0 Meters waterproof cables 5M, 10M or custom length on request
Cover:	Square (.SQ) or Round (.R) Dimensions: 400 x 400 mm

Constant Flow Dry Deck Kit

- > No Flow Performance Loss
- Flush Mounted / Trip-safe
- Designed to be safe to walk on top
- AISI 304 Stainless Steel Construction (available in 316)
- > Wide selection of Nozzles & Heads
- > 2 x XL 300 RGB luminaires (Opt. White)
- Lights made of Stainless Steel unibody
- > Incredible Light Intensity & Vivid Colors
- > IP68 Protection Degree Class III
- > 16-Step Thermal Protection
- Stylish Design & Finishing
- High corrosion and impact resistance
- > Includes flow valve
- Microprocessors on each luminaire
- Easy & Fast Installation
- Available with Round or Square Cover







FPK 2000 Series Constant Flow Dry Deck Kit with Niche & Drain Filter



With Square Cover

- > Stylish Design & Finishing
- High corrosion and impact resistance
- Includes flow valve
- Microprocessors on each luminaire
- Easy & Fast Installation



FPK 2000 series is essentially the popular FPK 1000 Dry Deck Kit with the addition of a niche and a handy Drain Filter for in-concrete installation. This kit is Constant Flow (not programmable) and made entirely of Stainless Steel. It is designed to be safe to walk on top as it is absolutely flat, it's flush-mounted and it can be combined with a wide range of nozzles.

The stainless steel niche offers sufficient inner space for installation, adjustment and maintenance, while the large-area Drain Filter makes sure that no debris will clog the drain line or end up in the holding tank. This Dry Deck kit incorporates 2 XL 300 solid unibody luminaires in RGB or White color for incredible illumination performance on every type of water effect. These luminaires can create impressive, million-color, Light Shows and if combined with a VFD on the Pump, spectacular results can be achieved. This kit also includes a flow valve for spray height adjustment and a swivel connection on all nozzles for perfect alignment. It comes with square or round cover and the heavy duty, all stainless steel construction offers excellent impact & corrosion resistance.



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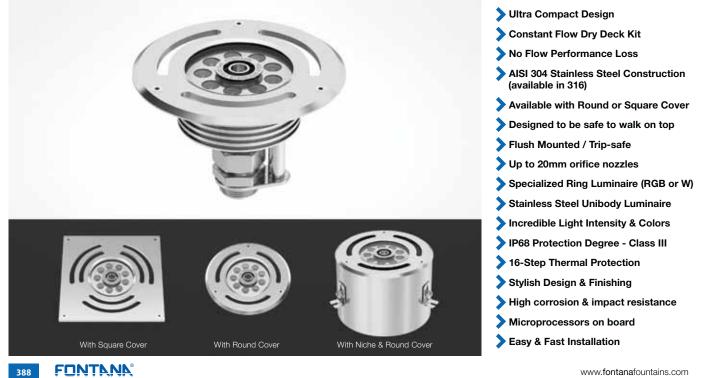
FPK 2000 series

Illumination:	2 x XL 300 RGB - Each luminaire: 3 High Power LEDs 219 lm 6W 12-24V DC Optional White Color (.W) - Each luminaire: 3 High Power LEDs 865 lm 12.5W 12-24V DC
Nozzles:	This unit can be combined with any 1" or 1½" nozzle. Highly Recommended: Clear Water: Smooth Bore with any orifice between 8 and 20mm, Hollow Frothy Water: Foam, Fizz Heads: Cluster, Lily, Fleur de Lis, Bouquet - <i>with flat surface to be trip-safe</i>
Material:	All Stainless Steel
Cables:	3.0 Meters waterproof cables 5M, 10M or custom length on request
Cover:	Square (.SQ) or Round (.R) Dimensions: 350 x 350 mm





FPK 3000 Series Constant Flow Dry Deck Kit with Ring Illumination



Incredibly Uniform Illumination Ultra-Compact Construction

This ultra-compact Dry Deck kit incorporates a specialized Ring Luminaire, made of a stainless steel solid unibody with 9 incredibly bright and vivid high-power LEDs and all the advanced technologies of TheSmartLED[™] series. This luminaire offers remarkably uniform illumination and can create stunning, million-color, Light Shows.

FPK 3000 is one of the smallest Dry Deck kits in the market and the optimal solution for a wide range of applications. It is perfect for complex designs that require dense arrangement of streams, for example ones that form a distinctive shape. This kit is Constant Flow, but on request it can be supplied with the switching mechanism of FPK 7000 series for individual control of every nozzle. It is made entirely of Stainless Steel for excellent corrosion & impact resistance and it is designed to be safe to walk on top, as it is absolutely flat. Any type of Smooth Bore nozzles with orifice of up to 20 mm can be utilized and the integral ±15° swivel of the nozzles allows for perfectly vertical streams. FPK 3000 Dry Deck kits come with square or round cover and a niched version is also available.



FPK 3000 series

Illumination:	Specialized RGB Ring Luminaire - 9 High Power LEDs 657 lm 20W 12-24V DC Optional White Color (.W) - 2595 lm 36W 12-24V DC
Cables:	3.0 Meters waterproof cables 5M, 10M or custom length on request
Nozzles:	This unit can be combined with any Smooth Bore with orifice of up to 20 mm
Material:	All Stainless Steel
Cover:	Square (.SQ) or Round (.R) .SQ Dimensions: 200 x 200 mm .R Dimensions: 170 x 170 mm
Niche:	Optional (.N) - Diameter: 168 mm



We developed a revolutionary mechanism to create this effect.





Sequencing Effects





FPK 5000 Series Programmable Dry Deck Kit with 100V Submersible Pump



With Square Cover

FONTANA

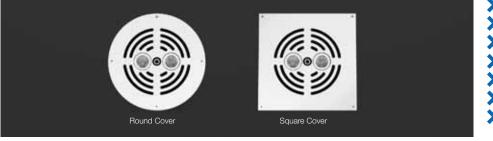
392



With Niche & Square Cover



Niche Inside View



- > Programmable Dry Deck Kit Includes a 520W / 100V Safety Pump Stainless Steel Pump with S.S. Filter > Available with Round or Square Cover Flush Mounted / Trip-safe Designed to be safe to walk on top > AISI 304 Stainless Steel Construction (available in 316) > Wide selection of Nozzles & Heads Stainless Steel unibody Luminaires RGB or White luminaires Incredible Light Intensity & Colors > IP68 Protection Degree - Class III > 16-Step Thermal Protection Stylish Design & Finishing > High corrosion and impact resistance > Includes flow valve Microprocessors on each luminaire
- Easy & Fast Installation



FPK 5000 Dry Deck Kits are equipped with a 100V / 50Hz safety pump for individual control of every stream and water choreographies. A major advantage of these kits is the simplicity of the infrastructure. There is no need for holding tanks, pumping rooms, dry pumps or whatsoever. FPK 5000 Dry Deck kits contain everything required and can literally create endless water effects.

The heavy duty, all stainless steel housing incorporates the stainless steel pump with its filter, 2 XL 300 RGB luminaires for million-color Light Shows, a flow valve for spray height adjustment and each nozzle's swivel permits easy alignment of the streams. FPK 5000 comes with square or round cover, it is flush mounted and it is absolutely safe to walk on top of it. The entire kit is remarkably resistant to impacts and corrosion and allows for easy & fast installation and maintenance. You can always contact us to assist you in the design of your Dry Deck fountain and also design and create a spectacular choreography, or you can easily create one with the incredible FCU (page 430). Note that the pump must be connected to a safety transformer.



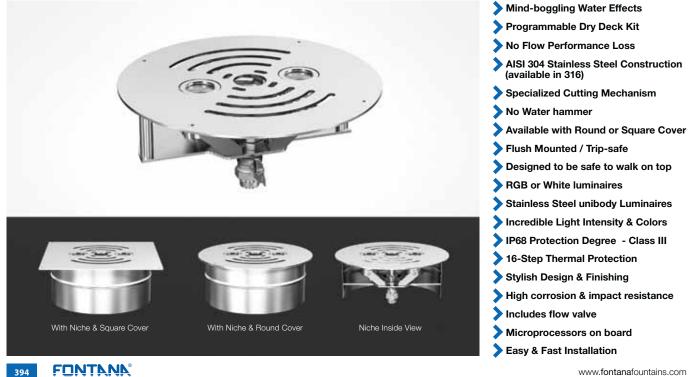
FPK 5000 series

Pump:	520W / 100V 50Hz Submersible Pump Made of Stainless Steel with S.S. Filter Max. Flow: 186.6L/min Max. Head: 8m Also Available: 320W / 100V 50 Hz Max. Flow: 141.6L/min Max. Head: 6m
Illumination:	2 x XL 300 RGB - Each luminaire: 3 High Power LEDs 219 lm 6W 12-24V DC Optional White Color (.W) - Each luminaire: 3 High Power LEDs 865 lm 12.5W 12-24V DC
Material:	All Stainless Steel
Cables:	3.0 Meters waterproof cables 5M, 10M or custom length on request
Nozzles:	This unit can be combined with any 1" or 1½" nozzle. Highly Recommended: Clear Water: Smooth Bore with any orifice between 8 and 20mm, Hollow Frothy Water: Foam, Fizz Heads: Cluster, Lily, Fleur de Lis, Bouquet - <i>with flat surface to be trip-safe</i>
Cover:	Square (.SQ) or Round (.R) Dimensions: 350 x 350 mm
Niche:	Optional (.N) - Diameter: 250 mm





FPK 6000 Series Programmable Dry Deck Kit with Cutting Mechanism

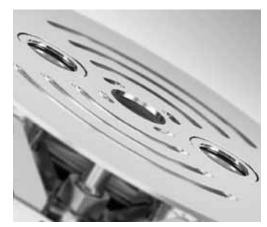


FONTANA



This type of Dry Deck kits includes a truly revolutionary, in-house developed mechanism that actually "cuts" the water stream instead of diverting it. The cutting mechanism is placed right on top of the nozzle, thus not affecting the flow performance of the nozzle and resulting in greater energy efficiency and also avoiding water hammer. The main advantage of this mechanism is that it can create mind-boggling water effects. Being able to cut the stream in lightning speeds, it can create balls of water travelling in the air – a stunning & unique water effect – or jellyfish-type of effects and numerous other special water patterns.

A set of 2 RGB XL 300s (or white on request) are responsible for the uniform and vivid illumination of the streams and they can perfectly illuminate the water balls as they travel in the air offering an unparalleled spectacle. These luminaires are made of a solid stainless steel unibody and feature all the advanced technologies of TheSmartLEDs. The all stainless steel FPK 6000 Dry Deck kits come with round or square covers and they are absolutely safe to walk on top of them as they are perfectly flat. They also provide superior impact & corrosion resistance and can be easily installed either as slab hangers or niched. The integrated flow valve and the nozzle's swivel allow for perfect alignment and spray height adjustment. These units can be easily controlled through the FCU (pg. 430), giving you full flexibility to create your own stunning water & light show or we can create it for you.



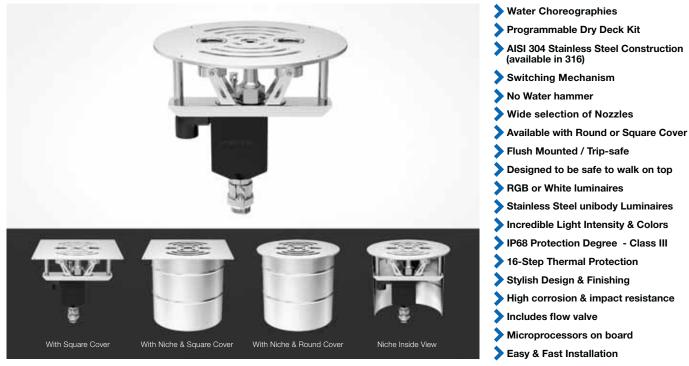
FPK 6000 series

Cutting Mechanism:	108W Low-Voltage 24V DC, Stainless Steel Cutting Mechanism for advanced, high-speed water effects (e.g. water balls) & Individual Control of every stream
Illumination:	2 x XL 300 RGB - Each luminaire: 3 High Power LEDs 219 lm 6W 12-24V DC Optional White Color (.W) - Each luminaire: 3 High Power LEDs 865 lm 12.5W 12-24V DC
Nozzles:	This unit can be combined with any Smooth Bore with orifice of up to 13mm for spray height of up to 2.5 meters
Material:	All Stainless Steel
Cables:	3.0 Meters waterproof cables 5M, 10M or custom length on request
Cover:	Square (.SQ) or Round (.R) - 400 x 400 mm
Niche:	Optional (.N) - Diameter: 350 mm





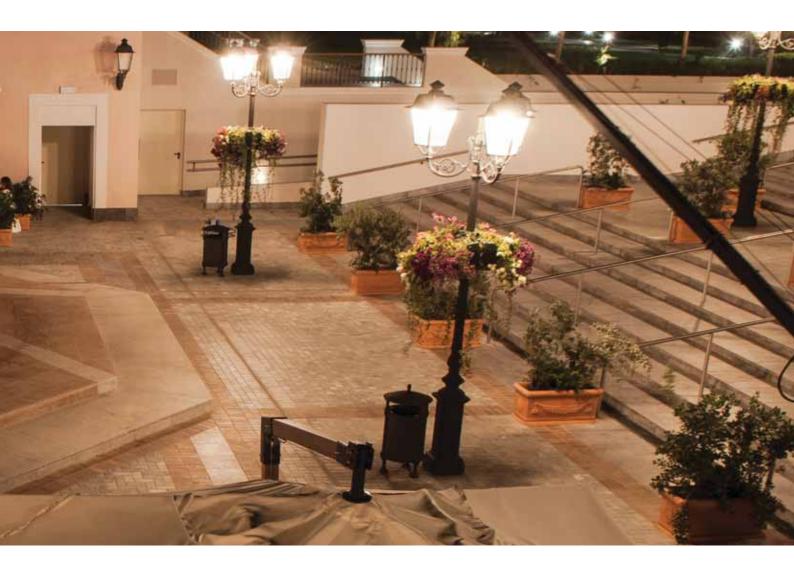
FPK 7000 Series Programmable Dry Deck Kit with Switching Mechanism



www.fontanafountains.com

Wide selection of Nozzles

FONTANA 396



This Dry Deck kit utilizes a switching mechanism – a sophisticated device that is based on a solenoid which by diverting the atmospheric air intake, it diverts the water flow either to the nozzle or to the drain outlet, without producing water hammer. This switching mechanism allows for individual control of every nozzle and a series of water effects.

FPK 7000 incorporates 2 XL 300 solid unibody luminaires in RGB or White color for incredible illumination performance on every type of water effect. These luminaires can create impressive, million-color, Light Shows and if combined with VFD(s) on the Pump(s), spectacular results can be achieved. The heavy duty, all stainless steel housing also incorporates a flow valve for spray height adjustment and each nozzle's swivel permits easy alignment of the streams. It comes with square or round cover, it is flush mounted and it is absolutely safe to walk on top of it. The entire kit is remarkably resistant to impacts and corrosion and its design allows for easy & fast installation and maintenance. These units can be easily controlled through the FCU (pg. 430), giving you full flexibility to create your own stunning water & light show or we can create it for you.



FPK 7000 series

Switching Mechanism:	Low-Voltage 12V or 24V DC Switching Mechanism for individual control of every stream
Illumination:	2 x XL 300 RGB - Each luminaire: 3 High Power LEDs 219 lm 6W 12-24V DC Optional White Color (.W) - Each luminaire: 3 High Power LEDs 865 lm 12.5W 12-24V DC
Nozzles:	This unit can be combined with any 1" or 1½" nozzle. Highly Recommended: Clear Water: Smooth Bore with any orifice between 8 and 20mm, Hollow Frothy Water: Foam, Fizz Heads: Cluster, Lily, Fleur de Lis, Bouquet - <i>with flat surface to be trip-safe</i>
Material:	All Stainless Steel with plastic switch body
Cables:	3.0 Meters waterproof cables 5M, 10M or custom length on request
Cover:	Square (.SQ) or Round (.R) - 400 x 400 mm
Niche:	Optional (.N) - Diameter: 350 mm

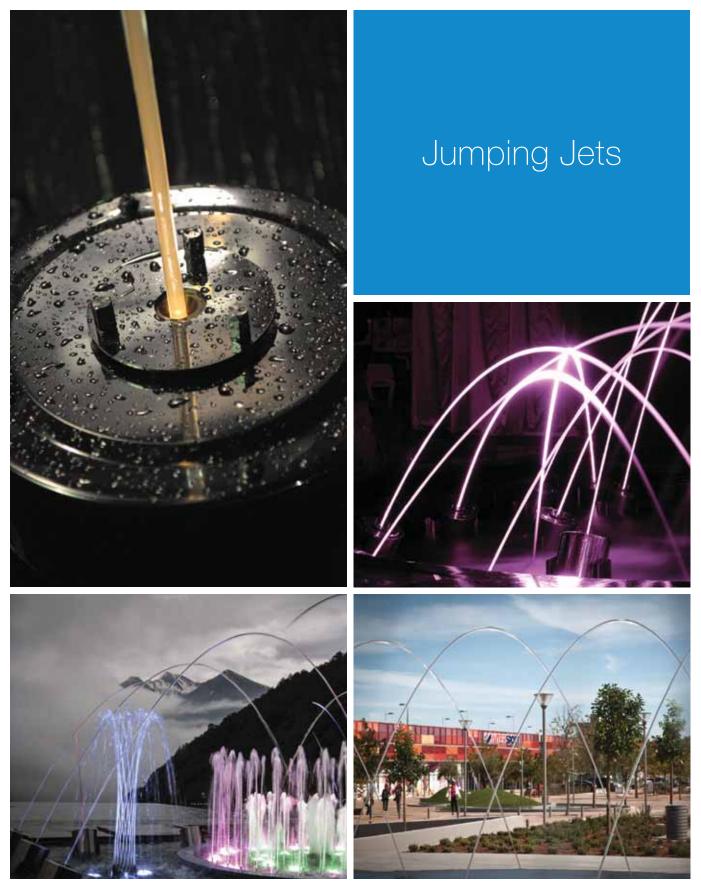






1.

I. Co	nfiguration	2. Cover Design	3. Nozzle	4. Lights	5. Part Nr.
. 00	~ 				
Constant Flow	FPK 1000 Series Slab Hanger	Round	Smooth Bore 14mm	RGB	FPK 1010.R.C
	Slab Hangel			White	FPK 1010.R.W
			Smooth Bore 20mm	RGB	FPK 1020.R.C
				White	FPK 1020.R.W
ü			Cluster	RGB	FPK 1050.R.C
ပ	I AL			White	FPK 1050.R.W
	10	Square	Smooth Bore 14mm	RGB	FPK 1010.SQ.C
				White	FPK 1010.SQ.W
	2 C		Smooth Bore 20mm	RGB	FPK 1020.SQ.C
				White	FPK 1020.SQ.W
			Cluster	RGB	FPK 1050.SQ.C
				White	FPK 1050.SQ.W
	FPK 2000 Series with Standard Niche & Drain Filter	Round	Smooth Bore 14mm	RGB	FPK 2010.R.C
				White	FPK 2010.R.W
			Smooth Bore 20mm	RGB	FPK 2020.R.C
	Camero Camero			White	FPK 2020.R.W
			Cluster	RGB	FPK 2050.R.C
		Courses	Omenth David 1	White	FPK 2050.R.W
		Square	Smooth Bore 14mm	RGB	FPK 2010.SQ.C
			Omenth Dave 00	White	FPK 2010.SQ.W
			Smooth Bore 20mm	RGB	FPK 2020.SQ.C
			Ohistori	White	FPK 2020.SQ.W
			Cluster	RGB	FPK 2050.SQ.C
				White	FPK 2050.SQ.W
	FPK 3000 Series Compact with Ring Illumination	Round	Smooth Bore 12mm	RGB	FPK 3010.R.C
	Compact with hing indrinnation		0 11 0 11	White	FPK 3010.R.W
			Smooth Bore 14mm	RGB	FPK 3020.R.C
				White	FPK 3020.R.W
		Square	Smooth Bore 12mm	RGB	FPK 3010.SQ.C
	AL.			White	FPK 3010.SQ.W
			Smooth Bore 14mm	RGB	FPK 3020.SQ.C
			Smooth Poro 14mm	White	FPK 3020.SQ.W
	FPK 5000 Series With 100V Submersible Pump	Round	Smooth Bore 14mm	RGB White	FPK 5010.R.C FPK 5010.R.W
			Smooth Bore 20mm	RGB	FPK 5010.R.W
			Smooth Bore Zomm	White	FPK 5020.R.W
			Foam	RGB	FPK 5030.R.C
ŝ	Contraction of the second s			White	FPK 5030.R.W
ect	A	Square	Smooth Bore 14mm	RGB	FPK 5010.SQ.C
Ξ.	1.P			White	FPK 5010.SQ.W
ble			Smooth Bore 20mm	RGB	FPK 5020.SQ.C
ma				White	FPK 5020.SQ.W
Programmable Ef			Foam	RGB	FPK 5030.SQ.C
gra		David	Ownersthe Dec. 10	White	FPK 5030.SQ.W
Pro	FPK 6000 Series With Cutting Mechanism	Round	Smooth Bore 13mm	RGB	FPK 6013.R.C
				White	FPK 6013.R.W
		Square	Smooth Bore 13mm	RGB	FPK 6013.SQ.C
		-900.0	2.1.0001 2010 101111		
	2			White	FPK 6013.SQ.W
	FPK 7000 Series	Round	Smooth Bore 14mm	RGB	FPK 7010.R.C
	With Switching Mechanism			White	FPK 7010.R.W
			Smooth Bore 20mm	RGB	FPK 7020.R.C
				White	FPK 7020.R.W
			Foam	RGB	FPK 7030.R.C
				White	FPK 7030.R.W
		Square	Smooth Bore 14mm	RGB	FKP 7010.SQ.C
				White	FPK 7010.SQ.W
			Smooth Bore 20mm	RGB	FKP 7020.SQ.C
				White	FKP 7020.SQ.W
			Foam	RGB	FKP 7030.SQ.C
				White	FKP 7030.SQ.W
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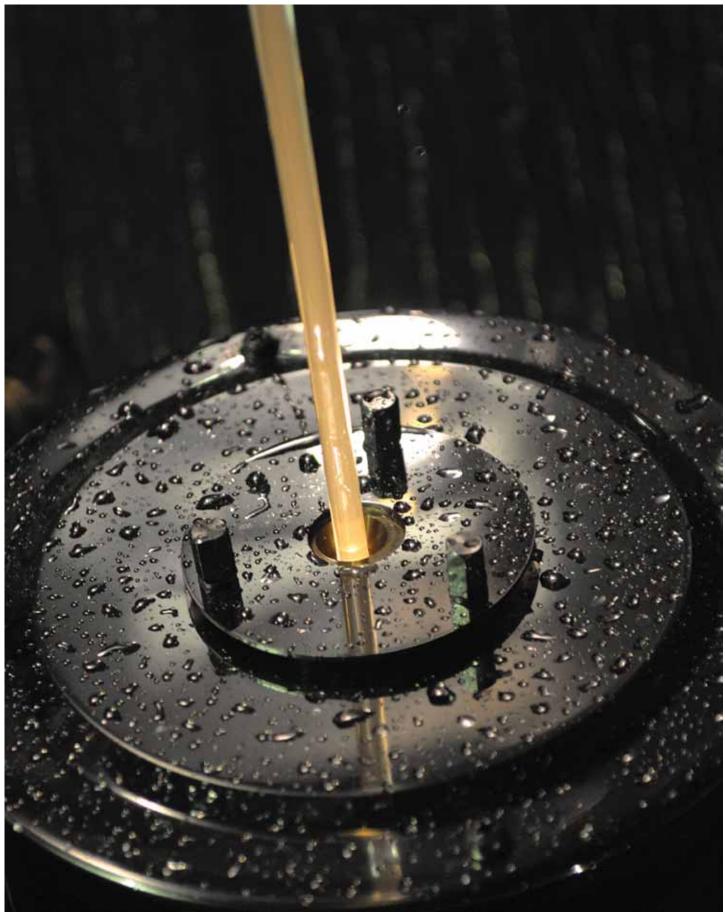
Jumping Jets. A mind-blowing water effect that defies the laws of gravity and fluid physics. It is essentially a water rod, so steady that resembles to glass and yet so lively. This glass-like stream always follows its arc-shaped, parabolic trajectory without falling under it. Seeing this special water effect closely is an astonishing experience both day and night with its amazing million-color light spectrum.

We precisely engineered and manufactured these jets to be absolutely stunning, in every manner. Constructionwise, they are entirely made of stainless steel, inside-out, to insure the integrity of the jet & the water effect and remain pristine under the harshest adversities for years to come even when operating overtime. Engineering-wise, we developed a remarkable low voltage Cutting Mechanism which is not based in motors or solenoids with incredible characteristics like droplet-free cutting and 10 bursts per second. Illumination-wise, we incorporated an amazing 8W, RGBW, 4-core, single chip luminaire with exceptionally vivid colors to uniformly illuminate the water stream internally in its entire length. Electronics-wise, we made Jumping Jets capable to be controlled over a multitude of platforms - from simple electronic panels, to PLCs, to DMX, to BMS systems, even through iPad.



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FONTANA 401





Jumping Jets. A mind-blowing water effect that defies the laws of gravity and fluid physics. It is essentially a water rod, so steady that resembles to glass and yet so lively. This glass-like stream always follows its arc-shaped, parabolic trajectory without falling under it. Seeing this special water effect closely is an astonishing experience both day and night with its amazing million-color light spectrum.

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Precision is the essence of Jumping Jets and in order to achieve the highest quality available in the market, we utilize an array of state-of-the-art machinery like laser cutters and CNCs to manufacture these jets; for instance, the stainless steel nozzle has a tolerance of 0.001 mm.

Jumping Jets have a certain wow-factor; they have a special way in attracting audience and becoming the focal point wherever installed, in open pools, in dry-deck applications, inside or outside¹. These jets are always the water shape of choice, for events, music halls, theaters, malls, amusement parks, hotels & high-end residential applications.

¹ Jumping Jets' water effect is vulnerable to windy conditions and water quality. Always use clear/treated water.

- Mind-Blowing Water Effect
- Glass-like Water Stream
- > 4 Nozzles to choose from
- Entirely made of 304 Stainless Steel (316 on request)
- Stainless Steel Nozzle
- > Remarkable Construction Quality
- Advanced Cutting Mechanism for droplet-free & high speed cutting
- Intense, Vivid Illumination in the entire arc length
- > Wide Control Flexibility



A mind-blowing water effect with remarkable durability.

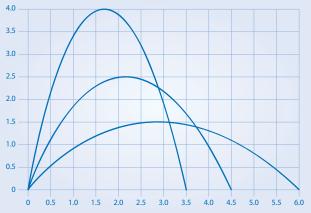
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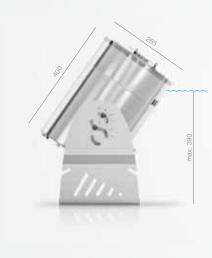
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Jumping Jet Fact Sheet



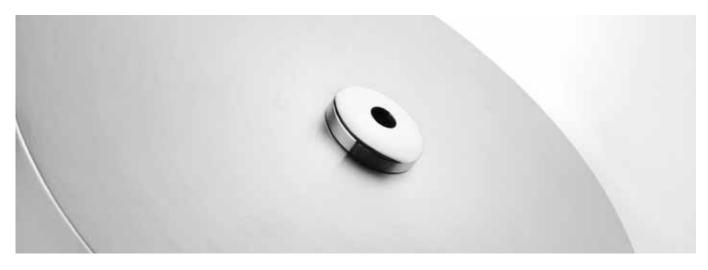
Fontana Jumping Jet MXP 3000

Description:	Creates a glass-like water stream, features an advanced low-voltage cutting mechanism for endless water effects with high speed bursts, a low-voltage 8W four-core, single chip RGBW luminaire with addressable module, 16-step thermal protection and reverse-polarity protection, housing entirely made of stainless steel with stainless steel nozzle and a heavy duty base with smart arrangement and laser-marked guides of installation angles.			
Inlet:	1" BSP/NPT			
Nozzle:	Standard 12mm - Optional: 10, 14, 16 mm			
Light:	8W 12-24V DC RGBW led:bus equipped with addressable module for DMX connection			
Cutting Mechanism:	108W 24V DC			
Optimal Operation:	In or out of water (max. depth 390mm), 5 microns filtrated water, windless conditions, 15°-85° off horizontal axis spray angle			

If the crystal, glasslike water stream & the "jumping effect" of Jumping Jets is described as magical, a walk through an array of them can become an unreal experience.



The secret behind splash-free cutting is in the architecture of the cutting mechanism. Jumping Jets are made to pop, burst, jump. Over and over. Day after day. We couldn't rely on low-end solenoid or low-torque micro-motor (servo or step) based solutions. We designed from scratch a brand new type of cutting mechanism. Its reliability and high speed cutting lies in the simplicity of its design and the splash-free cutting's secret is in the architecture of the two-stage (optionally three-stage) internal drop-catcher. This piece of precision engineering and manufacture is what ensures you have a ruin-free, splash-free crystal clear water stream flying in the air. Beautiful to see, challenging to conceive.



The principle of Jumping Jets is the glass-like water stream which makes it look totally still and lively at the same time. The nozzle inside jumping jets is what forms this water effect, and this is why we made this nozzle out of Stainless Steel. It's literally never, ever, going to corrode, tarnish or disintegrate in any way. Especially not by the medium it flows through it – water. Other Jumping Jets in the market are equipped with brass or bronze nozzles, which is a plain oxymoron as these nozzles tend to corrode by water itself. We did our best to create a beautiful and durable Jumping Jet of exceptional quality materials with remarkable water output and truly innovative features in every aspect.

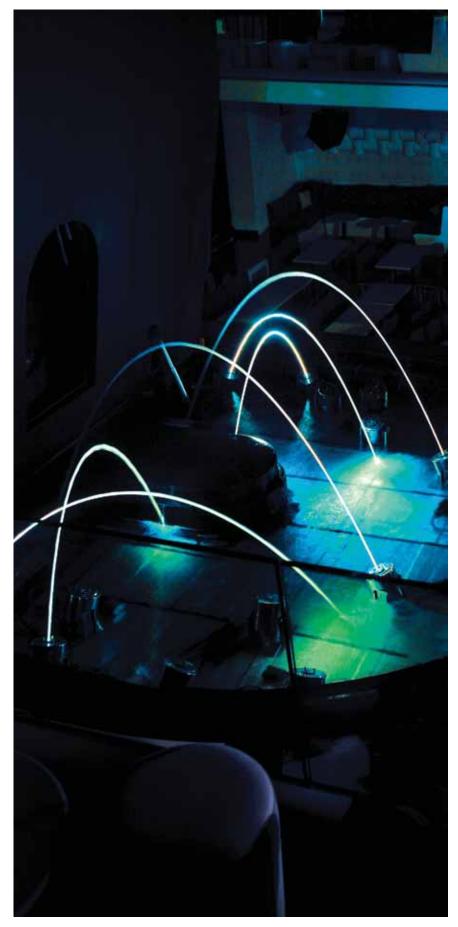
The only Jumping Jet with stainless steel nozzle inside.













Intense, Vivid, Colorful RGBW Illumination

Fontana Jumping Jets feature an amazing 8W, singlechip, four-core RGBW LED luminaire inside – a cuttingedge member of TheSmartLED[™] family which offers exceptionally intense illumination & millions of vivid colors. Stunning illumination, low energy consumption and an amazing lifespan of nearly 100.000 hours, lead to the brightest and most energy efficient Jumping Laminar Streams.

Apart from Red, Green and Blue cores, this luminaire sports a fourth one: White, which multiplies the available color spectrum by another 256 steps. This translates to more vibrant colors to choose from and amazing, dynamic light sequences.

These vibrant colors make jumping jets stand out in the dark and offer this amazing, magic kind of effect. The powerful luminaire makes sure that the light will travel through the entire stream, from the output of the nozzle up to where the stream meets the falling surface. You will also notice that the light creates a colorful glare in the falling point - exactly like fiber optics. Note that for the stream to be entirely illuminated, the water must be absolutely clear.

The luminaire of the Fontana Jumping Jets can be controlled by a Fontana RGBW controller or through DMX, giving full flexibility to the end user. You can select any color among an endless spectrum of vibrant hues or choose an RGBW sequence with variable speed. In applications with Jumping Jets in array arrangement, it is always fascinating to choose different colors for every jet and this luminaire is addressable to make it as easy as possible.



A thousand photos or descriptions cannot even come close to depicting the stunning effect of the Fontana Jumping Jets.



Scan this QR code with your smartphone or visit our youtube channel to watch the Fontana Jumping Jets in their full glory.

www.youtube.com/fontanafountains





Four choices to control Jumping Jets

FCU & Fountain Director



A brand new Fontana developed device with remarkable control characteristics and a bundled software that provides full control of every feature of a fountain. You can control each jumping jet separately, create your own water & light choreographies, configure automations such as water level and wind control and easily create the operation schedule.

Read more about the FCU on page 428.





A typical way to control Jumping Jets is through a universal PLC. Such a system is custom made according to the specifications of each application, regarding the amount of Jumping Jets to be controlled and the automation requirements. Note that an additional device is required to control the lights.

Contact us to design the appropriate PLCbased system for your application.

DMX Control



You can use your own DMX software or console or choose one of the available by Fontana ones and control the Jumping Jets. Take advantage of the endless capabilities of DMX applications, create choreographies and sequences both for water and light, and the Jumping Jets will follow them accordingly.

Contact us to design the appropriate DMX-based system for your application.

iPad



Engage with your Jumping Jets in an intuitive, fun and absolutely safe way. The iPad integration essentially gives you functionality that reaches the margins of magic. You can have your fountain run fully automated, but you can also take control, choose your favorite choreographies and light shows and also change them on the fly through the amazing iPad's interface.

Read more about iPad based control on page 424.







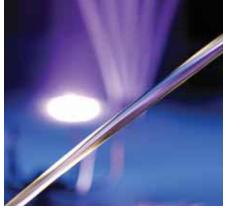


Laminar Jets. The amazing glass-like water stream, sans the popping effect.

Laminar Jets create the same type of glass-like, super-still, super-lively water rod like the Jumping Jets, but they are more compact-shaped, without the cutting mechanism. They feature the same incredible 8W, single-chip, four-core, addressable RGBW luminaire for intense, million-color illumination and they are entirely made of AISI 304 stainless steel (or 316 on request), equipped with a high precision stainless steel nozzle available in 4 diameters (12mm - standard, 10, 14, 16mm).











Charles Or

Fontana Fountains + Grundfos A life-long partnership committed to provide the best solution for every fountain.

Since day one of Fontana Fountains establishment, we always used Grundfos pumps to give life to our creations - a company that follows the same strict quality criteria and principles as we do.

Essentially, the pump is the heart that keeps a beautiful fountain running reliably day in, day out under the harshest conditions, and Grundfos pumps do much more than that. The innovations, the incredible technology and the expertise that come with each Grundfos pump guarantees the problem-free operation of a fountain for years to come.

For over 40 years we work closely together to provide the best solution for every fountain, combining flawless outcome, efficiency and reliable operation.

Submersible Pumps

FP 1 Series



16 1	.
A M	m

	FP 130	FP 150	FP 170
Power	240 W	380 W	780 W
Voltage 230V 50Hz		230V 50Hz	230V 50Hz
Pump Outlet G 1¼"		G 1¼"	G 1¼"
Max. Flow	100.2 L/min	166.8 L/min	233.4 L/min
Max. Head	5 m	7 m	9 m

> Pump made of Plastic

2

- Horizontal or vertical installation
- Easy installation & maintenance
- Pre-wired with 10 meters waterproof cable



Pump Performance



FP 3 Series



FP 330A

320 W

100V 50Hz

G 1¼"

141.6 L/min

6 m

FP 350

480 W

230V 50Hz

G 1¼"

186.6 L/min

7.5 m

FP 350A

520 W

100V 50Hz

G 1¼"

186.6 L/min

8 m

FP 370

700 W

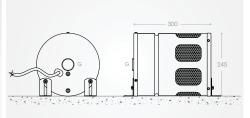
230V 50Hz

G 1¼"

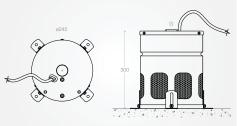
233.4 L/min

9 m

Horizontal Installation



Vertical Installation



- > High quality, highly reliable submersible pump
- > Made entirely of stainless steel AISI 304
- > Horizontal or vertical installation
- Nozzle can be installed directly on pump
- > 3x6mm particle filter
- > Easy installation & maintenance
- > Pre-wired with 10 meters waterproof cable

Head [m] 10 9 8 7 FP 350A FP 370 6 FP 350 5 FP 330A FP 330 4 3 2 0 12 24 36 48 60 72 84 96 120 144 180 192 204 228 240 L/min 108 132 156 168 216 Q Flow

Pump Performance

Power

Voltage

Pump Outlet

Max. Flow

Max. Head

FP 330

300 W

230V 50Hz

G 1¼"

141.6 L/min

5.5 m

FP 5 Series



FP 5033

0.9 KW

230V 50Hz

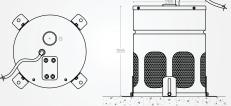
G 1½"

300.0 lpm

13 m

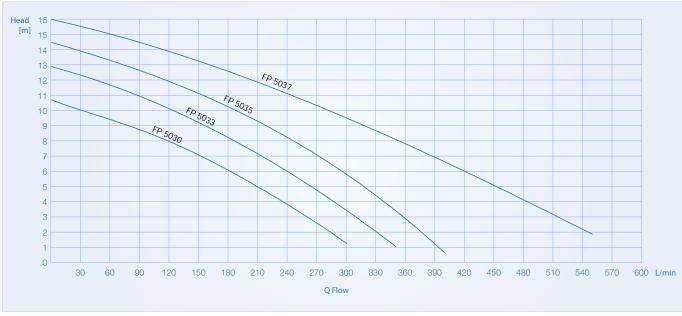
Vertical Installation

Horizontal Installation



>	High quality,	highly reliable	submersible pump
---	---------------	-----------------	------------------

- > Made entirely of stainless steel AISI 304
- > Horizontal or vertical installation
- Nozzle can be installed directly on pump
- > 3x6mm particle filter
- Easy installation & maintenance
- > Pre-wired with 10 meters waterproof cable



FP 5035

1.3 KW

230V 50Hz

G 1½"

349.8 lpm

15 m

FP 5037

1.7 KW

230V 50Hz

G 2"

499.8 lpm

17 m

Pump Performance

Power

Voltage

Pump Outlet

Max. Flow

Max. Head

FP 5030

0.7 KW

230V 50Hz

G 1½"

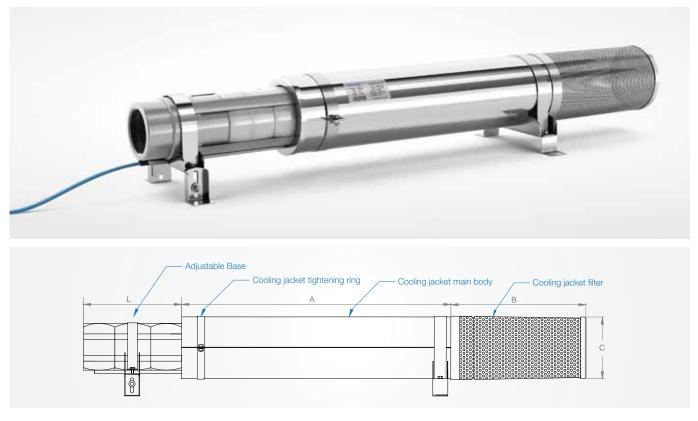
233.4 lpm

10 m

www.fontanafountains.com

FONTANA 417

USP Series



The most powerful & reliable underwater pumps in the world

USP Series has been tested in-field for nearly 3 decades throughout it's entire evolution to become a range of the world's most powerful, efficient and reliable submersible pumps. Fontana has equipped thousands of large-to-tremendous scale fountains with such pumps in locations all over the world with wide climate diversity and USP pumps have definitely become the most successful ones for long-time, hassle-free operation under the harshest conditions. Fontana has designed and manufactures an innovative cooling jacket with integral / detachable suction strainer that allows 0.15m/sec water velocity inside it - enough to perfectly cool the pump and extend its life cycle. Also, the large area suction strainer allows for longer cleaning intervals and the adjustable bases permit for 1°-3° adjustability for correct operation inclination.

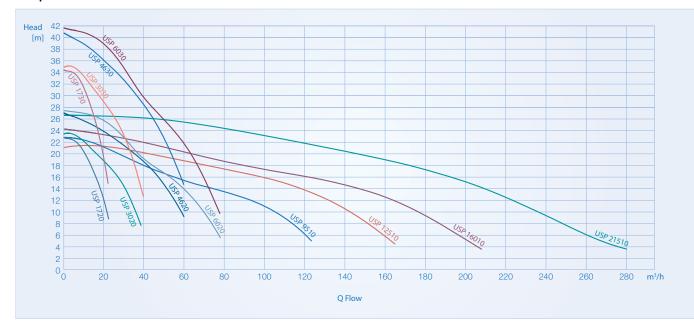
- Great solution for large fountains
- > High quality, highly reliable submersible pump
- > Proven quality widely tested in-field
- Made entirely of stainless steel AISI 304
- > Easy Installation with adjustable bases
- Cooling Jacket with high water velocity
- Large Strainer long maintenance intervals

	USP 1720	USP 1730	USP 3020	USP 3030	USP 4620	USP 4630	
Material	Entirely	Stainless Steel AISI 304	(Pump Impeller, Pump H	lousing, Pump Filter, Co	oling Jacket, Mounting b	orackets)	
Power	1.1 kW	2.2 kW	2.2 kW	4 kW	3 kW	5.5 kW	
Voltage	3 x 380-400-415V	3 x 380-400-415V	3 x 380-400-415V	3 x 380-400-415V	3 x 380-400-415V	3 x 380-400-415V	
Pump Outlet	21⁄2"	21⁄2"	3"	3"	3"	3"	
Flow @ 2900 rpm	17 m³/h	17 m³/h	30 m³/h	30 m³/h	46 m ³ /h	46 m ³ /h	
Head @ 2900 rpm	14.9 m	23.7 m	14.6 m	22.6 m	16.5 m	25.2 m	
А	550 mm	550 mm	550 mm	800 mm	800 mm	1000 mm	
В	280 mm	280 mm	280 mm	280 mm	390 mm	450 mm	
С	165 mm	165 mm	165 mm	165 mm	180 mm	215 mm	
L approx.	100 mm	200 mm	200 mm	200 mm	150 mm	230 mm	



USP Series. A range of highly efficient pumps with exceptional performance for the largest fountains in the world.

Pump Performance



USP 6020	USP 6030	USP 9510	USP 12510	USP 16010	USP 21510	
Entirely Stainless Steel AISI 304 (Pump Impeller, Pump Housing, Pump Filter, Cooling Jacket, Mounting brackets)						
4 kW	5.5 kW	5.5 kW	7.5 kW	9.2 kW	15 kW	Power
3 x 380-400-415V	3 x 380-400-415V	3 x 380-400-415V	3 x 380-400-415V	3 x 380-400-415V	3 x 380-400-415V	Voltage
4"	4"	5"	6"	6"	6"	Pump Outlet
60 m³/h	60 m³/h	95 m³/h	125 m³/h	160 m³/h	215 m ³ /h	Flow @ 2900 rpm
14 m	21.8 m	11.7 m	13.1 m	12.5 m	13.5 m	Head @ 2900 rpm
800 mm	1000 mm	1000 mm	1000 mm	1000 mm	1250 mm	Α
390 mm	450 mm	450 mm	550 mm	550 mm	600 mm	в
180 mm	215 mm	215 mm	258 mm	258 mm	308 mm	с
230 mm	240 mm	150 mm	250 mm	280 mm	270 mm	L approx.

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Cooling jackets can be ordered separately

FONTANA





420 FONTANA

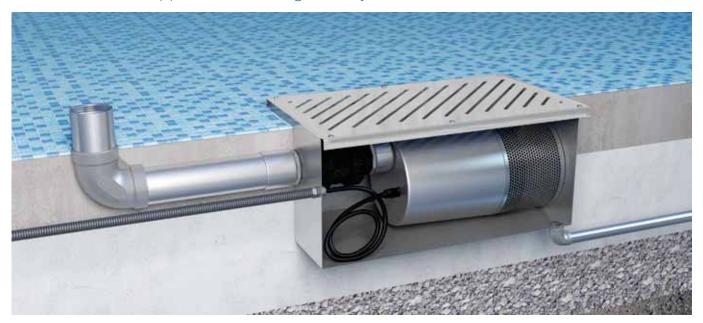


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FONTANN 421

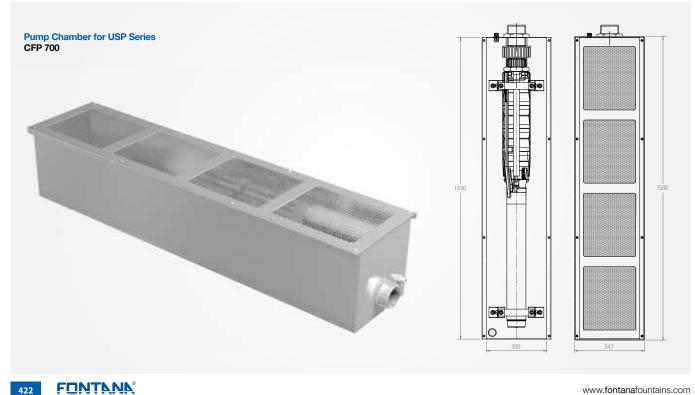
Submersible Pumps Chambers

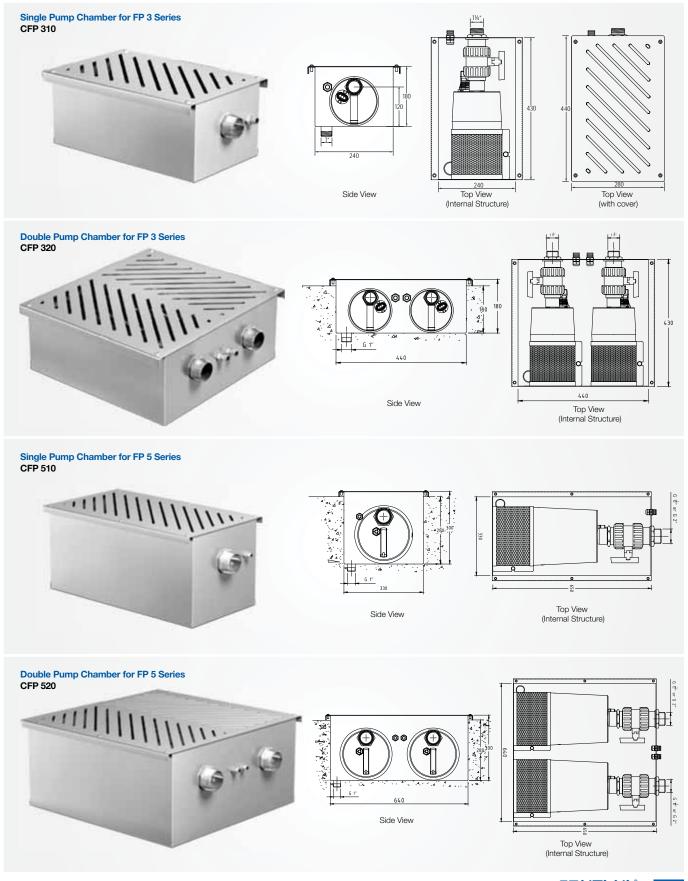
Protection, Visual appearance & Longer life-cycle



Chambers for submersible pumps are designed for complete protection of the pumps as they are flush-mounted in the concrete and sport a stylish stainless steel cover with openings designed to prevent leaves and debris from entering the chamber. In addition, cables are protected from natural wear and damage as they are protected in conduits. The cleaning intervals are extended as minimal dirt enters the chamber and the entire construction is made of AISI 304 stainless steel (or 316 on request) to be totally corrosion and impact resistant.

- > Professional solution for large fountains
- Safer operation of the pump
- Cables are protected
- Made entirely of stainless steel AISI 304

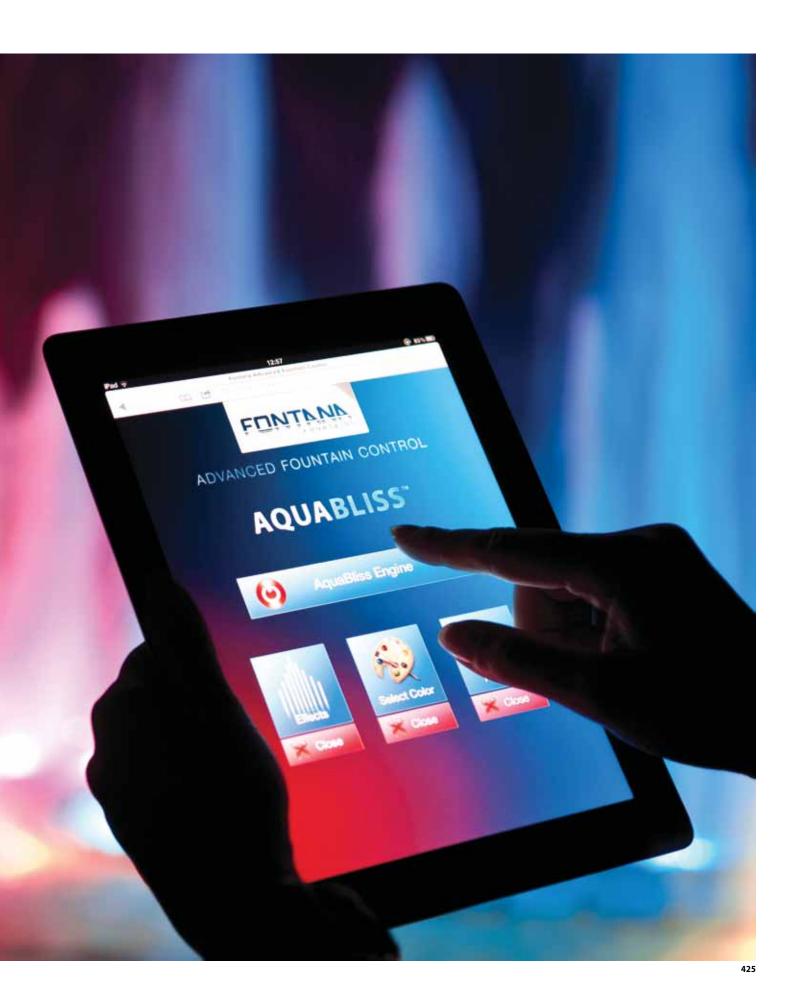




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FONTANA 423

iPad controllable fountains. Now, that's new.



Fontana Advanced Fountain Control

The best of both worlds.



fountain video games

Start, stop, play choreographies, put your fountain in Auto or take over control, change spray height, choose colors & light shows, create your own extravaganza.

Engage. Play with it. Wirelessly.



The iPad is the epitome of advanced technology of the 21st century and Fontana Advanced Fountain Control is a masterpiece of Technology, Inspiration and Engineering.

It essentially gives you functionality in a way that reaches the margins of magic.

With the Fontana Advanced Fountain Control, apart from completely automated operation, you can take over control. You can trigger specific water shapes or entire choreographies, set the fountain's height in your desired level, start light shows, make the fountain's color match your mood, divide the fountain in areas with individual control, access pre-programmed water effects, change the playing choreography on the fly — you can interact with virtually anything in your fountain holding a stylish, state-of-the-art iPad.

What originally started as our own showroom's renovation main idea, became eventually a break-through innovation for the entire fountain industry. Get rid of cables, get rid of old-fashioned control panels and control rooms, play with your fountain like never before. Wirelessly. You can now interact and engage others too. Absolutely safely. Both for people and for the fountain's infrastructure as well.

All vital parts of the control system of the fountain are situated in a totally safe and protected environment, inside the main control panel, where the heart of the Fontana Advanced Fountain Control (FAFC) is also located, directing every action and feature of the fountain.

The iPad is essentially the end-user interface to interact with the core -a masterpiece of electronics engineering by itselfand it does it in an often described as magical way. The interaction is made through the amazing, multi-touch iPad's display, which wirelessly communicates with the core. In addition to the pre-defined security levels, no sensitive information are stored in the device or communicated through the wireless connection, making the FAFC a bullet-proof control system. Even visitors of a show can engage actively with the fountain without being able to cause any kind of malfunction.

Imagine the potential.

Discover more about the FAFC & iPad in our website: www.fontanafountains.com Contact us to discuss about the potential of controlling your new or existing fountain with an iPad.



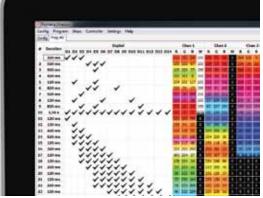
We shrinked this







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and we added some extra functionality

This time we pushed technology even further. Meet the device that changes everything.





an Intelligent Fountain Controller, a Heavy-Duty RGB Controller and an Automation Unit **all packed up in a unique all-in-one device.**

We have changed the fountain industry plenty of times in the past with the Stainless Steel revolution, TheSmartLEDs, the plug-n-play fountain kits, the advanced WaterShow fountains and now it's time for our next breakthrough. Meet the FCU, a unique, in-house developed device that comes to change everything. All over.

The FCU is a device that comes to replace PLCs, RGB controllers, LED lights amplifiers, wind automation panels, water level automation panels & time switches and add a plethora of extra features, while at the same time it reduces the cost of a fountain's control panel by more than 80%.

There is also an amazing new software that bundles with the FCU and gives the user an intuitive, easy to use interface to create fountain choreographies, light shows, configure automations & the fountain's schedule and control every little feature of the FCU.

Read more on the following pages and visit our website for more information.



Intelligent Fountain Controller

- Controls 14 Independent Fountain Shapes (daisy-chain multiple units to control endless shapes)
- Multiple Choreographies
- Senerates New Choreographies by Itself
- Intuitive Programming based in Steps
- DMX Input
- Instant Reaction to Wind and Water Level Sensors without the need of other devices

FCU's essence is the clever control of a fountain, regardless of its scale. FCU is fully capable to control from one up to literally endless channels - from conventional-type architectural fountains, to modern walk-through fountains consisting of hundreds of nozzles and lights.

You can create multiple choreographies of water and light through the Fountain Director application and store them in the large internal memory of the FCU, or you can simply push the button "Change Fountain" on the device and let it create a new choreography on the fly by itself. Moreover, you can easily input DMX and control the fountain through a DMX application or a console. The entire operation of the fountain is constantly monitored and protected by the safety features of the system; wind and water level protections react instantly to protect the fountain equipment. And all these with one reliable, self-contained device, the brilliant FCU.



- 4 amplified led:bus outputs Controls 80 RGB luminaires directly
- > Multiple Light Shows stored in the internal memory
- Generates Light Shows & RGB Sequences with a push of a button
- > Digital Color Invert with variable offset
- DMX Input
- Easily Create Colors from the menu
- > Easily Set Lights Operation Schedule from the menu
- Save Favorite Colors
- Configure Light Intensity

RGB Controller on steroids

Another incredible feature of the FCU is that it can control up to 80 RGB luminaires directly connected onto it. No need for amplifiers, boosters, splitters, special cables or whatsoever — pure plug-n-play functionality.

The FCU can create a new RGB sequence instantly with a push of a button, you can create your favorite colors through the easy menu or you can design multiple light shows in the Fountain Director application and store them in the internal memory of the FCU. The Digital Color Invert function now features variable offset to create amazing multicolor scenes - all lights can dynamically output different colors (like smooth rainbows). In addition, the DMX input is pretty handy when you want to control the lights through a DMX application or a lighting console.

The large, high resolution OLED display and the structure of the menu make it as easy as possible to set desired intensity & speed, save & load your favorite colors and sequences to match your mood and the integrated clock allows you to create a schedule of what time lights should turn on and off without the need of an external time switch. You can also connect a light sensor in one of the FCU's inputs to create a completely autonomous system. Essentially, the FCU is the most advanced RGB controller yet. And it does so much more.



Automation Unit

A device so multi-talented couldn't miss some advanced automation features. We made the FCU capable to "understand" virtually all types of sensors you would use in a fountain and interact with them. You can connect wind speed sensors of any voltage and resolution (pulses per rotation), magnetic, inductive or electrode water level sensors, light sensors, electrical safety sensors, even proximity sensors and more through the dry contact inputs.

The FCU will constantly monitor all sensors to ensure the fountain meets operation conditions and in case of erroneous conditions, the FCU will instantly react to correct them or shut the entire fountain off if something more serious happens. For example, if the FCU detects that wind blows higher than normal, it will lower the higher fountain shapes until wind conditions go back to normal but if the wind velocity exceeds a pre-defined max. level, the FCU will shut the fountain off displaying the appropriate message to identify the problem. The FCU also features an integrated clock to create operation schedules for pumps and lights. You can easily configure automations through the Fountain Director application or directly from the device's menu.

A 3 Amps relay on board via changeover contacts (NC or NO) and a long distance RF remote control supplied with all FCUs add up to the overall functionality of the device. Finally, the FCU can be easily connected with a PC, laptop or tablet with a standard USB cable and you can also connect it to all BMS systems and DMX applications & consoles extending its capabilities even further.



Universal Automation Direct connectivity with virtually any kind of sensors

- Wind Speed Automation Works with all types of resolution (pulses/rotation)
- Water Level Automation Works with both magnetic and electrode sensors
- > Temperature Automation To protect the fountain equipment from freezing
- On board Time Schedule Configure fountain's and lights' operation schedule
- Quick BMS Connection Easy connection over dry contacts
- Relay on board 3 Amps each via changeover contacts (NC or NO)

Generates fountain choreographies by itself, Generates light shows by

Plug-n-Play DMX Connection

Fountain Control Unit FCU

Functions:

- > USB Connection with PC / Laptop / Tablet
- Long Distance RF Remote Control

FCU Fact Sheet

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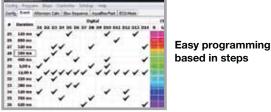
	itself, Controls Pumps, RGB Lights, Automation Features with ability to directly connect water level sensors, wind speed sensors, thermometers etc, with on board Time Schedule, on board Relay, DMX input, USB connection with Fountain Director Software, RF remote control
Outputs	 14 Digital Outputs 3 Individual Amplified led:bus outputs - up to 80 RGB lights 1 Relay - 3 Amps NC or NO through changeover contacts
Inputs	4 Digital Inputs - used for sensors (Wind, Water Level, etc) DMX Input RF Antenna
Connectivity Ports	USB Connection - used for Fountain Director Application 1Mbit F:bus Connection - used to daisy chain multiple FCUs and expansion units (like 0-10V analog output)
Processor	Dual Core Processor
Display	OLED Graphics Display
Material:	Aluminium
Dimensions:	143 x 75 x 60 (W x H x D in mm)
Mounting:	DIN-Rail or Wall Mountable
Voltage:	12-24V DC

432 FONTANS



fountaindirector

An intuitive, in-house developed application with endless capabilities





Steps are adjustable in duration

Fast ECO-House			
ogran lat			
Program name.	Step count	Duration	Repetition policy
Event	210 shape	1.000, 12,0 pec	Repeat 6 times
Afternoon Calm	AD steps	1 mm, 27,0 eec	Sec
Situr Tequence	10 steps	\$3.0 eec	Fley once
Aquidias Part	261 ships	110, 1,100	May once
CONTRACTOR INCOME.	11 mare		Naukau Ka





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You can store as many programs as you wish

Color Picker for dynamic multi-color sequences. (Features auto crossfade and favorites)

Fast & Easy configuration of every input/output, sensors, time switches, automations, expansion modules etc

Along with the fantastic FCU comes a great, in-house developed application: the Fountain Director. It is designed to simplify the process of programming a fountain and taking full advantage of the unique features of the FCU. It gives fountain engineers, designers and end-users complete control of the fountain.

There is an intuitive, incredibly easy to use interface, where you can create unlimited programs and choreographies for any-scale fountains, program the accompanying illumination sequences and also configure all automation features.

The process of programming is based in steps (of adjustable duration) and has nothing to do with code, it is done simply by click or touch gestures on an organized interface. Various effects like running, exploding etc can be easily designed and you can instantly see the effect on the fountain. For the lighting of the fountain, there is a handy color picker with favorites and auto cross-fade function to quickly turn your imagination into reality. The support for multiple illumination addresses allows for the creation of spectacular, multi-color sequences with individual parts of the fountain being lit in different colors than others.

You can store as many programs as you wish in the large internal memory of the FCU, you can set repetition policies and you also have access to all automation features like water level control, wind control, temperature automation, schedules and time switches from a pc, laptop or tablet. The choreographies can be designed either connected to the FCU or off-site and then loaded to the device via a USB cable.

Discover more about Fountain Director in our website: www.fontanafountains.com

Fountain Director Application

Minimum System	1.0 Ghz CPU or higher (Intel Atom & Pentium included)
Requirements:	512 mb RAM or higher
	1024 x 768 Screen Resolution or higher Windows XP / Vista / 7 32bit or 64bit 1 x USB 2.0 Port 300 mb free on HDD

FONT 433



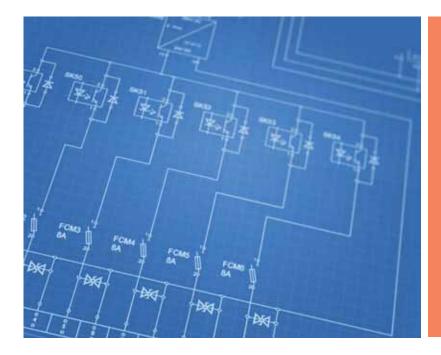


Peace of mind. This is what this sticker on a fountain's control panel means.

Having built thousands of Control Panels, Fontana has always been dedicated to utilizing the greatest technological advancements and components in our control systems always meeting our own and VDE guidelines for quality and safety. On top of that we have received an ISO 9001 certification for design, manufacture, installation and technical support of our control panels.

There is a range of standardised control panels but we also build systems based on each project's unique requirements. Every Fontana Control Panel is precisely designed and built to take full advantage of each fountain's characteristics pump-wise, illumination-wise and automation-wise, to be absolutely functional, safe and reliable for continual use. These systems are capable to operate fully automated but retain total manual functionality with all safety, protection and fail-safe features constantly active to prevent harm to people or animals and to the fountain's infrastructure. Moreover, all Fontana Control Panels are designed for fast & easy connection with other automation equipment like BMS systems.

We pay a lot of attention to the design of these Control Panels as well, using beautiful materials, well designed annotation and flawless organization of components and wiring - every device is where it should be, quickly & safely accessible. Every Fontana Control Panel is made with superior quality materials & components and is delivered pre-wired, ready for installation with full documentation on system's operation & configuration.



Build to Order. Built to Last.

Each Fontana Control Panel is custom made based on each project's unique requirements.

We put all our expertise & skills in building a fully automated, easily operated, configurable and accessible control system, that meets all safety standards but above all, we build a state-ofthe-art self-contained Control Panel that meets our own quality & safety standards.

These standards are what ensures your peace of mind when you know that your fountain is reliably operating day-in, day-out.







Basic Control Panels

Fontana introduces a new range of cost-effective, pre-wired, pre-assembled standardised control panels to cover the majority of small-medium scale applications. All models meet the VDE guidelines and are precisely designed & built to be absolutely functional, safe and utmost reliable. BCS 4000 is a complete, all-in-one solution with a 3-Channel Programmer on board and capable to supply & control up to 3 Pumps (1.3KW each), up to 400W of vivid LED luminaires and apart from typical protections & time automation, it also features 2-stage water level control.

All models can be customized to meet specific project requirements and higher-end control systems can be built to order.

Descriptor:Control Panel for Automated or Manual Operation, with 1 output operation, with 1 output output operation, with 1 output operation, with 1 outputDimension:205 x370 x9.05.450 x425 x145750 x425 x145Dimension:1 x 200 x021 x 200 x021 x 200 x02Min Power Light Indicator:Yes 200 x201 x 200 x02Min Power Light I ndicator:2 x16A / 10KA2 x20A / 10KADimo Didupt Carrier Protection2 x40A / 30mA2 x40A / 30mA<		BCS 1000	BCS 2000	BCS 3000	BCS 4000
Protection Class:IP 30IP 40IP 40IP 40Input Voltage:1 x 230V AC1 x 230V AC1 x 230V ACMain Power Light Indicator:YesYesYesMain Protection Switch:2x16A / 10KA2x20A / 10KA2x20A / 10KABesichal Current Protection2x40A / 30mA2x40A / 30mA2x40A / 30mASwitch:2x10a / 1.7KW / 230V1 x up to 1.7KW / 230V AC3 x up to 1.3KW / 230V ACPump Output:040 / 2P040 / 2P040 / 2P3 x 10 (separate) / 6KAPump Output:040 / 2P040 / 2P040 / 2P0 x 100 / 2PPump Output:16A / 6KA16A / 6KA16A / 6KA3 x 10A (separate) / 6KAIlumination System Output:-040 / 2P040 / 2P040 / 2PPower Supply:05A / 2P25A / 2PPower Supply:02KA / 2PPower Supply:100V / 24V DCBiB Controller:100V / 24V DCPower Supply:Power Supply:BiB Controller:Power Supply:Power Supply:Power Supply:Power Supply:Power Supply:Power Supply:Power Supply:-	Description:	Automated or Manual Operation, with 1 output for Pump up to 1.7KW / 230V AC and Time switch with	Automated or Manual Operation with 1 output for Pump up to 1.7KW / 230V AC, 1 output for Lights up to 0.8KW / 230V AC and 2-output Digital Time switch with reserve Note: A safety transformer shall	Automated or Manual Operation, with 1 output for Pump up to 1.7KW / 230V AC, RGB controller and Power Supply for RGB LED lights with total power consumption of up to 65W / 24V DC, 1-stage water level control and 2-output Digital Time switch with	Programmer for Automated or Manual Operation, with 3 outputs for Pumps up to 1.3KW each / 230V AC, RGB controller and Power Supply for RGB LED lights with total power consumption of up to 320W / 24V DC, 2-stage water level control and 2-output Digital Time switch with
Input Voltage:1 x 230V AC1 x 230V AC1 x 230V AC1 x 230V ACMein Power Light Indicator:YesYesYesYesMein Protection Switch:2x16A / 10KA2x20A / 10KA2x20A / 10KA2x32A / 10KAResidual Current Protection2x40A / 30mA2x40A / 30mA2x40A / 30mA2x40A / 30mAResidual Current Protection1 x up to 1.7KW / 230V AC1 x up to 1.7KW / 230V AC3 x up to 1.3KW / 230V ACPump Output:40A / 2P40A / 2P40A / 2P3 x 40A / 3PPump Protection Switch:16A / 6KA16A / 6KA16A / 6KA3 x 10A (separate) / 6KAIllurination System Paley:25A / 2P25A / 2PILD Power Supply:200W / 230V AC40W / 24V DCPower Supply Protection Switch:200W / 24V DC26A / 2PIllurination System Reley:200W / 230V AC40W / 24V DCPower Supply:200W / 24V DC26A / 2PRelB Controller:200W / 24W DC40G / 24W DCRelB Controller:Time switch:Scoondary Protection Switch:Scoondary Protection Switch:Time switch:Scoondary Protection Switch:Scoondary Protection S	Dimensions:	305 x 370 x 96.5	305 x 370 x 96.5	450 x 425 x 145	750 x 426 x 145
Main Power Light Indicator:YesYesYesYesMain Protection Switch:2x16A / 10KA2x20A / 10KA2x20A / 10KA2x32A / 10KAResidual Current Protection2x40A / 30mA2x40A / 30mA2x40A / 30mA2x40A / 30mAPump Output:1 x up to 1.7KW / 230V AC1 x up to 1.7KW / 230V AC3 x up to 1.3KW / 230V ACPump Output:1 x up to 1.7KW / 230V AC40A / 2P40A / 2P3 x 40A / 3PPump Output:40A / 2P40A / 2P40A / 2P3 x 40A / 3PPump Protection Switch:16A / 6KA16A / 6KA16A / 6KA3 x 10A (separate) / 6KAIllumination System Output:-up to 800W / 230V ACup to 65W / 24V DCup to 320W / 24V DCIllumination System Pielay:25A / 2P25A / 2PLED Power Supply:100W / 24V DC450W / 24V DCPower Supply: Protection Switch:2A Express Fusion6A Express FusionRGB Controller:100W / 24V DCYes, with 3 Colorful RGB Sequences, 7 pre-programmed Colors, 3 programmed Colors, 5 preserveTime switch:Itme switch with reserve2bigital with 2 Outputs / 7 DaseSecondary Protection Switch:	Protection Class:	IP 30	IP 30	IP 40	IP 40
Main Protection Switch:2x16A / 10KA2x20A / 10KA2x20A / 10KA2x32A / 10KAResidual Current Protection Switch:2x40A / 30mA2x40A / 30mA2x40A / 30mA2x40A / 30mAPump Output:1 x up to 1.7KW / 230V C1 x up to 1.7KW / 230V AC1 x up to 1.7KW / 230V AC3 x up to 1.3KW / 230V ACPump Output Relay:40A / 2P40A / 2P40A / 2P3 x 40A / 3PPump Protection Switch:16A / 6KA16A / 6KA16A / 6KA3 x 10A (separate) / 6KAIlumination System Output:-10x 080W / 230V ACup to 65W / 24V DCup to 320W / 24V DCIlumination System Relay:-25A / 2P25A / 2P25A / 2PLED Power Supply:10W / 24V DC450W / 24V DCReg Controller:26A / 2P46K - Sepres FusionRGB Controller:26A / 2P26B / 2PTime switch:Ime switch with 1 output, with reserveDigital with 2 Outputs / 7 Days Configuration with reserveNes, with 3 Colorful RGB Sequences, 7 pre- programmable colors, Easy Color Selection, Speed & Intensity Configuration with reserveNes, with 3 Colorful RGB Sequences, 7 pre- programmable colors, Easy Color Selection, Speed & Intensity Configuration with reserveSecondary Protection Switch:A Express FusionSet Express FusionSet Express FusionWater Level Control:Xexpress FusionSet Express FusionWater Level Control:Xexpress FusionXexpress FusionXexpress Fusion <td>Input Voltage:</td> <td>1 x 230V AC</td> <td>1 x 230V AC</td> <td>1 x 230V AC</td> <td>1 x 230V AC</td>	Input Voltage:	1 x 230V AC	1 x 230V AC	1 x 230V AC	1 x 230V AC
Residual Current Protection Switch:2x40A / 30mA2x40A / 30mA2x40A / 30mA2x40A / 30mAPump Output:1 x up to 1.7KW / 230V AC C1 x up to 1.7KW / 230V AC3 x up to 1.3KW / 230V ACPump Output:40A / 2P40A / 2P40A / 2P3 x 40A / 3PPump Protection Switch:16A / 6KA16A / 6KA16A / 6KA3 x 10A (separate) / 6KAIllumination System Output:-16A / 6KA16A / 2Pup to 800W / 230V ACup to 65W / 24V DCup to 320W / 24V DCIllumination System Relay:25A / 2P25A / 2P25A / 2PLED Power Supply:100W / 24V DC450W / 24V DCPower Supply:2A Express Fusion6A Express FusionRGB Controller:2A Express Fusion6A Express FusionRGB Controller:25A / 2PTime switch:Supply:Time switch:Supply:Supply:RGB Sequences, 7 pre- programmable colors, 8 app programmable colors, 8 app color Selection, Speed &-Time switch:Secondary Protection Switch:-A Express FusionWater Level Control:	Main Power Light Indicator:	Yes	Yes	Yes	Yes
Switch:Pump Output:1 x up to 1.7KW / 230V AC1 x up to 1.7KW / 230V AC AC3 x up to 1.3KW / 230V ACPump Output Relay:40A / 2P40A / 2P40A / 2PPump Protection Switch:16A / 6KA16A / 6KA16A / 6KAIlumination System Output:-100W / 230V ACup to 65W / 24V DCup to 320W / 24V DCIlumination System Output:-25A / 2P25A / 2P25A / 2PILED Power Supply:100W / 24V DC450W / 24V DCPower Supply:40A / 2P6A Express FusionRGB Controller:2A Express Fusion6A Express FusionRGB Controller:Ses outputs; Ses out	Main Protection Switch:	2x16A / 10KA	2x20A / 10KA	2x20A / 10KA	2x32A / 10KA
AcAcAcAcPump Output Relay:40A / 2P40A / 2P3 x 40A / 3PPump Protection Switch:16A / 6KA16A / 6KA16A / 6KA3 x 10A (separate) / 6KAIllumination System Output:-10x 800W / 230V ACup to 65W / 24V DCup to 320W / 24V DCIllumination System Relay:-25A / 2P25A / 2P25A / 2PLED Power Supply:100W / 24V DC450W / 24V DCPower Supply Protection Switch:2A Express Fusion6A Express FusionRGB Controller:2A Express Fusion6A Express FusionRGB Controller:Sequences, 7 pre- programmable colors, 3 programmable colors, 3 programmable colors, 3 programmable colors, 3 programmable colors, 5 programmable colors, 5 		2x40A / 30mA	2x40A / 30mA	2x40A / 30mA	2x40A / 30mA
Pump Protection Switch:16A / 6KA16A / 6KA16A / 6KA3 x 10A (separate) / 6KAIllumination System Output:-up to 600W / 230V ACup to 65W / 24V DCup to 320W / 24V DCIllumination System Relay:-25A / 2P25A / 2P25A / 2PLED Power Supply:100W / 24V DC450W / 24V DCPower Supply Protection Switch:2A Express Fusion6A Express FusionRGB Controller:24 Express FusionYes, with 3 Colorful RGB Sequences, 7 pre- programmed Colors, 3 programmed Colors, 5 synogrammed Colors, 5 synogramed Colors, 5 synogrammed Colors,	Pump Output:		1 x up to 1.7KW / 230V AC	1 x up to 1.7KW / 230V AC	3 x up to 1.3KW / 230V AC
Illumination System Output:- <up to 800W / 230V ACup to 65W / 24V DCup to 320W / 24V DCIllumination System Relay:-25A / 2P25A / 2P25A / 2PLED Power Supply:100W / 24V DC450W / 24V DCPower Supply Protection Switch:2A Express Fusion6A Express FusionRGB Controller:Sequences, 7 pre- programmable colors, 3 programmable colors, 5 programmable colors, 5 exercised intensity Configuration with reserveSequences, 7 pre- programmable colors, Seasy color Selection, Speed & intensity Configuration with reserveDigital with 2 Outputs / 7 Days Configuration with reserveDigital with 2 Outputs / 7 Days Configuration with reserveDigital with 2 Outputs / 7 Days Configuration with reserveA Express FusionA Express FusionSecondary Protection Switch:2A Express Fusion2A Express FusionA Express FusionA Express FusionWater Level Control:YesYesYesFlectrovalve Output:YesYesYesFlectrovalve Output:YesYesYesFlectrovalve Output:YesYesYesFlectrovalve Output:YesYesYesFlectrovalve Output:YesYesYesFlectrovalve Output:YesYesYesFlectrovalve Output:YesYesYe	Pump Output Relay:	40A / 2P	40A /2P	40A / 2P	3 x 40A / 3P
Illumination System Relay:- Cancel A 25A / 2P25A / 2P25A / 2PLED Power Supply:- Cancel A 2000 (2000)	Pump Protection Switch:	16A / 6KA	16A / 6KA	16A / 6KA	3 x 10A (separate) / 6KA
LED Power Supply:100W / 24V DC450W / 24V DCPower Supply Protection Switch:2A Express Fusion6A Express FusionRGB Sontroller:Yes, with 3 Colorful RGB Sequences, 7 pre- programmed Colors, 3 programmed Colors, 5 programed Colors, 5 programmed Colors, 5 programmed Colors, 5 progr	Illumination System Output:	-	up to 800W / 230V AC	up to 65W / 24V DC	up to 320W / 24V DC
Power Supply Protection Switch:2A Express Fusion6A Express FusionRGB Controller:Yes, with 3 Colorful RGB Sequences, 7 pre- programmed Colors, 3 programmed Colors, 5 programmed Colors, 5 programmed Colors, 5 programmed Colors, 5 programmed Colors, 6 programmed Colors, 6 programmed Colors, 6 programmed Colors, 6 programmed Colors, 7 pre- programmed Colors, 6 color Selection, Speed & htensity ConfigurationYes, with 3 Colorful RGB Sequences, 7 pre- programmed Colors, 3 programmed Colors, 5 asy color Selection, Speed & htensity ConfigurationYes, with 3 Colorful RGB Sequences, 7 pre- programmed Colors, 3 programmed Colors, 6 Color Selection, Speed & htensity ConfigurationYes, with 3 Colorful RGB Sequences, 7 pre- programmed Colors, 5 asy color Selection, Speed & htensity ConfigurationYes, with 3 Colorful RGB Sequences, 7 pre- programmed Colors, 5 asy color Selection, Speed & htensity ConfigurationTime switch:Time switch with 1 output, with reserveDigital with 2 Outputs / 7 Days Configuration with reserveDigital with 2 Outputs	Illumination System Relay:	-	25A / 2P	25A / 2P	25A / 2P
RGB Controller:Yes, with 3 Colorful RGB Sequences, 7 pre- programmed Colors, 3 programmed Colors, 5 programmed Colors, 5 programmed Colors, 3 programmable colors, 5 programmable colors, 5 programmable colors, 5 ecolor Selection, Speed & Intensity ConfigurationYes, with 3 Colorful RGB Sequences, 7 pre- programmed Colors, 3 programmable colors, 5 asy Color Selection, Speed & Intensity ConfigurationYes, with 3 Colorful RGB Sequences, 7 pre- programmable colors, 5 asy Color Selection, Speed & Intensity ConfigurationYes, with 3 Colorful RGB Sequences, 7 pre- programmable colors, 5 asy Color Selection, Speed & Intensity ConfigurationTime switch:Time switch with 1 output, with reserveDigital with 2 Outputs / 7 Days Configuration with reserveDigital with 2 Outputs / 7 	LED Power Supply:	-	-	100W / 24V DC	450W / 24V DC
RGB Sequences, 7 pre- programmed Colors, 3 programmed Colors, 5 programmed Colors, 5 prog	Power Supply Protection Switch:	-	-	2A Express Fusion	6A Express Fusion
output, with reserveDays Configuration with reserveDays Configuration with reserveDays Configuration with reserveConfiguration with reserveSecondary Protection Switch:2A Express Fusion2A Express Fusion2A Express Fusion2A Express FusionWater Level Control:YesYes, 2-StageElectrovalve Output:2A / 230V AC2A / 230V AC	RGB Controller:	-	-	RGB Sequences, 7 pre- programmed Colors, 3 programmable colors, Easy Color Selection, Speed &	RGB Sequences, 7 pre- programmed Colors, 3 programmable colors, Easy Color Selection, Speed &
Water Level Control:-YesYes, 2-StageElectrovalve Output:2A / 230V AC2A / 230V AC	Time switch:		Days Configuration with	Days Configuration with	
Electrovalve Output: - - 2A / 230V AC 2A / 230V AC	Secondary Protection Switch:	2A Express Fusion	2A Express Fusion	2A Express Fusion	2A Express Fusion
	Water Level Control:	-	-	Yes	Yes, 2-Stage
Electrovalve Protection Switch: - - 1A Express Fusion	Electrovalve Output:	-	-	2A / 230V AC	2A / 230V AC
	Electrovalve Protection Switch:	-	-	1A Express Fusion	1A Express Fusion

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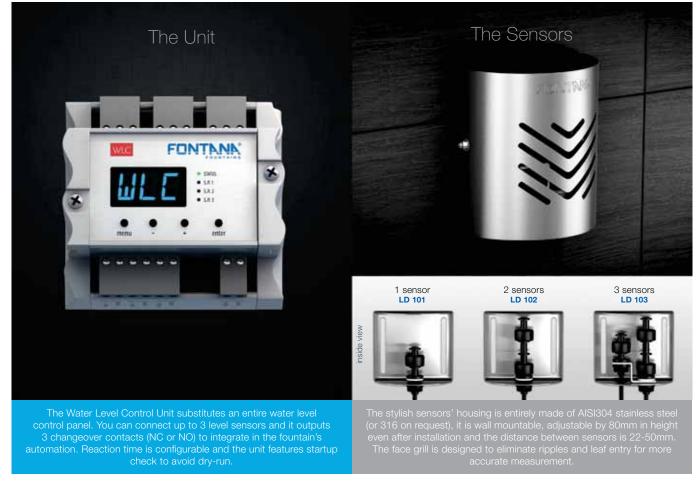


Fluctuations of water level in a fountain's pool can result in undesirable or even unsafe consequences. Slightly lower than normal water level will immediately affect water-level dependent nozzles like Cascade jet and alter the pattern of the fountain, shooting water up to 10 times higher than normal. This side-effect can range anywhere between simply unpleasant to literally soaked spectators under windy conditions.

1.00

Significantly lower water level means "dry-run" of the fountain - a very risky and safety-critical state of operation. Submersible pumps can be severely damaged instantly and luminaires without self-protection can even explode in a matter of minutes. A water level control system helps to avoid such worst-case scenarios and contributes in an overall trouble-free, safe & autonomous operation of a fountain, let alone the tremendous amounts of expenses saved.

Professional Water Level Control

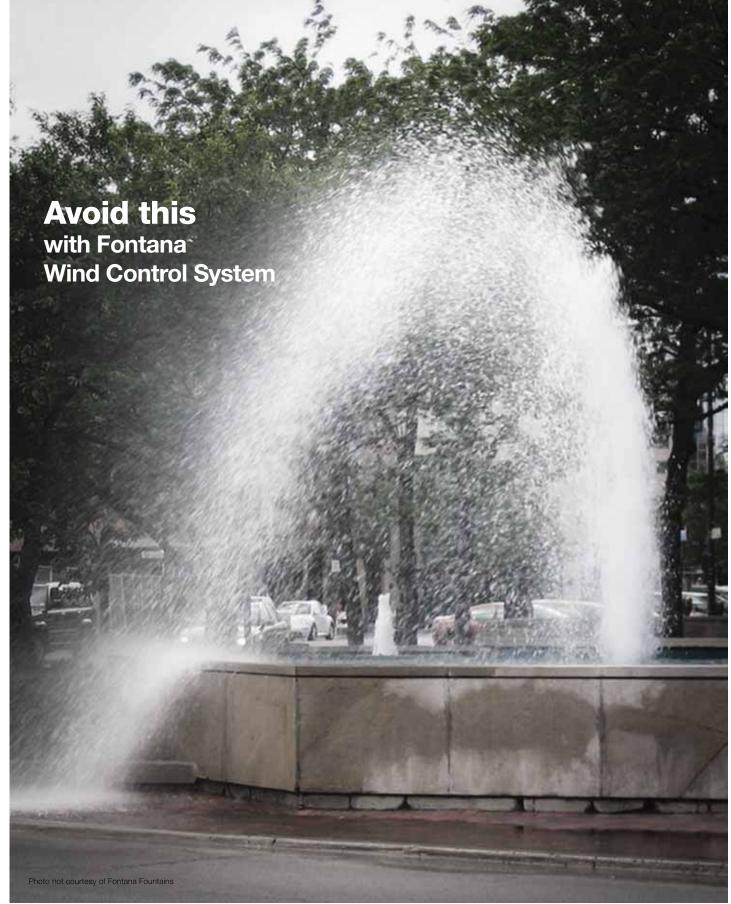


Easily monitor and control water level with the Fontana WLC unit and level sensors. The specialized electronic unit is made for use in fountains where slight variations of water level might have serious effects. It is capable to react to up to 3 individual sensors and perform quick-fill, safeoff and maximum level functions. You can directly connect electrovalves and integrate the unit in the fountain's automation. The reaction time is easily configurable from the menu to compensate pool's ripples and the sensors' status is always visible from the led indicators. To ensure that pool meets operation criteria and avoid dry-run, the system always runs a startup check. The whole system runs on low voltage 12-24V DC for safe operation but each output can control any-voltage devices. There is a wide range of level sensors to pick from with 1-, 2-, or 3-state magnetic or inductive sensors. The robust, wall-mounted stainless steel housing permits easy installation and fine-tuning even in shallow pools. Housing dimensions in mm: 113[W] x 125[H] x 55[D].

Alternative Choices

Water Level Control Unit WLC 001

Functions:	Controls up to 3 Individual Water Levels, Quick-Fill, Safe- Off, Maximum Level, Configurable Reaction Time, Works with both magnetic and inductive (electrode) sensors	Electrode Sensors	Electrode Sensors with housing	2-Level Sensor on Telescopic Base
Inputs:	3 individual magnetic or inductive (electrode) sensors	3-Level: LV 12	1-Level: LD 012 3-Level: LD 014	LV 102
Outputs / Relays:	3 individual changeover contacts (3A - NC or NO)			
Display:	LED 3-Digit	1000	inside view	For water
Material:	Aluminium			depth 35-65cm
Dimensions:	71 x 75 x 60 (W x H x D in mm)			1
Mounting:	DIN-Rail Mountable			
Voltage:	12-24V DC			d b
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Wind Control System



Easily avoid wind side-effects in fountains with the Fontana Wind Control System. The state-ofthe-art control unit in combination with any of the two available wind sensors form a functional, safe and utmost reliable solution to deal with high-wind situations.

The control unit is specially developed by Fontana for use in fountains, with an incredibly easy to use menu and industry-unique features. You can easily monitor current wind speed, configure the desired wind speed the device should react (3 set points), reaction delay and 3 independent levels of reaction through 3 universal changeover contacts/relays. You can connect any type of wind sensors (positive or negative pulse at any resolution - pulses per rotation) and setup the functionality at choice - e.g. in the first level the unit lowers the higher fountain shapes, in the second it lowers the medium shapes and in the third the entire fountain shuts off until wind speed returns in operational levels. The device can be used as standalone or integrated in the control panel of the fountain and it comes pre-configured with typical settings covering the majority of fountains for plug-n-play installation.

Water Level Control Unit WCU 001

Functions:	Controls up to 3 Individual Wind Velocity Levels, Current Wind Velocity Display, Pre- configured with Typical Settings, Configurable Reaction Time, Wide Automation Cus- tomization
Inputs:	1 wind sensor (positive or negative pulse at any resolution)
Outputs / Relays	3 individual changeover contacts (3A - NC or NO)
Display:	LED 3-Digit
Material:	Aluminium
Dimensions:	71 x 75 x 60 (W x H x D in mm)
Mounting:	DIN-Rail Mountable
Voltage:	12-24V DC

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The Unit:

- > Professional Wind Control System
- > Specially Developed Unit
- > Easy Configuration
- Works Standalone or Integrated in the Control Panel of the fountain
- 3 Independent Wind Velocity Reaction Levels
- > 3 Changeover Contacts (NC or NO)
- Configurable Reaction Delay
- LED Display
- > 4 Status Indicators
- Current Wind Velocity Display
- Wide Automation Customization
- Comes pre-configured for plug-n-play installation

The Sensors:

- Superior Quality Sensors
- High Resolution for accurate measurement
- > Low voltage for safer operation



In- & On- Wall Mounted, All-in-One Pool Management Units



A revolution in pool management.

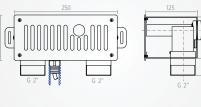
The LA series consists of 6 unique, truly innovative all-in-one pool management units. These armatures are precisely engineered to incorporate all fundamental and advanced equipment required for efficient, automated and protected operation of every pool. Either that is demanding commercial-level applications or smaller scale basins.

There are all-in-one units with adjustable overflow, water inlet, electronic multiple-stage water level sensors, mechanical solutions and some basic options to cover every requirement for pool management.

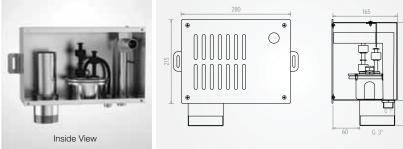
The beautiful, self-contained, heavy duty housings are made entirely of superior quality stainless steel to provide increased corrosion & impact resistance and they offer sufficient space for lining. The covers are designed to compensate pool's undulation and protect from debris and leafs. All units can be easily installed flush, in-wall or on-wall placed with the flexible bases.



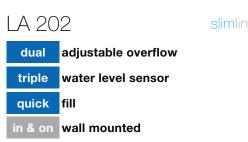








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A unique solution that covers the entire functionality required for every pool. LA 202 offers 2 adjustable overflow fittings, an adjustable three-state water level sensor for quick-fill, safe-off and max. level functions and a water inlet fitting. It can be easily flush, in-wall mounted or on-wall placed and the robust stainless steel construction insures the quality, the reliability and the extended life-cycle that comes with it.

- > Professional All-in-One Solution
- Made of AISI 304 stainless steel (316 on request)
- Easy Installation Flush In- or On- Wall
- Sufficient space for concrete and lining (e.g. tiles)
- Overflow pipes are ±30mm adjustable in height
- Level sensor is adjustable in height
- Cover designed to protect from debris & leafs

LA 303	
three	water level sensors
adjustable	overflow
quick	fill
in & on	wall mounted

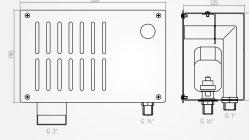
Full functionality for every pool, with three water level sensors mounted on a junction box for quick-fill, safeoff and max. level functions, a water inlet fitting and a ±40mm adjustable overflow fitting. It can be easily flush, in-wall mounted or on-wall placed. The robust, all-stainless steel housing offers superior corrosion and impact resistance and also provides sufficient space for concrete and lining (e.g. granite, tiles, etc).

- > Professional All-in-One Solution
- Made of AISI 304 stainless steel (316 on request)
- Easy Installation Flush In- or On- Wall
- Overflow pipe is ±40mm adjustable in height
- Sufficient space for concrete and lining (e.g. tiles)
- Cover designed to protect from debris & leafs
- 3 level sensors for safe-off, quick-fill and max. level
- Junction box included









LA 203 adjustable overflow mechanical float valve fill quick

in & on

A durable mechanical float valve, a ±40mm adjustable overflow fitting and an extra water inlet form a basic, yet fully equipped all-in-one unit for all kinds of pools. The robust, all-stainless steel housing offers superior corrosion and impact resistance and also provides sufficient space for concrete and lining (e.g. granite, tiles, etc). The cover is designed to protect from debris & leafs and to compensate pool's undulation.

wall mounted

- > Professional All-in-One Solution
- Made of AISI 304 stainless steel (316 on request)
- Easy Installation Flush In- or On- Wall
- > Overflow pipe is ±40mm adjustable in height
- Sufficient space for concrete and lining (e.g. tiles)

slimline

Cover designed to protect from debris & leafs

LA 102	
adjustable	overflow
quick	fill
in & on	wall mounted

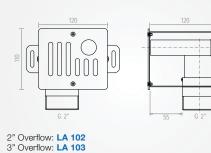
LA 102 is a slim, compact and yet highly durable unit with water inlet and adjustable overflow functionality. It is designed for all kinds of pools and offers sufficient front space for concrete and lining (e.g. granite, tiles, etc). The all-stainless steel unit can be easily installed flush, in-wall or on-wall placed and the protective cover is designed to prevent debris and leafs from entering into the unit.

- Professional All-in-One Solution
- > Made of AISI 304 stainless steel (316 on request)
- > Easy Installation Flush In- or On- Wall
- > Very small form factor
- Overflow pipe is ±40mm adjustable in height
- Sufficient space for concrete and lining (e.g. tiles)
- Cover designed to protect from debris & leafs

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LA 10 mechanical in & on

float valve

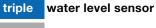
wall mounted

LA 10 is a mechanical float valve in a stylish, incredibly durable, impact & corrosion resistant housing made entirely of stainless steel which can be flush, in-wall or on-wall placed. The cover is designed to protect from debris & leafs and to compensate pool's undulation.

- > Professional Solution
- Made of AISI 304 stainless steel (316 on request)
- > Easy Installation Flush In- or On- Wall
- Cover designed to protect from debris & leafs and compensate pool's undulation

LA 14

slimline



in & on wall mounted

LA 14 is a stylish, incredibly durable, impact & corrosion resistant housing made entirely of stainless steel which can be flush, in-wall or on-wall placed. It incorporates an advanced 3-stage water level sensor that can perform quick-fill, safe-off and max. level functions. The cover is designed to protect from debris & leafs and to compensate pool's undulation.

More information about Water Level Control on page 438.

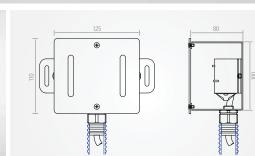
- > Professional All-in-One Solution
- Made of AISI 304 stainless steel (316 on request)
- Easy Installation Flush In- or On- Wall
- Very small form factor
- Sufficient space for concrete and lining (e.g. tiles)
- Level sensor is adjustable in height
- Cover designed to protect from debris & leafs











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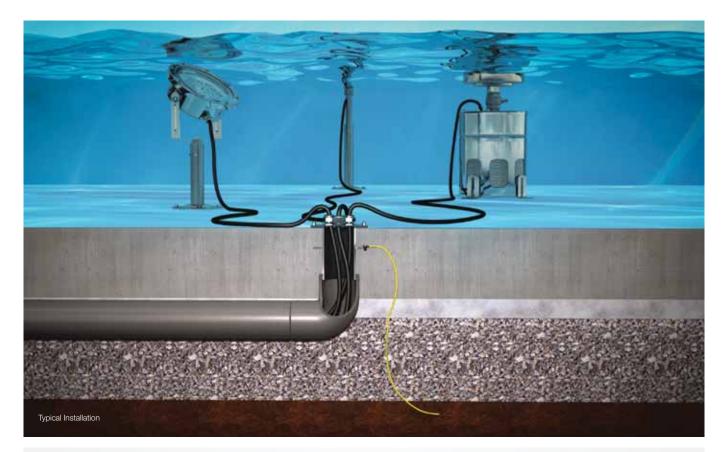
Cable Inlets / Stub ups

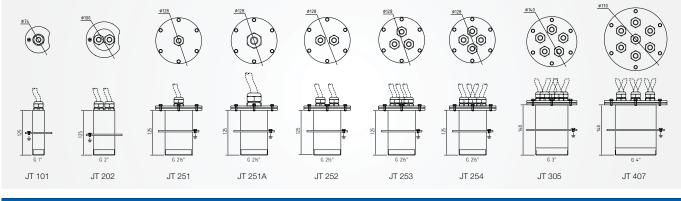


Cable inlets or otherwise known as cable transition armatures are the ideal solution for watertight, safe and inconspicuous cable transitions. The hydro-stop flange of the armatures provides secure and leak-proof penetrations through concrete into the fountain basin, and it also provides easy grounding.

The robust, corrosion-resistant housing is made of superior quality AISI 304 stainless steel (or 316 on request) with brass nickel-plated cable glands for all types of cables. It offers sufficient space for effortless passage of cables and models JT251-JT407 have removable cap for easier access. All armatures are male threaded to connect directly on cable protection pipes and can be manufactured in custom length on request.

- Watertight, safe, inconspicuous cable transitions
- Housing made of AISI 304 Stainless Steel or 316 on request
- > Hydro-Stop flange with grounding screw
- > Models with 1-7 cable glands
- > Male-threaded for direct connection
- > Easy installation
- Models with removable cap for easier access
- > For all types of pools
- > Can be made in custom length
- Blind Top Covers available





MODEL	No of Inlets	Cable Diam.1 (mm)	BSP/NPT	Removable Cap	Max. Diameter (mm)	Height² (mm)	Internal Diameter (mm)
JT 101	1	8-15	1"	No	74	125	24
JT 202	2	8-15	2"	No	100	125	52
JT 251	1	8-15	21⁄2"	Yes	128	125	68
JT 251A	1	11-20	21⁄2"	Yes	128	125	68
JT 252	2	8-15	21⁄2"	Yes	128	125	68
JT 253	3	8-15	21⁄2"	Yes	128	125	68
JT 254	4	8-15	21⁄2"	Yes	128	125	68
JT 305	5	8-15	3"	Yes	140	140	81
JT 407	7	8-15	4"	Yes	170	140	106

¹Cable glands for cable diam. 7-10mm are available. Add suffix .CG10X | ²Cable inlets can be made in custom height. Contact us for detailed specifications.

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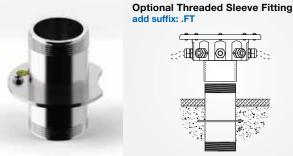
Cable Inlets with Junction Box

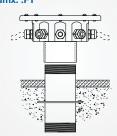


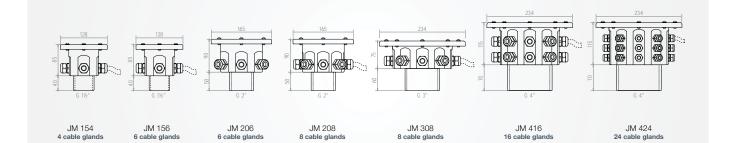
Cable inlets with integral junction box are a unique solution for both watertight, safe & inconspicuous cable transitions into the fountain basin and underwater wire connections, all in one unit. The housing is made of superior quality, corrosion-resistant stainless steel AISI 304 (or 316 on request) and offers sufficient space for effortless electrical connections and passage of cables. All models have a removable cap for easier access.

The optional male threaded sleeve fitting is required for concrete penetrations and it provides secure & leak-proof connection directly on cable protection pipes (can be made in custom length).

- Cable Inlet AND Junction Box
- > Watertight, Safe & Elegant Housing made of AISI 304 Stainless Steel or 316 on
 - request
- From 4 up to 24 cable glands
- > Easy installation & maintenance
- > Removable cap
 - Optional penetration fitting with Hydro-Stop Flange







MODEL	No of Cable Glands	Cable Diam.1 (mm)	BSP/NPT	Removable Cap	Cap Diameter (mm)	Junction Box Height (mm)	Female Thread Height (mm)	Internal Volume (cm³)
JM 154	4	8-15	1½"	Yes	128	62	40	163
JM 156	6	7-10	1½"	Yes	128	62	40	163
JM 206	6	8-15	2"	Yes	165	82	45	267
JM 208	8	7-10	2"	Yes	165	82	45	267
JM 308	8	8-15	3"	Yes	230	75	60	340
JM 416	16	8-15	4"	Yes	230	115	65	535
JM 424	24	7-10	4"	Yes	230	115	65	535

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Junction Boxes



Junction boxes are used for watertight cable connections and disconnections. You can connect submersible pumps, lights, sensors and other electrical devices safely and effortlessly. There is a wide variety of junction boxes to choose from with models with 4 up to 24 waterproof cable glands for all types of cables. The high quality and corrosion resistant housing is made of AISI 304 stainless steel (or 316 on request) and the removable cover provides extra usability.

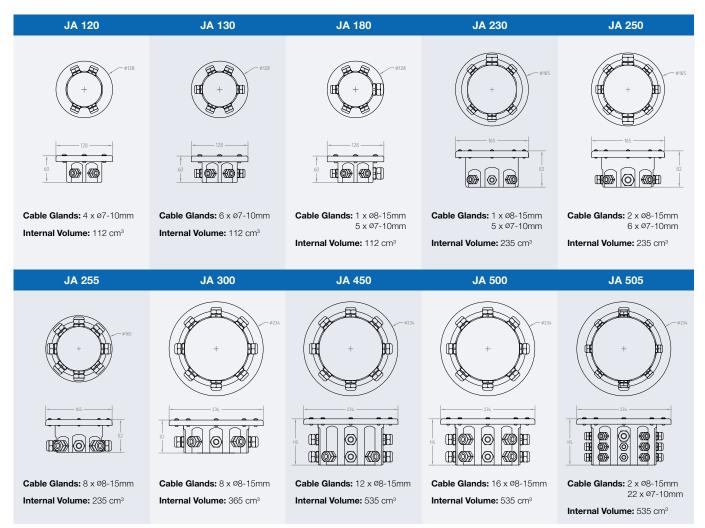
Blind caps are included to secure unused outlets and the use of sealing compound after installation is recommended. All models can be delivered with transparent polycarbonate cover for easy inspection.

Easy cable connections for underwater lights, pumps, sensors etc.
 Watertight IP68, Safe & Elegant Solution

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- Housing made of AISI 304 Stainless Steel (or 316 on request)
- > Large internal volume for effortless work
- From 4 up to 24 cable glands
- > Easy installation & maintenance
- Removable cover



Swivel Connectors

Swivel connectors are one of the most useful components for nozzles and fountain heads. These connectors offer precise & secure directional alignment of up to ±15° off the center axis. All models are made entirely of stainless steel AISI 304 (or 316 on request) and vary from lightweight to heavy duty solutions with male or female thread. There are 3 types of swivel connectors for threads from 1¼" up to 6".

Swivel connectors are easily mounted to the bottom of nozzles and heads.

- Handy component for all nozzles without integral swivel
- > Offers precise directional alignment
- > Made of AISI 304 Stainless Steel (or 316 on request)
- > Heavy Duty Construction
- > Easy installation
- > Professional & Reliable Solution
- > High corrosion & impact resistance



450

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RD Series Heavy Duty ±5° adjustability for 5" & 6"



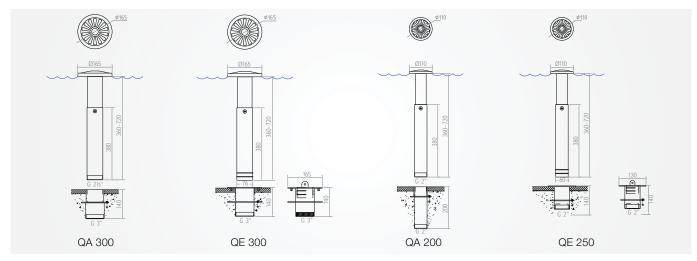


Adjustable Overflow Drains



Overflow fittings are necessary components for every pool. They are used to maintain constant water level, removing excessive water from the basin and preventing overflow. Overflow Telescopic Standpipes are the most versatile and flexible form of overflow fittings as they can be easily adjusted to match the exact water level required and the innovative top cover permits water outlet both from the bottom and from the top, preventing leafs from entering into the drain lines. All models are made entirely of pure AISI 304 stainless steel (or 316 on request) to offer excellent impact & corrosion resistance. QE models are equipped with slip-in connection to serve as floor drains as well by easily removing the standpipe. There are matching concrete penetration fittings, and all types can be manufactured in custom dimensions.

- > Unique & Professional Solution
- Maintains constant water level, prevents overflow
- > Adjustable to match exact water level required
- Made of AISI 304 Stainless Steel (or 316 on request)
- Innovative top cover
- > Easy installation & maintenance
- QE models serve as drain as well



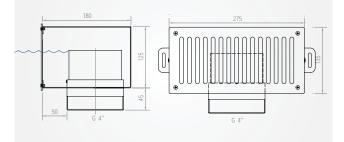
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LA 400 Wall Flush Mounted Adjustable Overflow

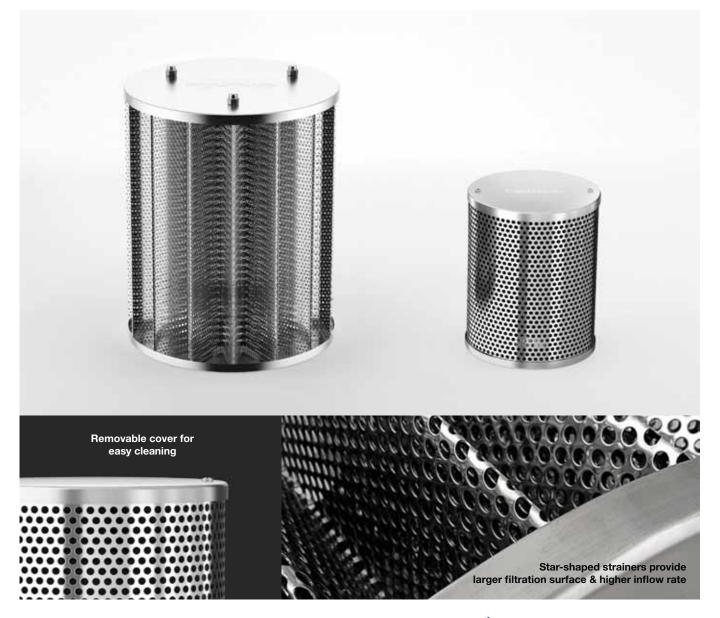
A necessary component for every pool, LA 400 offers a large, 4" water outlet to remove excessive water from the basin and prevent overflow. It is adjustable ±40mm even after installation for perfect fine-tuning of water level and it is entirely made of AISI 304 Stainless Steel (or 316 on request). The housing offers excellent impact and corrosion resistant and it can be easily installed flush, in-wall, leaving enough front space for lining (e.g. tiles, granite, etc).



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Suction Strainers



Suction Strainers are filter baskets to be placed on the suction lines of pumps. They prevent debris and particles from damaging pumps and clogging pipes & nozzles. Suction Strainers are crucial components for trouble-free operation of every fountain with dry pumps.

All models are made of corrosion-resistant, superior quality AISI 304 stainless steel (or 316 on request) and feature large round-perforated filtering surfaces which provide higher inflow rates. Medium and large models feature a star-shaped folded screen for even larger filtering surface and can be placed over the suction pipes. Smaller models are equipped with a male threaded (or female on request) fitting to be fastened directly on suction pipes. Cleaning of the baskets is quick and easy as the top cover is removable and all models are designed to extend maintenance frequency.

- Crucial component for all fountains with dry pumps
- > Protects pumps, nozzles & suction pipes
- Made of AISI 304 Stainless Steel (or 316 on request)
- Large Strainer Surface eliminates clogging and reduces maintenance costs
- Easy installation
- > Professional & Reliable Solution
- Removable cap for easier maintenance
- > High corrosion & impact resistance

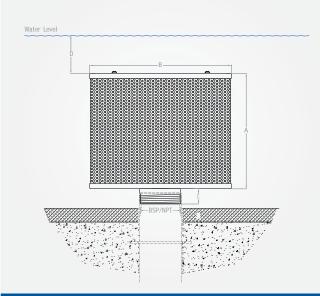




Suction Strainer Guide:

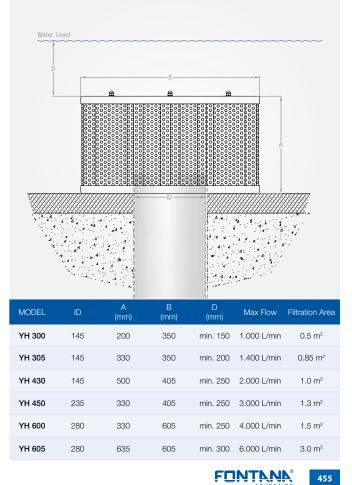
						YH450		YH600				YH605
L/min	500	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000

Round-Shaped, Male-Threaded Suction Strainers



MODEL	BSP/NPT	A (mm)	B (mm)	C (mm)	D (mm)	Max Flow	Filtration Area
YF 150	1½"	200	200	20	min. 80	300 L/min	0.12 m ²
YF 200	2"	250	200	20	min. 100	400 L/min	0.15 m ²
YF 250	21⁄2"	330	200	25	min. 150	500 L/min	0.20 m ²
YF 300	3"	330	305	30	min. 150	750 L/min	0.31 m ²
YF 400	4"	330	405	35	min. 200	900 L/min	0.41 m ²

Star-Shaped, Large Filter Area Suction Strainers



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FONTANA

Floor Drains

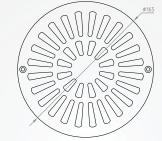


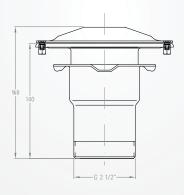


OE 250 Floor Drain

Floor drains are one of the most fundamental fittings in a fountain pool. They are used to empty the basin quickly and efficiently. OE 250 is designed to fit in all kinds of pools. The curved protection grill in combination with the precisely arranged openings offers fast drainage while preventing debris from entering and clogging the drain lines. The armature is entirely made of AISI 304 stainless steel (or 316 on request) to offer superior quality, impact & corrosion resistance. The protection grill can be easily removed for cleaning and maintenance.

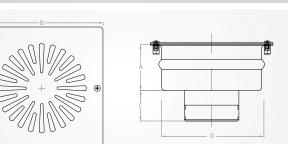
- > Quick and efficient draining of pools
- > Professional, heavy duty solution
- > Made of AISI 304 stainless steel (316 on request)
- Easy Installation
- > Curved protection grill with precise openings
- Removable protection grill for easy cleaning
- > Protection grill designed to protect from debris & leafs
- > High corrosion & impact resistance











ON Series Floor flush mounted Drain

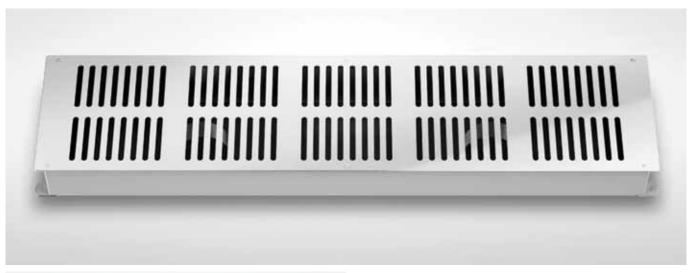
A flat-surface drain, ideal both for pools and dry-deck applications as it is absolutely flat and its openings are designed to prevent toe entrapment. It offers fast and efficient draining while the cover protects from leafs and debris clogging the lines. Entirely made of AISI 304 stainless steel (or 316 on request), it offers excellent corrosion and impact resistance.

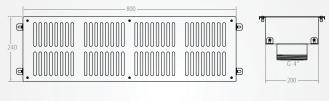
Professional Solution for Pools and Dry-Decks

- Made of AISI 304 stainless steel (316 on request)
- > Easy Installation & Maintenance

High corrosion & impact resistance

MODEL	BSP/NPT	A (mm)	B (mm)	C (mm)	D (mm)
ON 120	2"	75	165	45	136
ON 130	3"	75	200	50	163
ON 140	4"	85	265	50	225
ON 160	6"	90	345	60	295







OU 480 Large Area Floor Drain

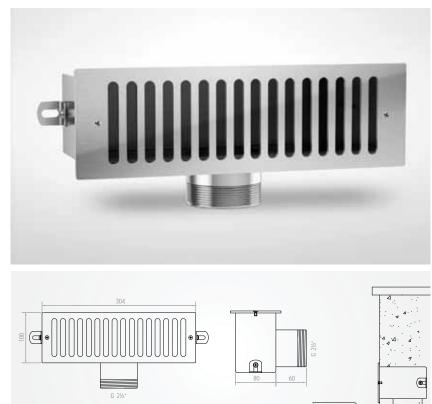
The perfect drain armature for large-scale, demanding applications. It is designed to drain large volumes of water in lightning-fast speeds, efficiently while it prevents leafs and debris from entering and clogging drain lines. It features two large, 4", male-threaded outlets and the strainer is removable for easy cleaning. Made entirely of pure AISI 304 stainless steel (or 316 on request), it offers excellent impact & corrosion resistance.

> Professional Solution for Lightning-Fast Draining of Large Pools

- Made entirely of AISI 304 stainless steel (316 on request)
- Easy Installation & Maintenance







OU 300 Floor Drain

A relatively compact drain designed to offer fast and efficient draining for small-medium pools. The cover protects from leafs and debris clogging the lines. Entirely made of AISI 304 stainless steel (or 316 on request), it offers excellent corrosion and impact resistance.

- Quick and efficient draining of pools
- > Professional, heavy duty solution
- Made of AISI 304 stainless steel (316 on request)
- Easy Installation
- Removable strainer for easy cleaning
- Strainer designed to protect from debris & leafs
- > High corrosion & impact resistance

OU 250 Wall or Floor mounted Slim Drain

This drain is primarily intended to be installed flush, in pool's wall. However, the combination of slim design with the side-placed water outlet makes it a unique solution for floor installation in thin-floor concrete pools as the drain line can be installed horizontally, ending directly into the drain's outlet. Entirely made of AISI 304 stainless steel (or 316 on request), it offers excellent corrosion and impact resistance. The large surface strainer offers fast and efficient draining and the cover protects from leafs and debris clogging the lines.

- Professional, heavy duty solution
- Ideal for flush in pool's wall mounting
- Unique solution for thin-floor concrete pools
- Fast and efficient draining
- Made of AISI 304 stainless steel (316 on request)
- Easy Installation & Cleaning
- Strainer designed to protect from debris & leafs
- > High corrosion & impact resistance





OU 420 Floor Drain

Compact-shaped, yet OU 420 offers large draining surface for fast and efficient draining of mediumlarge pools. The armature can be easily installed flush, in pool's floor and it is entirely made of AISI 304 stainless steel (or 316 on request) to provide excellent corrosion and impact resistance. The cover protects from leafs and debris clogging the lines.

- Quick and efficient draining of pools
- Professional, heavy duty solution
- Made of AISI 304 stainless steel (316 on request)
- Easy Installation
- Removable strainer for easy cleaning
- Strainer designed to protect from debris & leafs
- > High corrosion & impact resistance

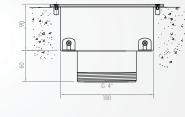
OU 450

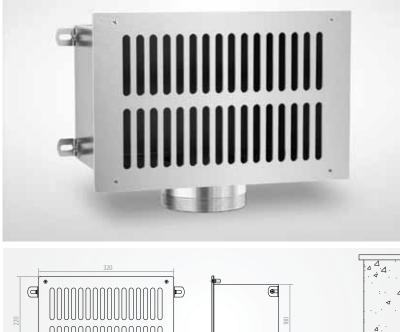
Wall or Floor mounted Slim Drain

OU 450 is a medium-large area drain designed to offer high draining speed. It is primarily intended to be installed flush, in pools' wall. However, the combination of slim design with the side-placed water outlet makes it a unique solution for floor installation in thin-concrete slab pools as the drain line can be installed horizontally, ending directly into the drain's outlet. Entirely made of AISI 304 stainless steel (or 316 on request), it offers excellent corrosion and impact resistance. The large surface strainer offers fast and efficient draining and the cover protects from leafs and debris clogging the lines.

- > Professional, heavy duty solution
- Ideal for flush in pool's wall mounting
- Unique solution for thin-floor concrete pools
- Fast and efficient draining
- Made of AISI 304 stainless steel (316 on request)
- Easy Installation & Cleaning
- Strainer designed to protect from debris & leafs
- High corrosion & impact resistance





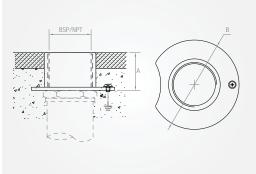




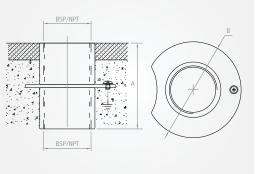
Floor/Wall Fittings

Floor/Wall fittings are made of pure corrosion resistant AISI 304 stainless steel (or 316 on request) and they serve the purpose of watertight penetrations through concrete slabs for a multitude of applications like supply lines, drain lines, cable transitions, nozzles & fountain heads mounting and virtually anything that has to pass through concrete. There are male and female threaded fittings, a heavy duty flange model and some can be simply pushed into pvc pipes. All models can be tailor made in custom height to meet specific requirements.









> Professional, heavy duty solution

- Made entirely of AISI 304 Stainless Steel (or 316 on request)
- Ideal for floor/wall penetrations and a wide range of applications
- All models feature HydroStop Flange
- > Can be made in custom size

TA Series Floor/Wall Fitting

MODEL	BSP/NPT	A (mm)	B (mm)
TA 100	1"	38	88
TA 150	11⁄2"	45	110
TA 200	2"	48	114
TA 250	21⁄2"	60	140
TA 300	3"	65	150
TA 400	4"	75	185

TC Series

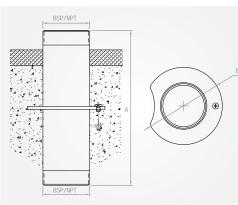
Female-Female Floor/Wall Fitting

MODEL	BSP/NPT	A (mm)	B (mm)
TC 100	1"	82	88
TC 150	1½"	93	100
TC 200	2"	102	114
TC 250	21⁄2"	124	140
TC 300	3"	134	150
TC 400	4"	155	185

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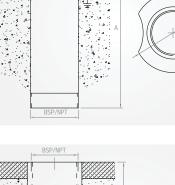
460 FONTANA



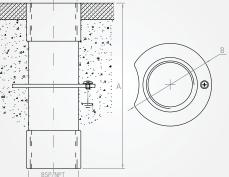


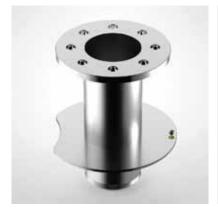


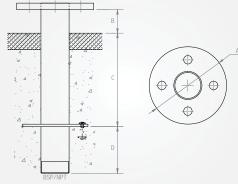




BSP/NPT







TI Series Male-Male Floor/Wall Fitting

MODEL	BSP/NPT	A (mm)	B (mm)
TI 100	1"	200	74
TI 150	1½"	200	88
TI 200	2"	200	100
TI 250	21/2"	200	113
TI 300	3"	200	130
TI 400	4"	200	160
TI 500	5"	250	220
TI 600	6"	250	250

TK Series

Male-Female Floor/Wall Fitting

MODEL	BSP/NPT	A (mm)	B (mm)	C (mm)
TK 100	1"	200	88	40
TK 150	1½"	200	100	45
TK 200	2"	200	114	50
TK 250	21⁄2"	200	140	60
TK 300	3"	200	150	65
TK 400	4"	200	185	75
TK 600	6"	250	270	60

TY Series

Female-Female Floor/Wall Fitting

MODEL	BSP/NPT	A (mm)	B (mm)
TY 100	1"	200	74
TY 150	11⁄2"	200	88
TY 200	2"	200	100
TY 250	21⁄2"	200	113
TY 300	3"	200	130
TY 400	4"	200	160

TZ Series

Male-Flange Floor/Wall Fitting

MODEL	BSP/NPT	A (mm)	B (mm)	C (mm)	D (mm)
TZ 200	2"	165	50	200	100
TZ 300	3"	185	50	200	100
TZ 400	4"	220	50	200	100
TZ 600	6"	285	70	300	100



notes

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