



# FOUNTAIN TECHNOLOGY & LAKE MANAGEMENT

CATALOGUE FOR PARTNERS AND DISTRIBUTORS



»PASSION  
FOR INNOVATION«

Smart City Lagoon  
Location: Ricasoli / Malta





As a leader in innovation, OASE provides surprises every year with breath-taking works of art consisting of water and light – master accomplishments of technology and design, Made in Germany, that are unrivalled anywhere in the world. Products and services are developed and executed at the highest level – wholly in keeping with the standards of quality and execution that have characterised us for more than 60 years.

*Welcome to the world of OASE.*

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Location: Warsaw/Poland

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# INTRODUCTION



**Egon Lütke-meier**  
*Director Commercial Business HQ*

## DEAR OASE PARTNER,

A boundless passion for water and light implemented in the perfect blend of design & technology from the leader in innovation. Creativity is the main component of a water installation concept, the right feel for spatial dimensions, and harmony of the elements, water, fire, earth and air. On the other hand, the detailed planning involves technology and precision, exact calculations and precisely matched components. Thus: »He who masters the technology, attains the freedom to create.«

The innovative, energy-efficient products from OASE make it particularly easy for you to realize your design ideas. Our international OASE team would be pleased to support you in all questions concerning concept, technical planning, professional installation and service.

**Contact us, we look forward to meeting you!**



# MADE IN GERMANY



## CREATED FOR LIMITLESS ENJOYMENT OF WORKS OF ART.

The **products** that we develop and produce inspire our customers around the world through their high performance, **reliability** and **long service life**. In our production we combine modern, automatic manufacturing technology with **qualified know-how**. Whether pumps, filters, light, control systems, software applications or accessories precisely matched to the products – production at our headquarters carries the seal of quality »**Made in Germany**«.

With their knowledge, our **specialists** cover all areas of water technology: From **mechanical engineering** and **materials engineering** to **electrical engineering** and **software development**.

This incredible **versatility** is the basis of our broad system assortment and the **high quality** of the OASE products. OASE always offers you the latest state-of-the-art technology and **innovations** that will be a source of pleasure to you for many years.

# PRODUCT INNOVATIONS

WE ARE PROUD TO PRESENT



## FOUNTAIN FLAME – FOR SPECTACULAR FIRE EFFECTS

»Come on, baby, light my fire, Try to set the night on fire.« *The Doors*

The theory of the four elements played a significant role in ancient Greek philosophy: Everything that exists is made up of the four basic elements, earth, air, fire and water. In the spectacular Fountain Flame **OASE now unites two** of these elements, which at first glance do not seem to go together: **Fire and water** in a unique combination. A gas flame that dances on a variable water jet against the backdrop of a clear night sky, generates spectacular **dynamic special effects**.

**Fire and water spectacularly combined.**

More information on page 36.





## VARIONAUT 270 DMX/02 – FROM ZERO TO ONE HUNDRED IN ONE SECOND\*

»To get the greatest possible performance, speed and endurance from a given amount of energy is the great technical task of these years.« *Niki Lauda*

As the **market leader** for individually controllable fountain pumps, OASE has ensured effect-rich, dynamic water patterns with the Varionaut range for **more than 10 years**. Combined with the DMX-RDM controller, the **patented, controllable pumps** generate impressive, changing visual effects that are unrivalled. With spectacular speed, in one second the new powerhouse with continuous operation characteristics, the **Varionaut 270/DMX/02**, shoots its water charge on high and impresses viewers through lightning-fast change – and thus offers a **maximum of dynamics** in every fountain installation.

**The new original. As always. Simply better.**

More information on page 98

\*Based on percent

# PRODUCT INNOVATIONS

WE ARE PROUD TO PRESENT



## UNDERWATER POWER SUPPLY 250 24V/01 – WORLD DEBUT – SAVES TIME, MATERIAL, AND INSTALLATION EFFORT

»Plug’N’Spray is the successful principle of the completely sealed underwater power supply unit 250 24V/01 – patented and UL-certified.«

**What is new, worldwide,** is the fact that now low-voltage consumers can likewise be operated underwater via the power supply unit – an incredible savings in time, and in material and system costs at every construction site. The underwater power supply unit with **patented**, watertight plug connections, not only reduces installation effort, it also reduces the space requirements in the control cabinet, as well as cabling and maintenance costs. Thanks to the plug connection, connected devices can be quickly and easily replaced. The power supply unit's high efficiency of over 92% is an indication of OASE's environmental awareness, as a Green Company.

**Economical, fast, safe cabling**

More information on page 170.





## WECS II 512/1024 WEBSERVER EXTENSION – AT HOME IN THE INTERNET OF THINGS

»The future – already today.«

The **Internet of Things** will significantly change the world in the future and it is also one of the greatest technical challenges of our time. With the WECS II 512/1024 Webserver Extension, **OASE is again the forerunner** in this megatrend of our industry. In conjunction with the DMX/RDM controller, this software offers round-the-clock controllability, and at the same time simplified remote control via the Internet.

**Smart Fountain: control »intelligently« – by anyone and from any location in the world.**

More information on page 176.

# DISCOVER THE WORLD

## OF OASE FOUNTAIN TECHNOLOGY



### GERMAN ENGINEERING AND INTERNATIONAL DESIGN KNOW-HOW

As an internationally active enterprise, OASE ensures enthusiasm with breath-taking masterpieces of water and light in more than 95 countries every day. We would like to relay this passion to you with our innovative new products and ingenious ideas. Our first-class products Made in Germany: High-quality workmanship and clever system technology are the basis for the fascinating choreography of water, light and fire effects that our design office in Singapore creates and visualises. Perfect teamwork that ensures enthusiasm worldwide.

### PROJECT-ACCOMPANYING ENGINEERING AND RELIABLE AFTER-SALES SERVICE

Each project demands utmost concentration, commitment, reliability and most of all, punctuality. The larger the installation, the more complex the collaboration in the entire network of the participating partners. Consequently, it is particularly important for us to support each of our partners to the best of our ability during the construction phase. With competent and professional consulting, detailed planning and understandable drawings, we are available at any time. Also after completion of the project, we are there for our partners. Fast and uncomplicated help is required particularly for maintenance tasks or technical support.

You can count on it; for us partnership is more than simply a word!



# OASE LAKE MANAGEMENT



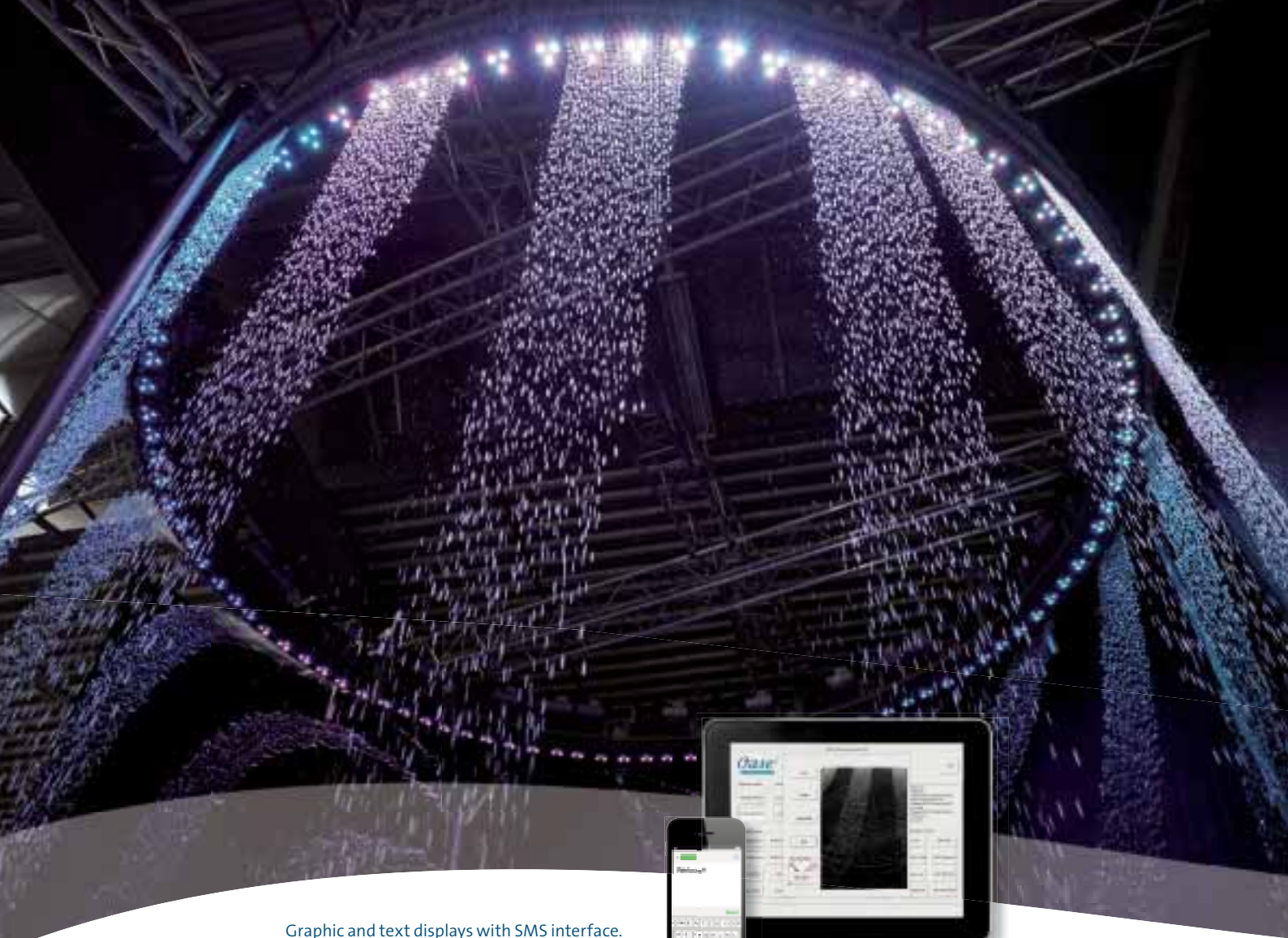
## OASE AWARENESS OF THE ENVIRONMENT AND SAFETY

As the leading supplier in all things dealing with water, the environment is of special concern for us. Consequently, we also contribute extensively to the conservation of resources; we do not take clean water and a permanent energy supply for granted. As a “green company”, for years we have focused on energy-saving products that achieve the highest possible performance with the lowest possible energy consumption. This energy efficiency is of particular benefit for products that are designed for continuous operation, such as our Varionaut pumps.

But we do not just place value on environmental compatibility at the end of our production chain, but rather it is our priority during the entire production process. Therefore, we are constantly working on integrating more efficiency and environmental consciousness, thus contributing to nature conservation.

## EFFECTIVE MANUFACTURING PROCESSES

In a project many processes run together toward a major goal, like in a network. Consequently, for us it is indispensable that we work together with our partners in trust and reliability. And because first-class workmanship and punctual delivery are part of reliability, we work on trustful partnership right from the beginning of manufacturing. With our effective processes, we guarantee a smooth production procedure, in which particular value is placed on the workmanship of high-quality and durable materials, and continuous quality control. Moreover, our experts are working continuously on optimisation of the manufacturing steps in order to assure even better performance for you.



Graphic and text displays with SMS interface.  
For more information see page 32.



## QUALITY ON THE HIGHEST LEVEL

Our team of engineers and technicians set high standards to assure the outstanding quality of our products. At OASE modern quality management starts with the conception of new products: Failure Mode Effects Analysis (FMEA), MTTF calculations and an extensive test programme assure the high standard of our new developments. Shop floor management and statistical process improvement (SPI) are the basis for the continuous improvement process CPI of our manufacturing.

Collaboration with our suppliers is long-term and based on trust – an important prerequisite for the high flexibility of our project management.

## OASE PROJECT COORDINATION

OASE Project Coordination combines all services associated with your project – OASE Project Coordination views itself as a network manager that brings the different partners together. Thus, our designers create and visualise fascinating works of art from water, light, and fire in close collaboration with architects and planners; these works of art are then implemented by our competent project coordinators.

From the idea to completion of your project, OASE remains your partner with our unique all-round competence.

We place the greatest value on compliance with scheduled dates and budget – for implementation of your project that is successful for all parties.





## OASE SERVICE

Use our Service Hotline or our Live Chat via Skype that are available to you for consultation and service around the clock from Monday to Friday:

**Telephone: +49 (0) 5454 / 33 8 33 99 (worldwide)**

**Skype: Oase Service Fountain Technology**

If you have more extensive questions or if you require consultation, our worldwide sales team is there for you at any time. Simply contact us:

Contact OASE

[www.oase-livingwater.com/oasecontact](http://www.oase-livingwater.com/oasecontact)

Contact to the OASE competence partners

[www.oase-livingwater.com/oasedealer](http://www.oase-livingwater.com/oasedealer)

## OASE WEBSITE

Water in every form of movement is pure fascination, which ideally a person must see with their own eyes. In the global OASE network of competent partners, reliable service, first-class product systems and individual components, unique works of art are produced that captivate every observer.

Discover now how OASE projects are fascinating people throughout the world by visiting our website!

Get totally new inspiration and ideas for your planning – it's easy at [www.oase-livingwater.com](http://www.oase-livingwater.com)



# CONTROLLABLE NOZZLES

NOZZLES

CONTROLLABLE



**Water has thousand faces. Sometimes it shoots up high, then splashes and bubbles exuberantly, or it is totally still and gentle. And it does all of this with nozzles from OASE.**

Every location has its very special unique atmosphere. A public square, in the heart of the city looks different in Paris than it does in Dubai. An artistically designed park can give a sense of tranquil strength or contemplative well-being. Spray fountains and fountains from OASE enable you to experience and engage with the particularities of a location and to use water to the best advantage of that location.

We distinguish classic nozzles from controllable nozzles. Controllable nozzles are nozzles which can be electronically controlled to provide a range of effects. For example the Multidirectional Drive II 3D is DMX/RDM controlled. The rotation and swivelling could be individual controlled in direction and speed.





## 16 Controllable Nozzles

- 18 Jumping Jet Rainbow Star
- 20 Jumping Jet Rainbow Flash
- 22 Vario Switch
- 24 Multi Directional Drive
- 28 Swivel
- 30 Air Nozzle
- 32 FlashWall
- 34 VarioJet
- 36 Fountain Flame
- 38 Fog/Mist System

### KLCC PARK/PETRONAS TOWERS

#### LOCATION: KUALA LUMPUR/ MALAYSIA

KLCC is the abbreviation of Kuala Lumpur City Centre, and KLCC Park is located in the heart of the city, at the foot of the monumental Petronas Towers. The musical fountain consists of more than 480 individually controlled water effects and more than 1,000 underwater lights.



*Multi Directional Drive II 3 D/DMX/02*



*Jumping Jet Rainbow Flash II/DMX/02*



*AirNozzle horizontal/01*



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Jumping Jet Rainbow Star	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## JUMPING JET RAINBOW STAR

Water jets magically shoot through the air in broad arcs and disappear, just as unexpectedly as they appeared – Jumping Jet systems are the attraction in leisure parks and amusement parks, in discotheques, at trade shows, exhibitions, and other events.

The combination possibilities give the system an individual flair: The colour of the integrated RGB-light can be freely selected and can be supported in its effect by numerous switchable run-

ning light functions. Alternatively the laminar water jet can also have a cutting effect to produce short sections of laminar water.

### Product characteristics at a glance

- Can be used indoors and outdoors
- Selectable RGB-LED light
- Switchable running light function
- Laminar water jet
- Cut off function



Jumping Jet Rainbow Star



Jumping Jet Rainbow Star





### Technical note

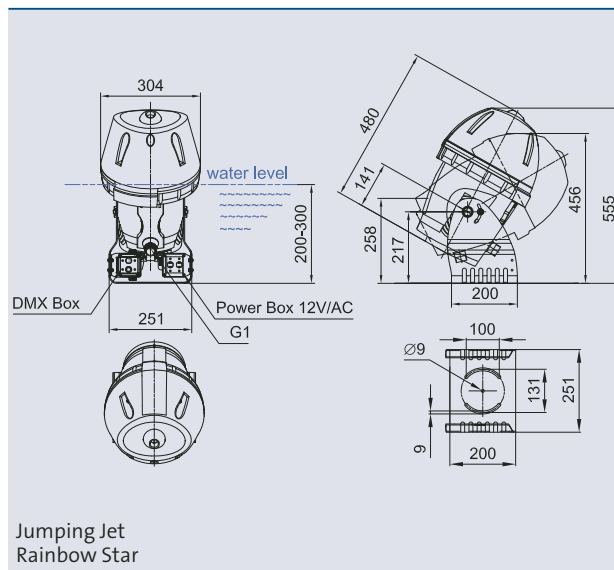
With the respective pump and control technique you can reach different water parabolas (see graphic below). An ideal pump for these effects is the **Varionaut**, see pages 92-101.

When operating the Rainbow-Star, water can splash, particularly with water jets that are shot quickly in succession. The amount of splash water is negligible if the water jet is operated as a full, continuous parabola (see graphic).

The water must be clean in order to transport light via the water jet. The target point can only be illuminated by the parabola if the water is clear.

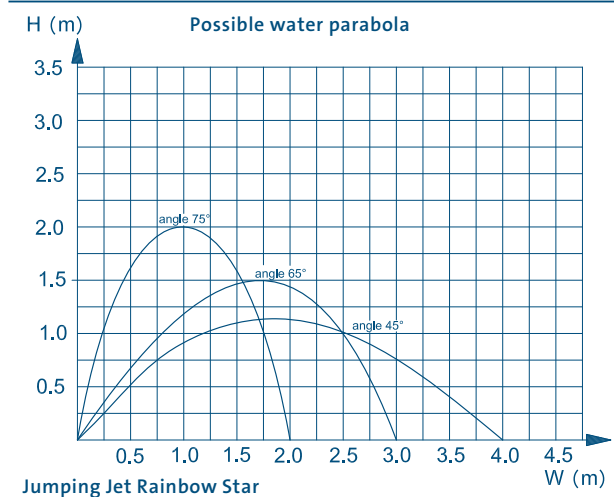
### Accessories (must be ordered separately)

<b>Aquarius Universal Premium 5000</b> (see page 102)	<b>56617</b>
<b>Installation kit JumpingJet Rainbow Star</b> (see page 245)	<b>51058</b>
<b>Connecting cable DMX/01</b> (see page 162)	<b>Order no.</b>
Connecting cable DMX/1.0 m/01	<b>12368</b>
Connecting cable DMX/3.0 m/01	<b>12369</b>
Connecting cable DMX/5.0 m/01	<b>12371</b>
Connecting cable DMX/10.0 m/01	<b>12372</b>
Connecting cable DMX/20.0 m/01	<b>12373</b>
End Resistant for Bus-System DMX/01	<b>12007</b>
DMX-Box/01	<b>57646</b>
<b>Connecting cable 12V AC/01</b> (see page 160)	<b>Order no.</b>
Connecting cable 12V AC /1.0 m/01	<b>12768</b>
Connecting cable 12V AC /3.0 m/01	<b>12374</b>
Connecting cable 12V AC /7.5 m/01	<b>12375</b>
Connecting cable 12V AC /15.0 m/01	<b>11740</b>
<b>PowerBox 12 V AC / 01</b> (see page 160)	<b>50493</b>
<b>Underwater transformer UST 150 / 01</b> (see page 190)	<b>50401</b>
<b>Underwater transformer UST 150 / A / 01</b> (s. page 190)	<b>50517</b>
<b>WECS II 512 / DMX/02</b> (see page 174)	<b>56491</b>
<b>WECS II 1024 / DMX/02</b> (see page 174)	<b>56492</b>
<b>WECS II 2048 / DMX/02</b> (see page 180)	<b>56507</b>



Jumping Jet Rainbow Star

45° Parabola	Jumping Jet Rainbow Star /DMX/01		
Fountain width [m]	DWB [l/min]	DDB [bar]	Fountain height [m]
1.5	16	0.10	0.68
2	20	0.12	0.81
3	24	0.17	1.04
4	28	0.22	1.28
<b>Order no.</b>	<b>50345</b>		



Jumping Jet Rainbow Star /DMX/01	
Dimensions (L x W x H)	[mm] 478 x 305 x 555
Light type	LED RGB multiple spotlights
Rated voltage (mechanical/illumination)	[V/AC] 12
Power consumption (mechanical/illumination)	[W] 33
Jet diameter	[mm] 12
Min. water depth	[mm] 200
Max. water depth	[mm] 300
Vertical pivoting range	[°] 45 – 90
DMX connection	1 x
Material	Plastic / stainless steel 1.4301 (AISI 304)
Weight	[kg] 11
<b>Order no.</b>	<b>50345</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Jumping Jet Rainbow Flash	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

\*Seawater product version on request

## JUMPING JET RAINBOW FLASH II / DMX / 02

The new generation of Jumping Jet Rainbow Flash combines functionality and virtually unlimited creative freedom. Now the Jumping Jet Rainbow Flash II can be arranged wet or dry.

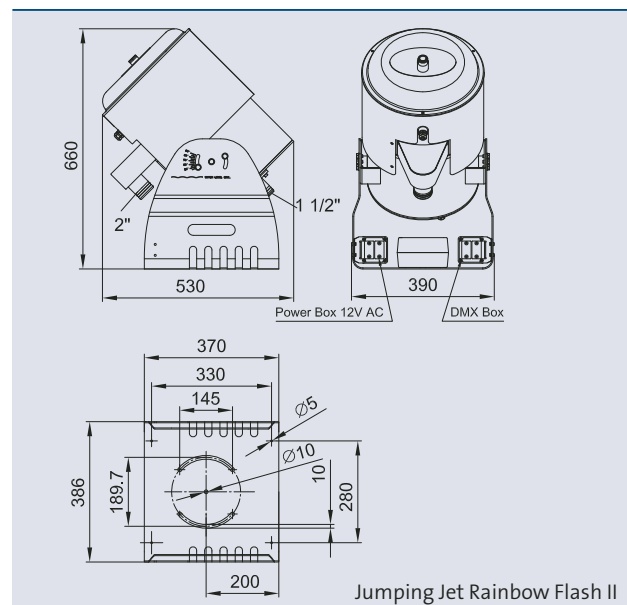
The combination possibilities give the system an individual flair: The laminar water jet can also have cutting effects. The colour of the integrated RGB-light can be freely selected. Now it is possible using only one rated voltage of 12V/ AC and only one control box of DMX/RDM for illumination and mechanics.

### Product characteristics at a glance

- Can be used indoors and outdoors with dry installation technology
- Surprising water features, dynamic parabola possible
- Precise, crystal clear water jets
- Jet diameter 18 mm
- Integrated illumination effects with strong RGB-LED light
- Cut off function
- RDM-DMX capable (combine with WECS)
- Vibration-free, quiet operation
- Extremely stable - with or without floor anchoring
- Compact stainless steel design
- Sea water Jumping Jet Rainbow Flash II on request



Jumping Jet Rainbow Flash II



Jumping Jet Rainbow Flash II



### Technical note

When operating the Rainbow-Flash, water can splash, particularly with water jets that are shot quickly in succession; the amount is approx. 2 litres per hour. The amount of splash water is negligible if the water jet is operated as a full, continuous parabola.

The water must be clean in order to transport light via the water jet. The target point can only be illuminated by the parabola (see graphic on right) if the water is clear.

45° Parabola		Jumping Jet Rainbow Flash II/DMX/02	
Fountain width	DWB [l/min]	DDB [bar]	
1.25 m	30	0.10	
2.00 m	36	0.15	
3.00 m	46	0.20	
4.00 m	54	0.25	
5.00 m	63	0.30	
6.00 m	72	0.35	
Order no.			50528

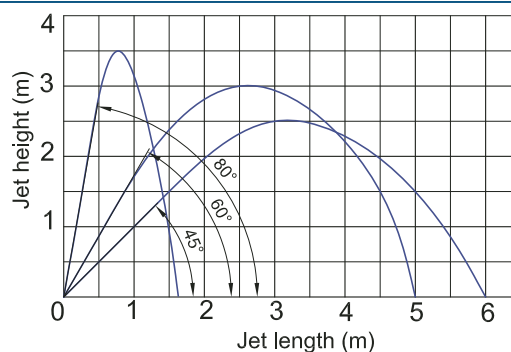
A

\*Hose to be laid without sharp bends  
\*Hose outlet must be free and over water level

	X Tube length [m]	Y min [m]
45°	0-3	0.1
	4	0.5
	5	1
	6	1.5
	6	1.5
80°	0-3	1
	4	1
	5	1.5
	6	1.5

B

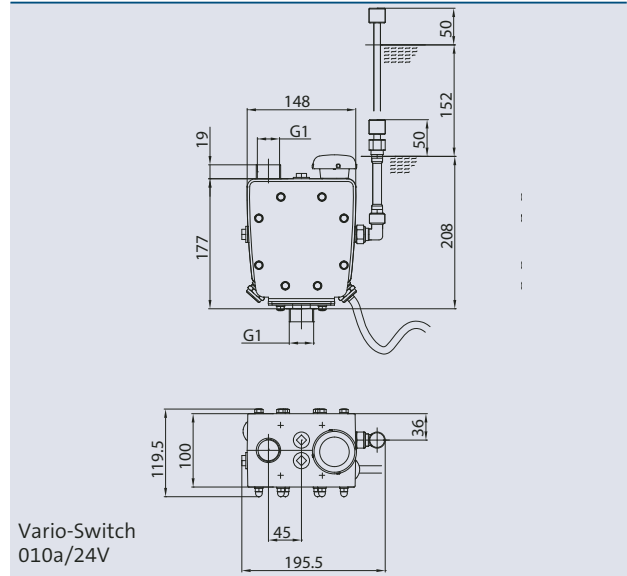
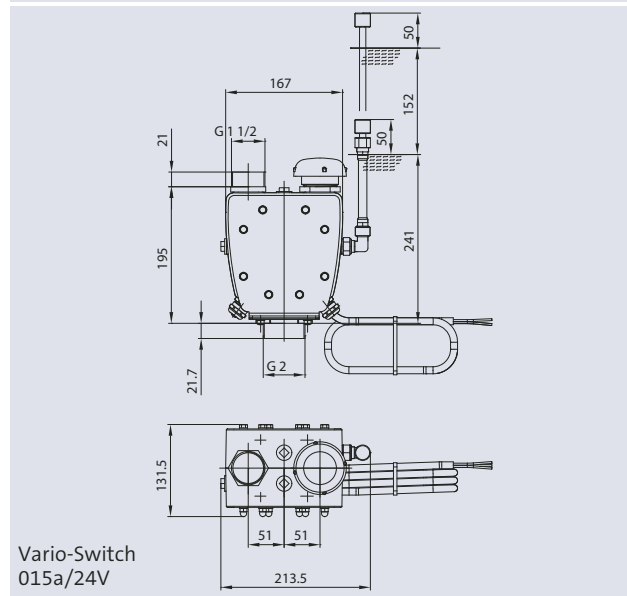
### Possible water parabola



### Accessories (must be ordered separately)

Connecting cable DMX/01 (see page 162)	Order no.
Connecting cable DMX/1.0 m/01	12368
Connecting cable DMX/3.0 m/01	12369
Connecting cable DMX/5.0 m/01	12371
Connecting cable DMX/10.0 m/01	12372
Connecting cable DMX/20.0 m/01	12373
End Resistant for Bus-System DMX/01	12007
DMX-Box/01	57646
Connecting cable 12V AC/01 (see page 160)	Order no.
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Connecting cable 12V AC /7.5 m/01	12375
Connecting cable 12V AC /15.0 m/01	11740
<b>PowerBox 12 V AC / 01</b> (see page 160)	50492
<b>Underwater transformer UST 150 / 01</b> (see pages 190)	50401
<b>Underwater transformer UST 150 / A / 01</b> (see pages 190)	50517
<b>WECS II 512 / DMX/02</b> (see page 174)	56491
<b>WECS II 1024 / DMX/02</b> (see page 174)	56492
<b>WECS II 2048 / DMX/02</b> (see page 180)	56507

Jumping Jet Rainbow Flash II / DMX / 02		
Dimensions (length/width/height)	[mm]	530 x 390 x 660
Light type		LED RGB multiple spotlight
Rated voltage mechanic and illumination	[V/AC]	12
Total consumption	[W]	20
Jet diameter	[mm]	Ø18
Max. water parabola laminar with light	[m]	6
Max. water parabola laminar	[m]	7
Max. pressure	[bar]	0.5
Max. water depth (wet installation)	[mm]	250
Vertical pivoting range	[°]	45 - 90
Pressure side connection		Hose connection 1 1/2"
Outflow side connection		Hose connection 2"
RDM-DMX connection		1 box
Number of DMX channels		8 channels, start number 1
Material		Stainless steel 1.4301 (AISI 304)
Weight	[kg]	50
Environmental condition: submersible application	[°C]	Water temperature: min 4°C to max. 35°C
Environmental condition: dry application	[°C]	Ambient temperature: max. 30°C with natural convection, max. 40 with forced convection, no direct sun exposure permitted
Order no.		50528

Vario-Switch  
010a/24VVario-Switch  
015a/24V

	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Vario-Switch													

## VARIO-SWITCH

### Product characteristics at a glance

- Dynamically variable water effect for musical fountains or interactive water effects
- Effect switchover is virtually executed without pressure loss
- Power-saving electrical valve technology
- Stable construction and stainless steel side pieces
- Four-core connection cable provided by others
- Low maintenance in good water conditions
- No-maintenance membrane valves



Vario-Switch 010a/24V

Vario-Switch 015a/24V



**In musical fountains or other fountain installations with dynamic elements water becomes lively with help from Vario switch systems.**

This water switch is combined with a suitable nozzle and switches between two outputs – similar to a 3/2-way valve – almost without pressure loss and without water hammer effects in the lines. Normally one of those outputs is used as a pure bypass, however a second nozzle can also be mounted.

The air for alternately switching (e.g. atmospheric pressure on and off) is supplied via the telescopic tube. Switchover time is flow dependent and cycles of 0.1 s are achievable.

Please note: the operational range of the device is limited by the min. and max. flow rate als shown below.

**Accessories** (must be ordered separately)

	Order no.
Comet 10-12 T (see page 44)	50968
Comet 10-14 T (see page 44)	50969
Comet 15-17 T (see page 44)	50970
Comet 10-12 Silver (see page 42)	45454
Comet 10-14 Silver (see page 42)	50723
Comet 15-17 Silver (see page 42)	50724
Schaumsprudler 35-10 E (see page 64)	50984
Schaumsprudler 55-15 E (see page 64)	50987

Water flow and pressure requirements of the Vario-Switch with different nozzles

Model	Vario-Switch Vario-Switch 010a/24V						Vario-Switch Vario-Switch 015a/24V			
	Comet 10-12T		Comet 10-14T		Schaumsprudler 35-10E		Comet 15-17T		Schaumsprudler 55-15E	
Nozzle	DDB	DWB	DDB	DWB	DDB	DWB	DWB	DDB	DDB	DWB
Fountain height [m]	bar	l/min	bar	l/min	bar	l/min	bar	l/min	bar	l/min
0.50	0.21	27	0.25	31	0.42	38	0.16	100	0.50	158
1.00	0.35	37	0.46	40	0.72	49	0.22	123	0.92	209
1.50	0.60	46	0.66	48	0.98	57	0.32	137	1.42	255
2.00	0.72	50	0.86	55	1.22	63	0.42	154	1.92	291
2.50	0.86	55	1.06	61	1.52	70	0.52	168	2.48	322
3.00	1.02	60	1.32	67	1.80	76	0.62	181	2.80	343
3.50	1.22	65	1.55	73	2.10	81	0.72	192		
4.00	1.38	70	1.82	79			0.82	202		
4.50	1.64	75	1.96	82			0.92	214		
5.00	1.82	80	2.18	87			1.02	218		
5.50	2.10	85	3.00	96			1.12	230		

VarioSwitch		010a/24V	015a/24V
Dimensions (LxWxH)	[mm]	150 x 120 x 210	170 x 130 x 240
Nominal voltage		24V / DC	24V / DC
Power consumption	[W]	2 x 8	2 x 8
Flow rate min.	[l/min]	35.0	85.0
Flow rate max.	[l/min]	95.0	325.0
Pressure min.	[bar]	0.1	0.2
Pressure max.	[bar]	3.4	3.0
Protection class		IP 58	IP 58
Strainer	[ø mm]	2	2
Material		Plastic / stainless steel 1.4301 (AISI 304)	Plastic / stainless steel 1.4301 (AISI 304)
Weight	[kg]	5.2	6.7
Cable length	[m]	2.0	2.0
<b>Order no.</b>		<b>57472</b>	<b>57435</b>

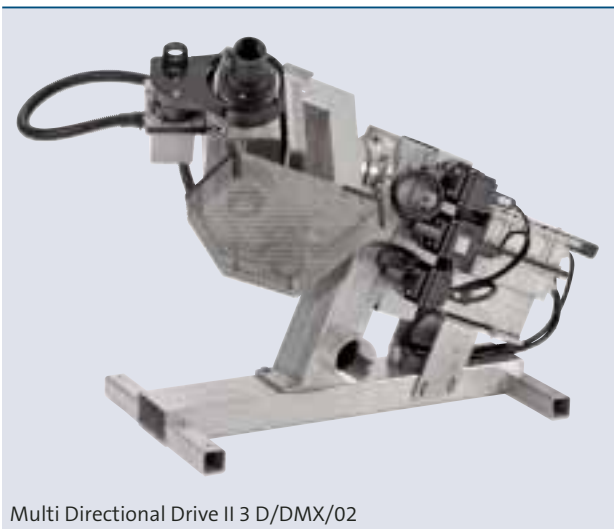


	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Multi Directional Drive II 3 D/DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## MULTI DIRECTIONAL DRIVE II 3 D/DMX/02

The multidimensional drive with its endless rotating axis and two swivel drives creates a complete new and unforgettable water pattern.

The MDD in combination with the different nozzle patterns Fan Jet 15-8 (53047), Finger Nozzle 7-15 E (51110) and the overlapping movements caused by the endless rotation with a swivelling range of max. 180° on the y-axis and 200° on the x-axis result in innumerable impressive effects.



Multi Directional Drive II 3 D/DMX/02

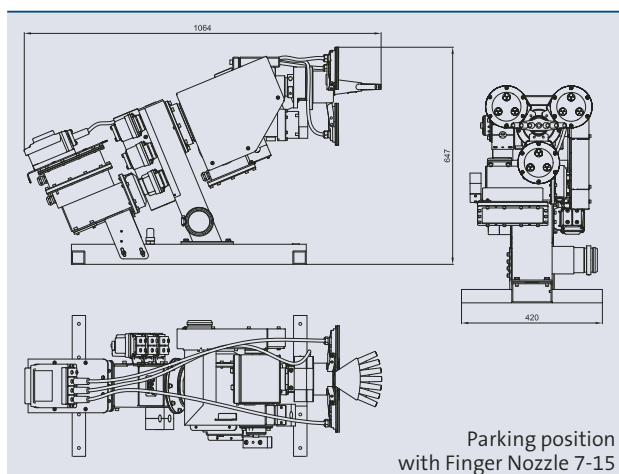
The Multi Directional Drive II 3D, which is suitable for fresh water, pool water and sea water application, has a waterproof 24 V DC voltage plug connection and DMX data plug connection and is DMX/RDM-capable

### Product characteristics at a glance

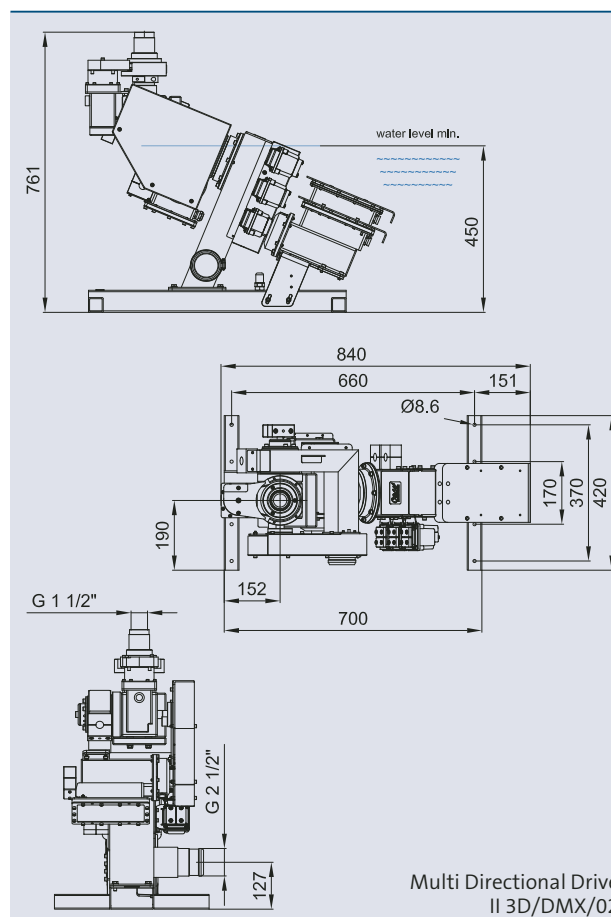
- Multidimensional drive, suitable for different nozzle patterns  
(Fan Jet 10-20-6 S (50524), Finger Nozzle 7-15 E (51110))
- Pivoting range up to 200°/3 sec. on the x-axis and 140° on the y-axis, z-axis 360° endless rotation in both directions, individual controllable, 850°/1 sec (2.3 rotation per sec.)
- Underwater parking position possible
- 1 ½"-thread nozzle, 2 ½"-thread water
- Robust stainless steel construction
- Suitable for operation in fresh water, pool water and sea water
- Energy efficient 24 V/DC motor
- DMX/RDM capable
- Controllable by OASE DMX-RDM controller (WECS II)  
(not included in the scope of delivery)



	MDD II 3D		Finger Nozzle 7-15		Fan Jet 15-8		Finger Nozzle 7-15 on MDD II 3D		Fan Jet 15-8 on MDD II 3D	
	DWB	DDB	DWB	DDB	DWB	DDB	DWB	DDB	DWB	DDB
Fountain height	l/min	bar	l/min	bar	l/min	bar	l/min	bar	l/min	bar
1.00 [m]	150	0.15	150	0.10	200	0.11	150	0.25	200	0.30
1.50 [m]	200	0.19	200	0.21	244	0.17	200	0.40	244	0.42
2.00 [m]	250	0.25	250	0.35	282	0.25	250	0.60	282	0.55
4.00 [m]	300	0.32	300	0.48	517	0.65	300	0.80	517	1.33
5.00 [m]	400	0.48	–	–	750	1.33	–	–	750	2.73
	500	0.63								
	600	0.95								
	700	1.28								
	800	1.55								
Material	Stainless steel 1.4571 (AISI 316Ti) / Ceramic / POM		Stainless steel 1.4404 (AISI 316L)		Stainless steel 1.4301 (AISI 304)		Stainless steel 1.4404 (AISI 316L) / Ceramic / POM		Stainless steel 1.4301 (AISI 304) / POM / Ceramic	
Order no.	51225		51110		53047		51110 + 51225		53047 + 51225	


**Accessories** (must be ordered separately)

Finger Nozzle 7 - 15 E (see page 60)	51110
Fan Jet 15-8 E (see page 55)	53047
LED-Modul II 960 /DMX/02 (see page 151)	51069
Underwater power supply 250 / 24 V / 01 (see pages 170)	50733
<b>Connecting cable DMX/01</b> (see page 162)	<b>Order no.</b>
Connecting cable DMX/1.0 m/01	12368
Connecting cable DMX/3.0 m/01	12369
Connecting cable DMX/5.0 m/01	12371
Connecting cable DMX/10.0 m/01	12372
Connecting cable DMX/20.0 m/01	12373
End Resistant for Bus-System DMX/01	12007
DMX-Box/01	57646
<b>Connecting cable 24V DC/01</b> (see page 160)	<b>Order no.</b>
Connecting cable 24V DC /1.0 m/01	12762
Connecting cable 24V DC /3.0 m/01	12552
Connecting cable 24V DC /7.5 m/01	12553
Connecting cable 24V DC /15.0 m/01	11720
<b>PowerBox 24 V DC / 01</b> (see page 160)	50493
<b>WECS II 512 / DMX/02</b> (see page 174)	56491
<b>WECS II 1024 / DMX/02</b> (see page 174)	56492
<b>WECS II 2048 / DMX/02</b> (see page 180)	56507



Multi Directional Drive II 3D/DMX/02	
Dimensions (L x W x H)	[mm] 840 x 420 x 761
Nominal voltage	[V/DC] 24
Power consumption	[W] 79.2
Nominal current	[A] 3.3
Max. operation pressure	[bar] 3.5
Protection class	IP 68
Power connection	with box
RDM-DMX connection	with box
Material	Stainless steel 1.4571 (AISI 316Ti) / Ceramic / POM
Weight	[kg] 71
Order no.	51225



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Multi Directional Drive II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## MULTI DIRECTIONAL DRIVE II /DMX/02

**Unique and limitless in its motion: The multidirectional drive sets a new standard in water design.**

Thanks to its pivoting range of 200 degrees on the x-axis and 140 degrees on the y-axis, the mobility of the Multi Directional Drive hardly knows any limits and allows countless impressive water effects. It is suitable for a variety of nozzles such as precision or fan nozzles.



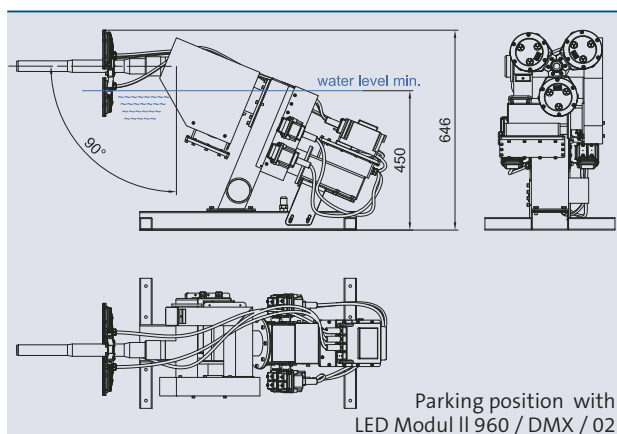
Multi Directional Drive II /DMX/02

### Product characteristics at a glance

- Multidimensional Drive, suitable for different nozzle patterns (Comet Prec 20-20 Silver or fan jet 10-20-6 Silver)
- Pivoting range up to 200° on the x-axis and 140° on the y-axis
- 2"-thread nozzle, 2 ½"-thread water
- Robust stainless steel construction
- Controllable by OASE RDM-DMX controller (WECS II)  
(not included in scope of delivery)
- Energy efficient motor, 24 V/ DC

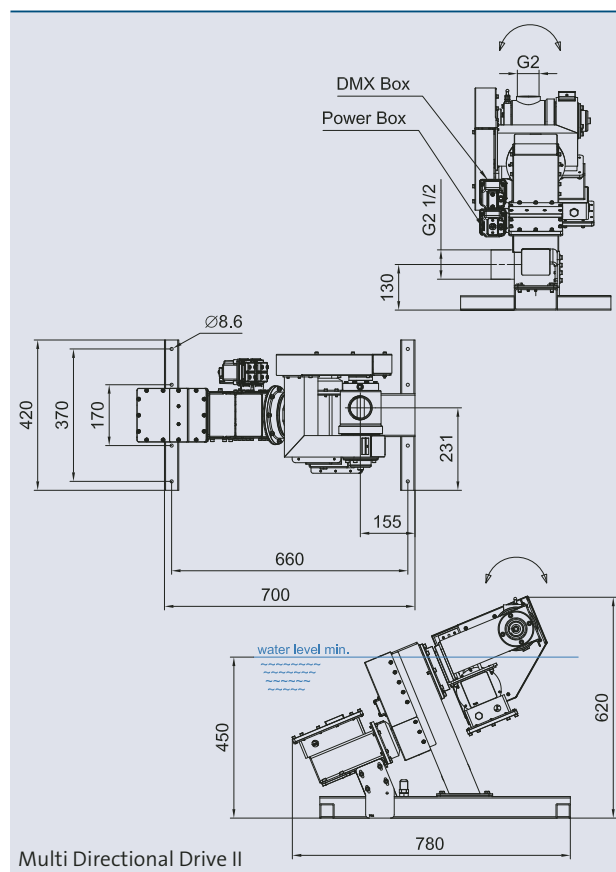


	Comet Prec 20-20 silver		Fan Jet 10-20-6 Silver			MDD	Comet Prec 20-20 S on MDD			Fan Jet 10-20-6 S on MDD		
Dimensions (Ø x H mm)	60 x 460		70 x 341				ca. 700 x 420 x 1060			ca. 700 x 420 x 935		
Fountain height	DWB	DDB	SPB	DWB	DDB	DDB	DWB	DDB	SPB	DWB	DDB	
	l/min	bar	m	l/min	bar	bar	l/min	bar	m	l/min	bar	
1.00 [m]	90	0.12	2.00	134	0.13	0.04	90	0.14	2.00	134	0.27	
1.50 [m]	102	0.17	3.00	165	0.19	0.06	102	0.21	3.00	165	0.40	
2.00 [m]	117	0.22	4.10	195	0.27	0.08	117	0.28	4.10	195	0.55	
4.00 [m]	170	0.46				0.11	170	0.51				
6.00 [m]	227	0.69				0.13	227	0.82				
8.00 [m]	263	0.92				0.15	263	1.07				
10.00 [m]	295	1.16				0.18	295	1.34				
12.00 [m]	323	1.40				0.19	323	1.59				
16.00 [m]	385	1.90				0.25	385	2.15				
20.00 [m]	441	2.40				0.35	441	2.75				
Material	Stainless steel		Stainless steel			Stainless steel 1.4571 (AISI 316Ti)	Stainless steel + Stainless steel 1.4571 (AISI 316Ti)			Stainless steel + Stainless steel 1.4571 (AISI 316Ti)		
Order no.	50523		50524			50702	50523 + 50702			50524 + 50702		



**Accessories** (must be ordered separately)

<b>Comet Prec 20-20 silver</b> (see page 46)	50523
<b>Fan Jet 10-20-6 silver</b> (see page 55)	50524
<b>LED Modul II 960 / DMX / 02</b> (see page 151)	51069
<b>Underwater power supply 250 / 24 V / 01</b> (see pages 170)	50733
<b>Connecting cable DMX/01</b> (see page 162)	<b>Order no.</b>
Connecting cable DMX/1.0 m/01	12368
Connecting cable DMX/3.0 m/01	12369
Connecting cable DMX/5.0 m/01	12371
Connecting cable DMX/10.0 m/01	12372
Connecting cable DMX/20.0 m/01	12373
End Resistant for Bus-System DMX/01	12007
DMX-Box/01	57646
<b>Connecting cable 24V DC/01</b> (see page 160)	<b>Order no.</b>
Connecting cable 24V DC /1.0 m/01	12762
Connecting cable 24V DC /3.0 m/01	12552
Connecting cable 24V DC /7.5 m/01	12553
Connecting cable 24V DC /15.0 m/01	11720
<b>PowerBox 24 V DC / 01</b> (see page 160)	50493
<b>WECS II 512 / DMX/02</b> (see page 174)	56491
<b>WECS II 1024 / DMX/02</b> (see page 174)	56492
<b>WECS II 2048 / DMX/02</b> (see page 180)	56507



Multi Directional Drive II /DMX/02	
Dimensions (L x W x H)	[mm] 780 x 420 x 620
Nominal voltage	[V/DC] 24
Power consumption	[W] 53
Nominal current	[A] 2.2
Max. operation pressure	[bar] 3.5
Protection class	IP 68
Power connection	with box
RDM-DMX connection	with box
Material	Stainless steel 1.4571 (AISI 316Ti)
Weight	[kg] 45
<b>Order no.</b>	<b>50702</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Swivel/DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

\*Seawater product version on request

## SWIVEL/DMX/02

The swivel creates swivelling and impressive water effects.

These water effects are formed by combining this single dimensional drive with a pivoting range of max. 180° on the y-axis and nozzles (Comet Prec 20-20 E, Finger Nozzle 7-15 E or fan jet 10-20-6 E)



Swivel/DMX/02

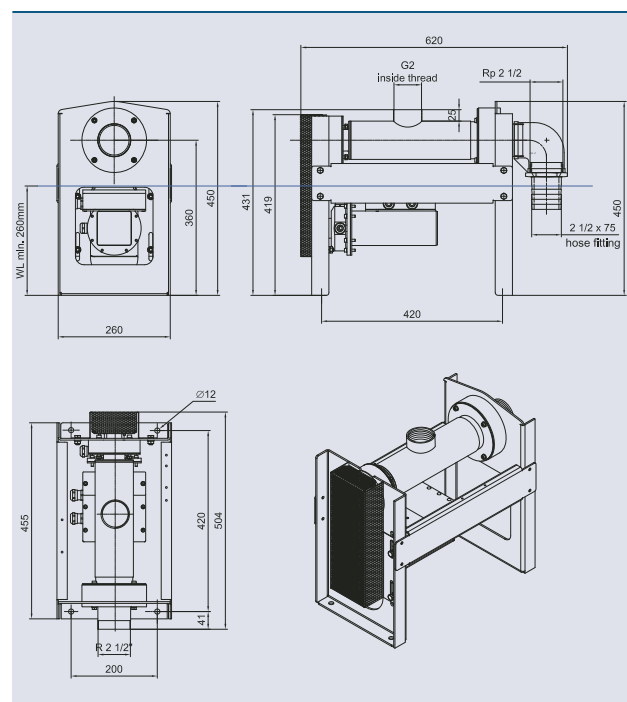
### Product characteristics at a glance

- Single dimensional drive, suitable for fan nozzles as well as comet nozzles (Comet Prec 20-20 E or fan jet 10-20-6 E)
- Pivoting range of max. 180°
- 2"-thread nozzle, 2½"-thread water
- Robust stainless steel construction
- Controllable by OASE DMX devices (not included in scope of delivery)
- Energy efficient motor, 24 V/ DC
- Suitable for fresh water and pool water application.
- Sea water Swivel on request.




**Accessories** (must be ordered separately)

<b>Finger Nozzle 7 - 15 E</b> (see page 60)	<b>51110</b>
<b>Comet Prec 20-20 silver</b> (see page 46)	<b>50523</b>
<b>Fan Jet 10-20-6 silver</b> (see page 55)	<b>50524</b>
<b>LED Modul II 960 / DMX / 02</b> (see pages 151)	<b>51069</b>
<b>Underwater power supply 250 / 24 V / 01</b> (see pages 170)	<b>50733</b>
<b>Connecting cable DMX/01</b> (see page 162)	<b>Order no.</b>
Connecting cable DMX/1.0 m/01	<b>12368</b>
Connecting cable DMX/3.0 m/01	<b>12369</b>
Connecting cable DMX/5.0 m/01	<b>12371</b>
Connecting cable DMX/10.0 m/01	<b>12372</b>
Connecting cable DMX/20.0 m/01	<b>12373</b>
End Resistant for Bus-System DMX/01	<b>12007</b>
DMX-Box/01	<b>57646</b>
<b>Connecting cable 24V DC/01</b> (see pages 160)	<b>Order no.</b>
Connecting cable 24V DC /1.0 m/01	<b>12762</b>
Connecting cable 24V DC /3.0 m/01	<b>12552</b>
Connecting cable 24V DC /7.5 m/01	<b>12553</b>
Connecting cable 24V DC /15.0 m/01	<b>11720</b>
<b>PowerBox 24 V DC / 01</b> (see pages 160)	<b>50493</b>
<b>WECS II 512 / DMX/02</b> (see page 174)	<b>56491</b>
<b>WECS II 1024 / DMX/02</b> (see page 174)	<b>56492</b>
<b>WECS II 2048 / DMX/02</b> (see page 180)	<b>56507</b>


**Swivel/DMX/02**

Dimensions (L x W x H)	[mm]	620x450x200
Nominal voltage	[V/DC]	24
Power consumption	[W]	36
Nominal current	[A]	1.5
Max. operation pressure	[bar]	2.0
Protection class		IP 68
Power connection		with box
RDM/DMX connection		with box
Material		Stainless steel 1.4301 (AISI 304)
Weight	[kg]	appr. 25
<b>Order no.</b>		<b>50342</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Air Nozzle	✓	✓	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

\*Seawater product version on request

## AIR NOZZLE 20E/24 E HORIZONTAL/01

## AIR NOZZLE 15E/20E VERTICAL/01

The compressed air driven AirNozzle is controlled by DMX with the DMX-Underwater Switch 24 V DC/DMX/02.

The use of compressed air leads to an optimized use of energy. With the DMX-capable Underwater Switch 24 V DC / DMX/02 system costs can be further reduced to 50 %. The different designs provide solutions for shallow water applications. There are four standard AirNozzles:

- Air Nozzle 15 E vertical/01 (58904)
- Air Nozzle 20 E vertical/01 (58904)
- Air Nozzle 20 E horizontal/01 (58904)
- Air Nozzle 24 E horizontal/01 (58904)

### Product characteristics at a glance

- Compact, robust stainless steel Air Nozzle
- IP 68 in 24 voltage technology; for underwater use

- Pluggable, easy to install and to connect through underwater OASE technology
- Short refill time – up to 15 shots per minute
- For fountain heights up to 20 m (higher fountain heights on request)
- Sea water AirNozzle on request

**System integration** Generally Air Nozzles are connected to a compressed air piping system where the pipe itself acts as the air reservoir. The pipe is almost continuously replenished by a compressor. Therefore no additional air reservoir is required to be connected to the Air-Nozzle. The volume of the pipe and the standard pressure should be chosen in such way that after a shot with all nozzles the residual pressure doesn't fall below 90% of the default value. In more complex supply systems the target pressure can be varied in order to achieve different jet heights.



Air Nozzle 20E/24 E horizontal/01

\*only China

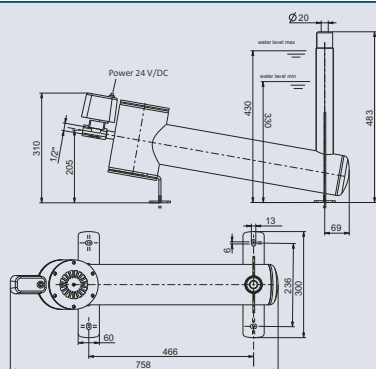


Air Nozzle 15E/20E vertical/01

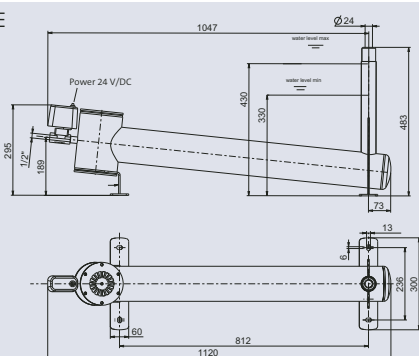
\*only China



Air Nozzle 20E horizontal/01

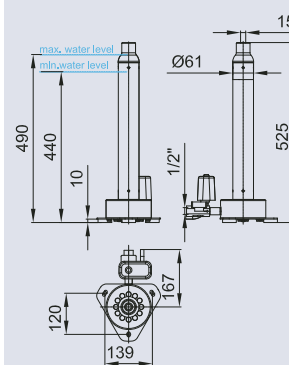


Air Nozzle 24 E horizontal/01

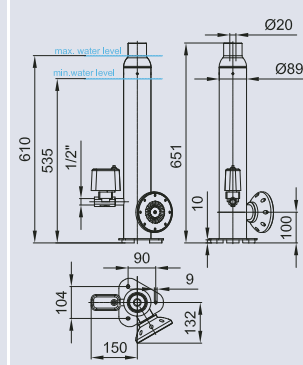


**Water Level & Refill behavior** For a long-term stable operation, it is important to keep the water level constant. This is because the fill level and the replenishment time depends on the water level. In this sense the best surrounding for such water features are waterbodies in which the water level is determined by a dam or an overflow.

Air Nozzle 15 E vertical/01



Air Nozzle 20 E vertical/01



Air pressure [bar]	Height [m]	Shooting time every [s]	Air demand per shot [l]
<b>Air Nozzle 20 E horizontal/01</b>			
0.50	1.50	2.00	1.50
1.00	4.50	3.00	2.50
1.50	8.50	4.20	4.50
2.00	12.00	5.10	5.50
2.50	15.00	6.30	10.50
<b>Air Nozzle 24 E horizontal/01</b>			
1.00	4.60	3.90	3.00
2.00	11.00	6.10	9.00
3.00	15.00	7.60	11.50
4.00	18.00	9.30	20.00
4.50	20.00	9.30	21.50
<b>Air Nozzle 15 E vertical/01</b>			
0.50	2.00	2.00	0.50
0.75	4.00	3.00	1.50
0.90	5.00	4.00	2.00
1.00	6.00	4.00	2.50
<b>Air Nozzle 20 E vertical/01</b>			
0.75	3.00	4.00	2.00
1.00	4.00	4.00	2.00
1.50	10.00	4.00	3.50
2.00	14.00	4.00	7.50

**Accessories** (must be ordered separately)

Underwater Switch 24V / DMX / 02 (see page 168)	56411
Underwater power supply 250 / 24 V / 01 (see page 170)	50733
<b>Connecting cable DMX/01 (see page 162)</b>	
Connecting cable DMX/1.0 m/01	12368
Connecting cable DMX/3.0 m/01	12369
Connecting cable DMX/5.0 m/01	12371
Connecting cable DMX/10.0 m/01	12372
Connecting cable DMX/20.0 m/01	12373
End Resistant for Bus-System DMX/01	12007
DMX-Box/01	57646
<b>Connecting cable 24V DC/01 (see page 160)</b>	
Connecting cable 24V DC /1.0 m/01	12762
Connecting cable 24V DC /3.0 m/01	12552
Connecting cable 24V DC /7.5 m/01	12553
Connecting cable 24V DC /15.0 m/01	11720
<b>PowerBox 24 V DC / 01 (see page 160)</b>	50493
<b>WECS II 512 / DMX/02 (see page 174)</b>	56491
<b>WECS II 1024 / DMX/02 (see page 174)</b>	56492
<b>WECS II 2048 / DMX/02 (see page 180)</b>	56507

Air Nozzle horizontal/01	horizontal 20 E	horizontal 24 E	vertical 15 E	vertical 20 E
Dimensions (L x W x H) [mm]	758 x 300 x 483	1120 x 300 x 483	264 x 139 x 525	203 x 116 x 651
Shooting frequency/water refill time [seconds]	4-10	4-10	2-4	4
Amount of water per shot [l]	7	10	0.75	2.50
Nozzle diameter [mm]	20	24	15	20
Min./Max. water level [mm]	330-430	330-430	440-490	525-610
Max. air pressure [bar]	3	5	1	2
Air inlet dia. [inch]		1/2		
Water jet height up to [m]	15	20	6	14
Voltage(solenoid valve) [V/DC]		24		
Nominal current(solenoid valve) [A]	0.46	0.46	0.46	0.46
Material	Stainless steel 1.4571 (AISI 316 Ti)			
Power cable [m]	7.50			
Weight [kg]	14.50	17.00	5.6	8.1
<b>Order no.</b>	<b>58904</b>	<b>58904</b>	<b>58904</b>	<b>58904</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
FlashWall	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## FLASHWALL

As an attractive and vibrant element this modular interactive water wall is suitable for the use in public areas, such as Shopping malls, office complexes and theme parks. The unique arrangement of the nozzles allows for an extremely dense curtain of water, which guarantees high visibility.

This water curtain creates graphics, designs, characters, etc., which can be represented through the use of a fast reacting valve technology. Thereby the OASE FlashWall allows for almost unlimited opportunities to convey (advertising) messages. In optional combination with an SMS interface it can be also used as an interactive communication platform.

### Product characteristics at a glance

- Modular flash wall system - curved / straight (Ø 3, 4, 5, 6, 7 or 8 [m] are possible)

- Close packed nozzle/ valve arrangement for dense water curtain guaranteeing high resolution
- Ideally suited for rear projection for videos and laser graphics
- Precise valve control via DMX/CAN
- Accurately defined text and graphics displays due to fast reacting valve technology
- Optional: LED RGB Illumination
- Optional: SMS interface for the display of personal text messages

### Technical details

- For fresh-water, max 50 µm particles allowed
- 110-240V 50/60 Hz power supply
- Transformers can be at the flash wall or in separate area control cabinet, depending on environment conditions
- Max. height recommended 10 m (under zero wind condition)
- Nozzle diameter 4.6 mm
- Individually configured water inlet and water outlet

NEW

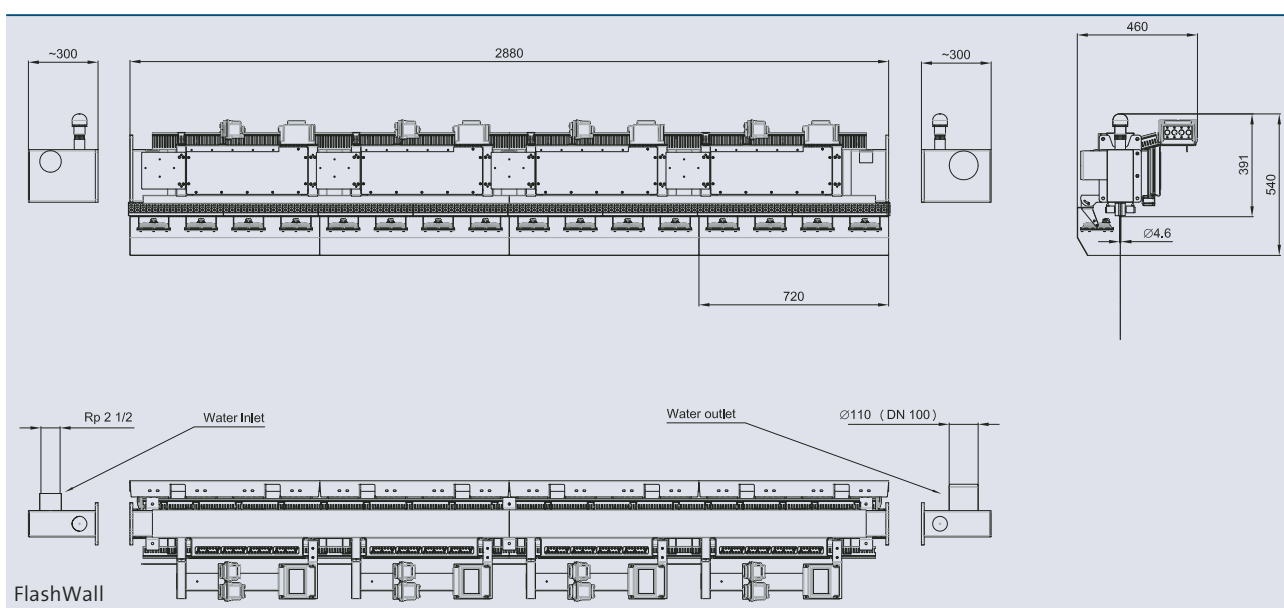


FlashWall



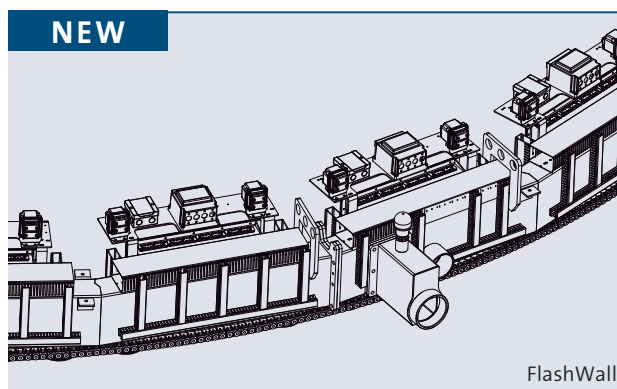
FlashWall





**Accessories** (must be ordered separately)

Connecting cable DMX/01 (see page 162)	Order no.
Connecting cable DMX/1.0 m/01	12368
Connecting cable DMX/3.0 m/01	12369
Connecting cable DMX/5.0 m/01	12371
Connecting cable DMX/10.0 m/01	12372
Connecting cable DMX/20.0 m/01	12373
End Resistant for Bus-System DMX/01	12007
DMX-Box/01	57646
<b>WECS II 512 / DMX/02 (see page 174)</b>	<b>56491</b>
<b>WECS II 1024 / DMX/02 (see page 174)</b>	<b>56492</b>
<b>WECS II 2048 / DMX/02 (see page 180)</b>	<b>56507</b>



Dimension of the module*	A mm	720	1440	2160	2880
Amount of valves		64	128	192	256
Distance between the nozzles [mm]		11,25	11,25	11,25	11,25
Rated voltage [V/DC]		24	24	24	24
Power consumption [W]		450	900	1350	1800
Water consumption [l/min]		32	64	96	128
Material		Stainless steel / POM	Stainless steel / POM	Stainless steel / POM	Stainless steel / POM
Weight dry [kg]		35	70	105	140
Weight filled with water [kg]		42	84	126	168
<b>Order no.</b>		<b>58975</b>	<b>58975</b>	<b>58975</b>	<b>58975</b>

\*Any combination of different module is possible.



VarioJet	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray

\*Seawater product version on request

## VARIOJET

The VarioJet Nozzle creates a dynamic, variable water pattern. The nozzle is driven by two Varionaut pumps.

The nozzle generates spray patterns from a water bell up to a single stream. These different water patterns are formed by controlling both the Varionaut pumps individually.

### Product characteristics at a glance

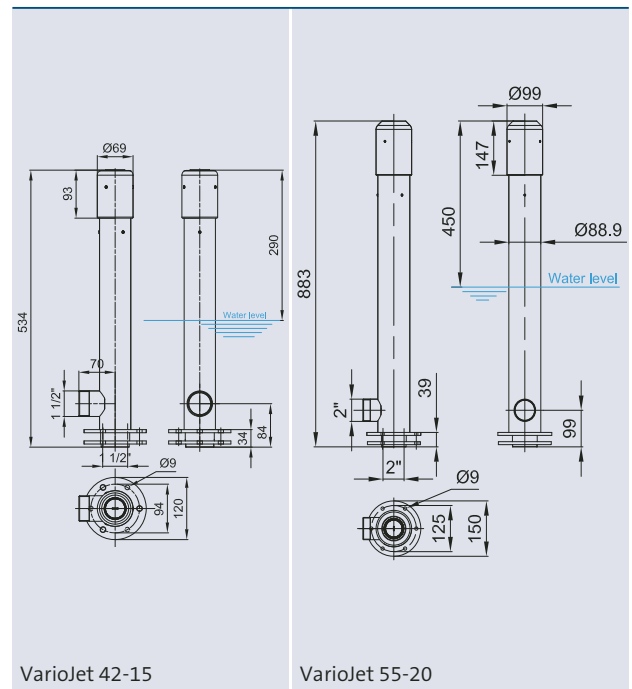
- Dynamic and variable water pattern with two Varionaut pumps
- Compact, robust stainless steel Nozzle
- 2 pressure connections
- Nozzle with adjustable flange
- Sea water VarioJet on request

Sold in the US in cooperation with Technifex



VarioJet 42-15

VarioJet 55-20

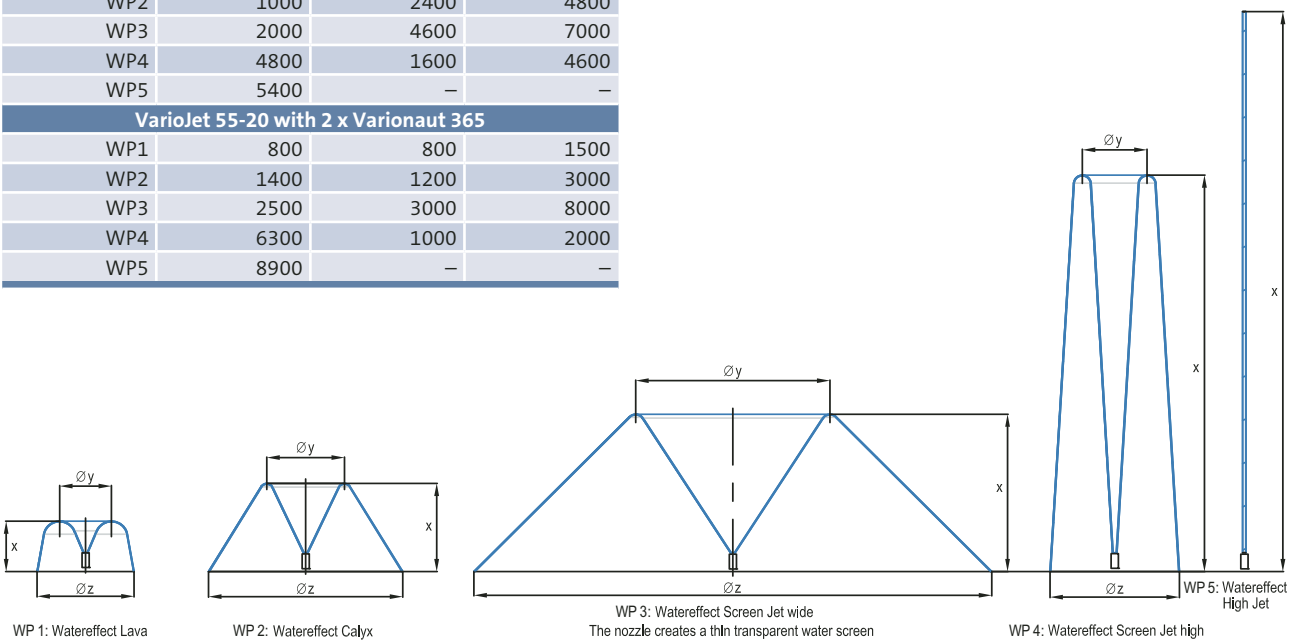


VarioJet 42-15

VarioJet 55-20



	Fountain height (x)	Calyx diameter [mm] (y)	Fountain diameter (z)
<b>VarioJet 42-15 with 2 x Varionaut 150</b>			
WP1	160	600	900
WP2	1000	1000	2400
WP3	1200	2000	4000
WP4	2000	500	1200
WP5	2900	–	–
<b>VarioJet 42-15 with 2 x Varionaut 270</b>			
WP1	400	1200	2200
WP2	1000	2400	4800
WP3	2000	4600	7000
WP4	4800	1600	4600
WP5	5400	–	–
<b>VarioJet 55-20 with 2 x Varionaut 365</b>			
WP1	800	800	1500
WP2	1400	1200	3000
WP3	2500	3000	8000
WP4	6300	1000	2000
WP5	8900	–	–



VarioJet		42-15	55-20
Dimensions (Ø x H)	[mm]	69 x 534	150 x 883
Max. Fountain height (2x Varionaut 150)	[m]	2.90	–
Max. Fountain height (2x Varionaut 270)	[m]	5.40	–
Max. Fountain height (2x Varionaut 365)	[m]	–	8.90
Material		Stainless steel 1.4301 (AISI 304)	
Weight	[kg]	5.10	13.20
<b>Order no.</b>		<b>58906</b>	<b>58906</b>





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Fountain Flame 24V/DMX/02	✓	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fountain Flame/DMX/02/V2	✓	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

\*max. 0.45 mg/l free chlorine

## FOUNTAIN FLAME 24V/DMX/02

## FOUNTAIN FLAME/DMX/02/V2

The Fountain Flame produces spectacular special effects of light, water and fire. The gas flame burns on top of the variable jet. The handy unit is powered by the 24V or 230V Technology.

The Fountain Flame system is developed in cooperation with TBF-PyroTec, who contributed the ignition, burner and gas technology. These are integrated with OASE's DMX-controlled Varionaut pumps, LED Lighting and special nozzle to create fascinating special effects combining water and fire. The freely programmable Fountain Flame, the water along with the flame,

reaches a height of up to 8 m. The fire is carried up by the water. The RGB LED-ProfiLux-lights illuminate the fountain jet individually. The ignition burner and the flame adjustment are also controlled via DMX. Thereby a variety of combined effects can be achieved with water and fire creating endless possibilities. The running flame can also be projected on a water jet parabola. This system is available as a fixed installation or as a mobile device. The Fountain Flame is designed for use in fresh water and pool water\* and has a waterproof 24V DC power connection for illumination and a waterproof DMX data connection. The Fountain Flame is DMX / RDM capable.

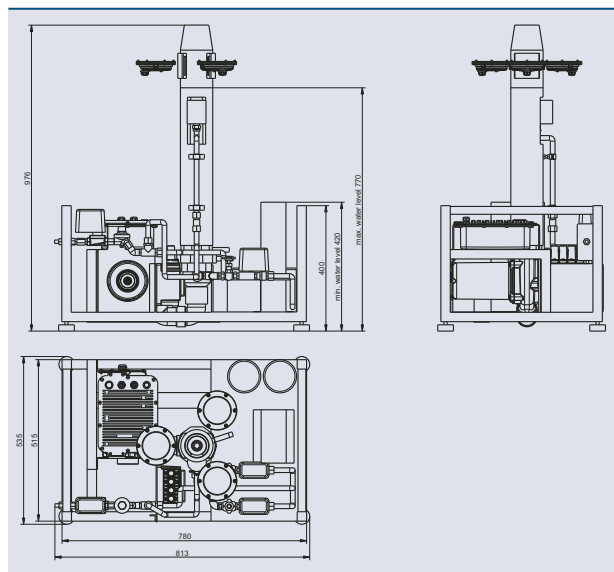
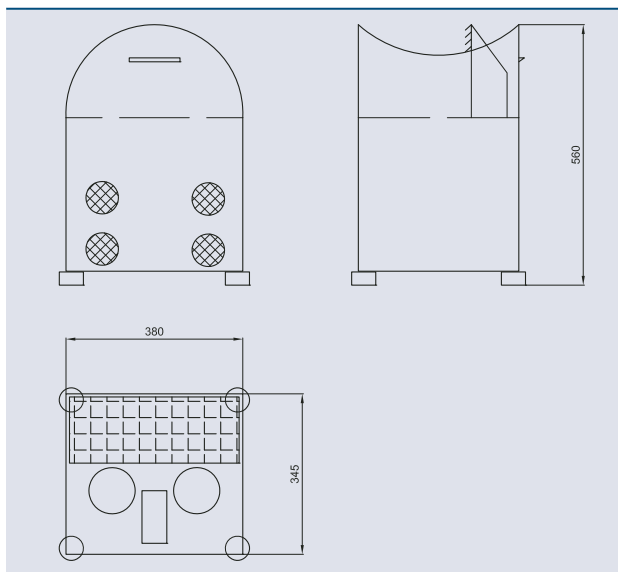
NEW



Fountain Flame/DMX/02/V2

### Product characteristics at a glance

- Continuously DMX-controlled fire – water fountain with a jet height up to 8 m with 230 V Version
- Continuously DMX-controlled fire – water fountain with a jet height up to 2.8 m with 24V Version
- RGB LED spotlights to illuminate the fountain jet with DMX
- DMX-controlled ignition burner and flame adjustment
- Large variety of combined fire and water effects, and even more to discover
- The running flame can also be projected on a parabolic jet of water



	Comet 15-17 on Varionaut 150 24V/DMX/02		Comet Prec 20-20 Silver on Varionaut 365 / DMX / 02	
	DWB l/min	DDB bar	DWB l/min	DDB bar
Fountain height				
0.50 [m]	42	0.06	–	–
0.75 [m]	52	0.09	–	–
1.00 [m]	62	0.11	90	0.12
1.25 [m]	69	0.14	96	0.14
1.50 [m]	76	0.17	102	0.17
1.75 [m]	82	0.19	110	0.19
2.00 [m]	89	0.22	117	0.22
2.50 [m]			132	0.28
3.00 [m]			147	0.34
3.50 [m]			160	0.40
4.00 [m]			170	0.46
5.00 [m]			206	0.57
6.00 [m]			227	0.69
7.00 [m]			245	0.81
Material	Stainless steel			
Weight Comet [kg]	0.86		1.55	
Weight Varionaut [kg]	5		17	
<b>Order no.</b>	<b>50724 + 50665</b>		<b>50523 + 50526</b>	

### Scope of delivery 24 V-Version (58905)

- 1 x 50665 Varionaut 150 24V/DMX/ 02
- 1 x 50723 Comet 15-17 Silver
- 2 x 56267 ProfiLux 110/DMX/02
- 1 x 50720 Underwater LED Driver /DMX/02
- 1 x 50733 Underwater Power Supply 250 24V/ DMX/02
- 1 x Flame System 24V (320 x 200 x 150 [mm])
- 1 x pipe paket of 5 m

Only propane butan gas (2.5 to 4 kg/h) at 3 bar  
Not suitable for natural gas.

### Scope of delivery 230 V-Version (58905)

- 1 x 50526 Varionaut 365 / DMX/ 02
- 1 x 50523 Comet Prec 20-20
- 3 x 50717 ProfiLux 320 /DMX/02
- 1 x 50720 Underwater LED Driver /DMX/02
- 1 x Flame System

Only propane gas (5 to 7.5 kg/h) at 3 bar  
Not suitable for natural gas.

Fountain Flame 24V /DMX/02		
Dimensions (L x W x H) without pump	[mm]	380 x 345 x 560
<b>Order no.</b>		<b>58905</b>

Fountain Flame /DMX/02		
Dimensions (L x W x H) without pump	[mm]	813 x 535 x 976
<b>Order no.</b>		<b>58905</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Fog/Mist System	☑*	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑	☑

\*Tapwater

## FOG/MIST SYSTEM

These new Fog/Mist System produce a new, fascinating water effect. These fine droplets can be illuminated very well in the dark, thus creating a new dynamic water effect.

There are two different types of nozzles -mist nozzles and fog nozzles. Mist nozzles operate at a pressure of about 3 bar, and fog nozzles operate at about 80 bar.

\*Due to possible contamination in fresh water tap water is used for the application of high-pressure fog nozzles. With a high-pressure nozzle the droplets are finer (the higher the pressure, the finer the water droplets).

Fog nozzles enhance lighting effects: a light matrix, for example, appears more voluminous, more majestic and dynamic. Mist nozzles create a spacial effect.

### Product characteristics at a glance

- Fog/Mist System project-oriented with LED lights
- Fog/Mist System is project-oriented with a chamber
- Individual solutions available on request

### An example of chamber with a mist nozzle:

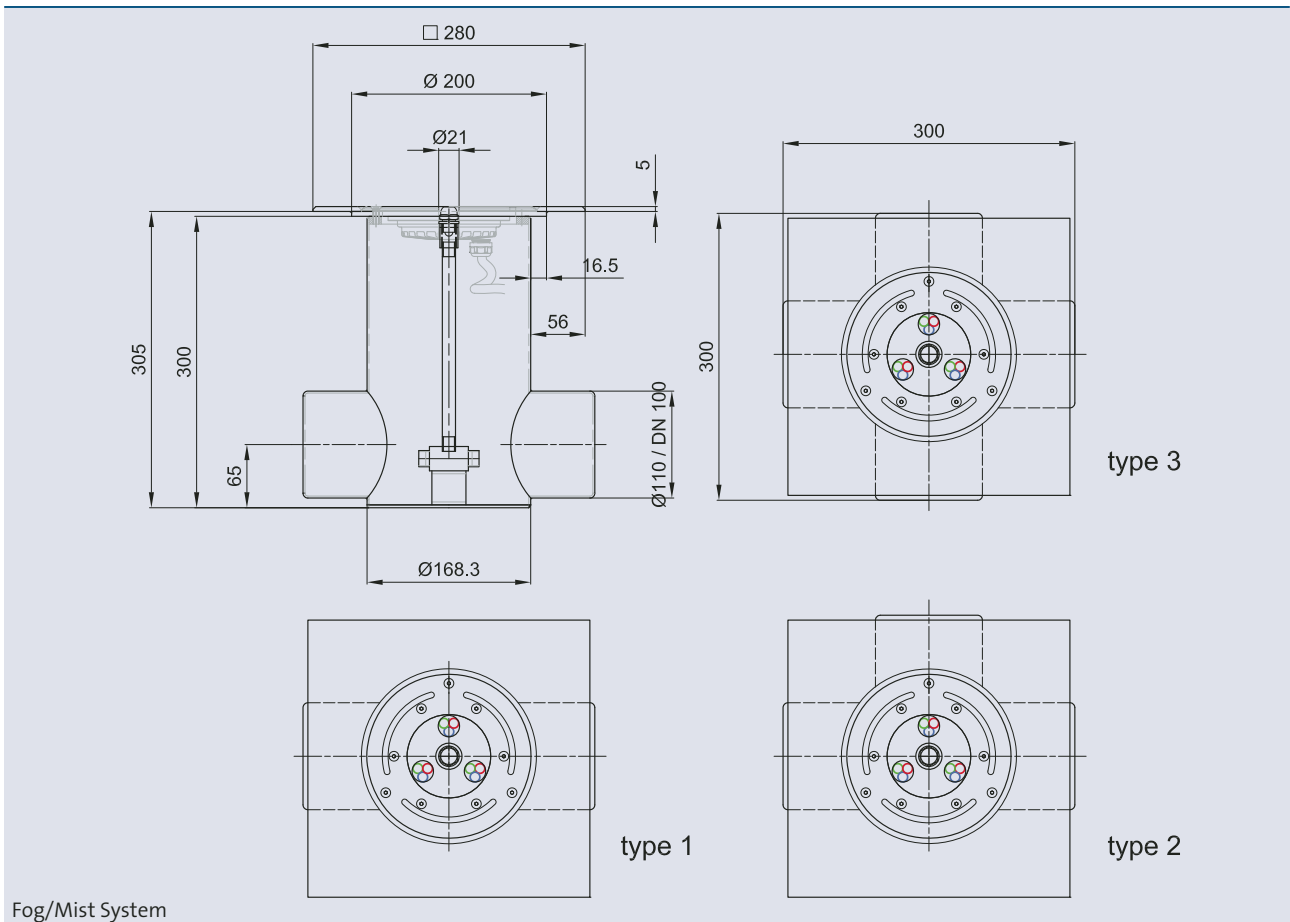
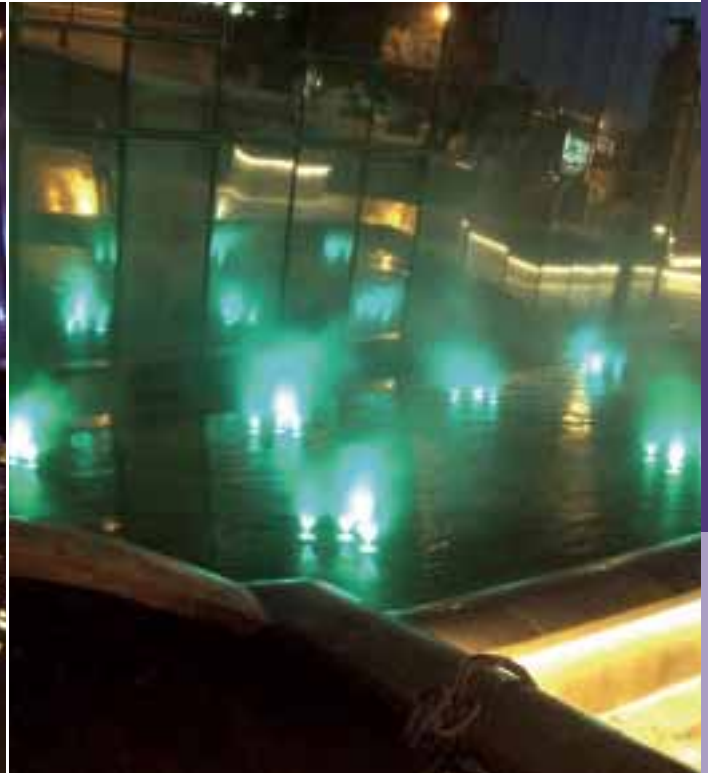
- With DA110/ DN 100 connection (as per request 2, 3 or 4 pcs)
- High-quality, robust stainless steel construction
- Graphics shows special coverplate

NEW



Fog/Mist System





Fog/Mist System

Graphics shows special coverplate

Fog/Mist System		
Dimensions (L x W x H)	[mm]	300 x 300 x 305
Material		Stainless steel 1.4301 (AISI 304)
Weight	[kg]	7.5
Order no.		58909

# CLASSIC NOZZLES

NOZZLES

CLASSIC



**The classic nozzles can be used for modern installations as well as in traditional pool design. Combined with a controllable pump, these effects also become interactive.**

Spray fountain nozzles and fountain attachments in any shape and size are suitable for a variety of design possibilities: Whether stately fountains, playful water flowers, baroque pirouettes or powerful water arches – discover our variety of classic nozzles.

Our standard offering with many designs even satisfies complicated requirements. On request, we also manufacture the appropriate individual solution after consultation with you.

The energy-efficient nozzle Cluster 38-15 is new in the product range, learn more on page 47.



#### 40 Classic Nozzles

- 42 Comet-Silver
- 44 Comet T
- 46 Comet Prec
- 47 Cluster Eco
- 48 Hollow Jet nozzles
- 50 High Jet / Geyser Jet
- 51 Lava
- 52 Water sphere / hemisphere
- 54 Gushing nozzle
- 55 Fan Jet
- 56 Water Screen Nozzle
- 58 Grand Vulkan / Trumpet Jet
- 59 Vulcan
- 60 Finger Nozzle
- 61 Crown Nozzle
- 62 Rotating Nozzle
- 64 Schaumsprudler
- 68 Cascade
- 72 Geyser
- 76 Mylar Lace

#### MARDAN PALACE HOTEL

##### LOCATION: ANTALYA/TURKEY

Reminding of Arabian Nights, the site of Mardan Palace Hotel in Antalya, Turkey is one of the most exclusive Hotels in the Mediterranean. The installation combines water with laser and LED light and impresses by underlining the unique terrace architecture.



*Comet-Silver – Cluster Eco – Hollow jet nozzle*





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Comet-Silver													

## COMET-SILVER

These Single Jet nozzles generate a clear, full jet that is stable in wind. New is the silver optic of the Comet nozzles with durable chromed and nickel plated brass.

The new Comet 10-12 Silver and Comet 10-14 Silver is ideal for the combination with ProfiPlane LED 320 / DMX / 02 and ProfiRing LED 320 / DMX / 02 (see page 128-131).

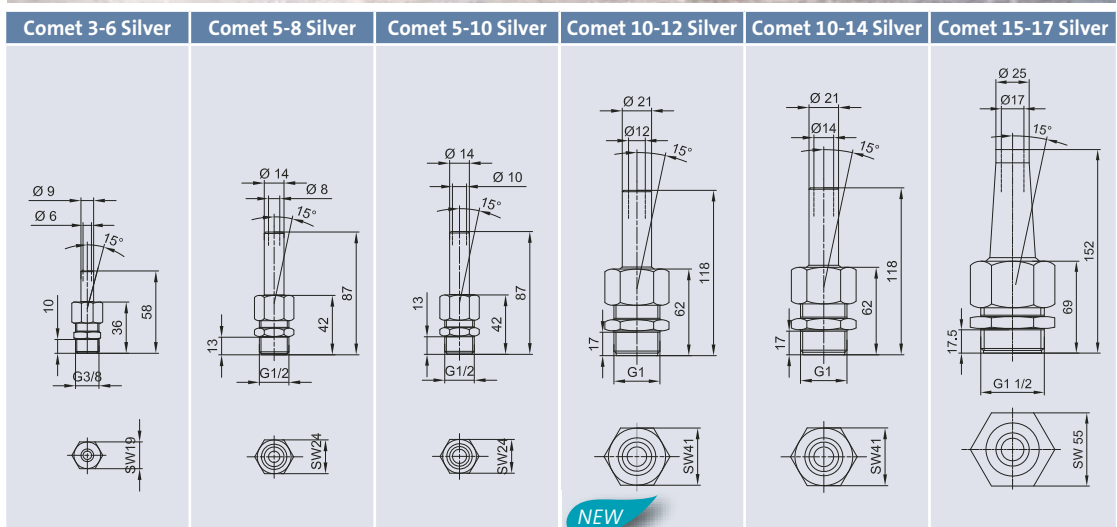
### Product characteristics at a glance

- Small to medium-sized single-jet nozzles
- Fountain heights 0.50 m to 12.00 m
- Clear wind-stable full jet
- 15° vertically pivoting ball joint
- Water-level independent
- With flow director
- Durable chromed and nickel plated brass
- Extensive design versatility: as a single fountain or in groups



Comet-Silver

Accessories (must be ordered separately)	Order no.
Sleeve 10 silver (see page 244)	51018
Sleeve 15 silver (see page 244)	51019
Reducing sleeve 15 x 10 (see page 245)	51032
Reducing sleeve 20 x 15 (see page 245)	51030



NEW

		Comet 3-6 Silver		Comet 5-8 Silver		Comet 5-10 Silver		Comet 10-12 Silver		Comet 10-14 Silver		Comet 15-17 Silver	
Dimensions (Ø x H mm)		22 x 58		28 x 87		28 x 87		47.3 x 118		47 x 118		63 x 152	
Fountain height	[m]	DWB	DDB	DWB	DDB	DWB	DDB	DWB	DDB	DWB	DDB	DWB	DDB
		l/min	bar	l/min	bar	l/min	bar	l/min	bar	l/min	bar	l/min	bar
0.50	[m]	4.8	0.06	9.5	0.07	15	0.08	21	0.06	30	0.06	42	0.06
0.75	[m]	6.2	0.09	11.5	0.10	19	0.11	25	0.08	37	0.09	52	0.09
1.00	[m]	7.2	0.12	12.6	0.13	21	0.14	31	0.11	44	0.12	62	0.11
1.25	[m]	8.7	0.15	14.9	0.16	25	0.18	35	0.14	50	0.15	69	0.14
1.50	[m]	10.0	0.18	17.0	0.18	28	0.20	39	0.17	55	0.18	76	0.17
1.75	[m]	11.1	0.21	18.8	0.21	31	0.25	43	0.21	60	0.21	82	0.19
2.00	[m]	12.1	0.25	20.5	0.24	33	0.28	46	0.23	65	0.24	89	0.22
2.50	[m]	14.0	0.32	23.4	0.32	37	0.36	53	0.29	73	0.30	100	0.28
3.00	[m]	15.6	0.40	26.1	0.39	41	0.44	58	0.35	81	0.37	110	0.34
3.50	[m]			28.5	0.47	45	0.52	63	0.42	87	0.43	119	0.40
4.00	[m]			30.7	0.54	49	0.60	68	0.48	94	0.50	127	0.46
5.00	[m]					55	0.76	76	0.61	105	0.62	143	0.58
6.00	[m]					60	0.92	84	0.74	116	0.75	157	0.70
7.00	[m]							91	0.87	125	0.88	170	0.82
8.00	[m]							98	1.00	134	1.01	182	0.94
9.00	[m]									143	1.14	193	1.06
10.00	[m]									151	1.28	204	1.18
11.00	[m]											214	1.30
12.00	[m]											222	1.40
Material	Double coated brass												
Weight [kg]	0.06	0.13	0.13	0.45	0.45	0.86							
Order no.	50721		50762		50722		45454		50723		50724		



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Comet													

## COMET 3-5 T TO 15-20 T

These single-jet nozzles generate a clear, full jet that is stable in wind.

These nozzles are usually arranged in a group. All sizes have a ball joint with which the jet can be pivoted up to 15° from the vertical plane.



Comet 15-20 T

This feature makes it possible to generate interesting water patterns.

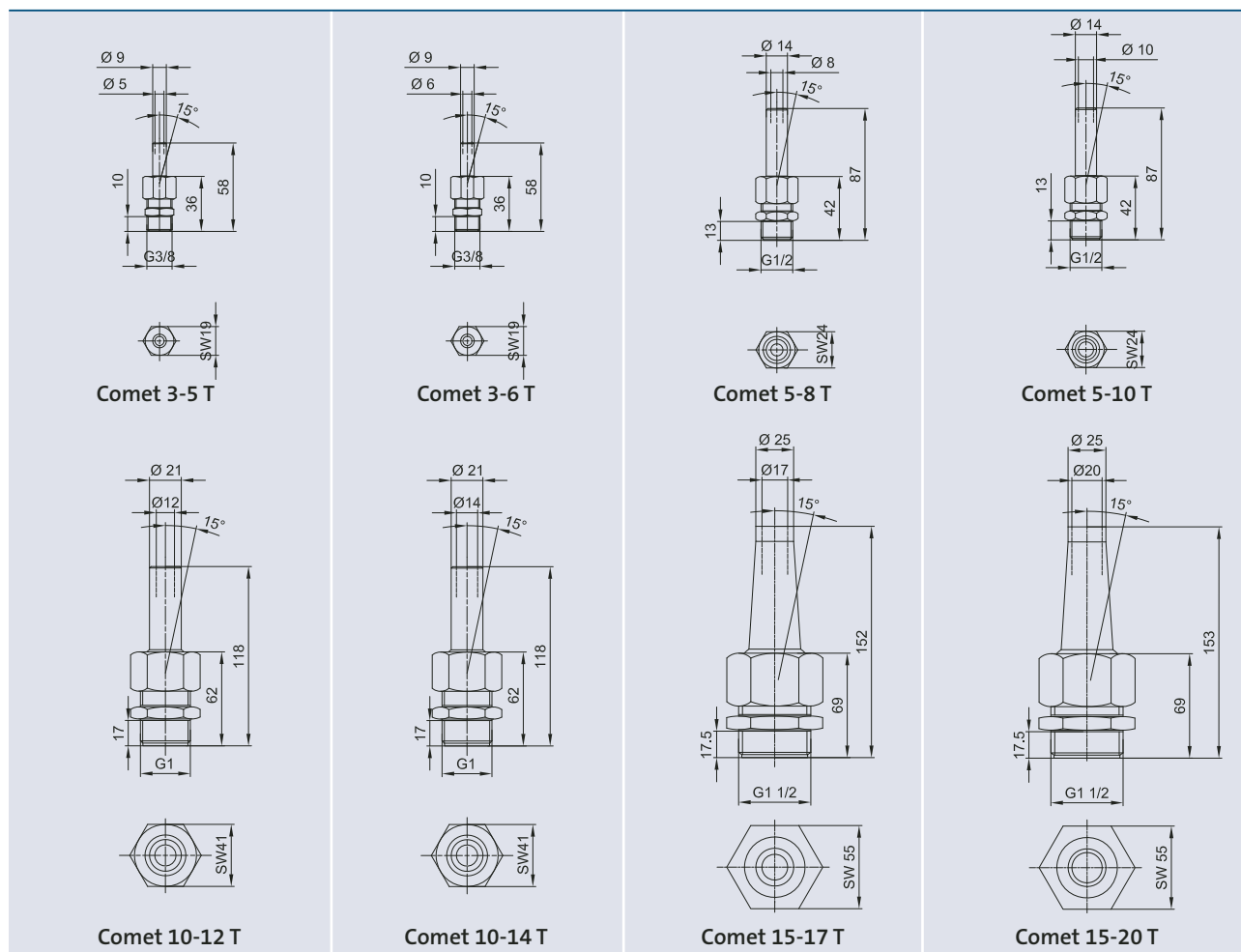
The Comet 10-12 T and Comet 10-14 T is ideal for the combination with ProfiPlane LED 320 / DMX / 02 and ProfiRing LED 320 / DMX / 02 (see page 128-131).

### Product characteristics at a glance

- Small to medium-sized clear-jet nozzles with flow director
- Fountain heights 0.5 m to 14.0 m
- Clear wind-stable full jet
- Up to 15° vertically pivoting ball joint
- Water-level independent
- Extensive design versatility: as a single fountain or in groups

Accessories (must be ordered separately)	Order no.
Sleeve 10 silver (see page 244)	51018
Sleeve 15 silver (see page 244)	51019
Reducing sleeve 15 x 10 (see page 245)	51032
Reducing sleeve 20 x 15 (see page 245)	51030





	Comet 3-5 T		Comet 3-6 T		Comet 5-8 T		Comet 5-10 T		Comet 10-12 T		Comet 10-14 T		Comet 15-17 T		Comet 15-20 T	
Dimensions (Ø x H mm)	19 x 58		21.9 x 58		27.6 x 87		27.6 x 87		47.3 x 118		47.3 x 118		63.3 x 152		63.3 x 152	
Fountain height	DWB	DDB	DWB	DDB	DWB	DDB	DWB	DDB	DWB	DDB	DWB	DDB	DWB	DDB	DWB	DDB
	l/min	bar	l/min	bar	l/min	bar	l/min	bar	l/min	bar	l/min	bar	l/min	bar	l/min	bar
0.50 [m]	3.8	0.07	4.8	0.06	9.5	0.07	15	0.08	21	0.06	30	0.06	42	0.06	59	0.06
0.75 [m]	5.3	0.09	6.2	0.09	11.5	0.10	19	0.11	25	0.08	37	0.09	52	0.09	74	0.08
1.00 [m]	6.3	0.13	7.2	0.12	12.6	0.13	21	0.14	31	0.11	44	0.12	62	0.11	88	0.13
1.25 [m]	7.2	0.15	8.7	0.15	14.9	0.16	25	0.18	35	0.14	50	0.15	69	0.14	99	0.16
1.50 [m]	8.0	0.18	10.0	0.18	17.0	0.18	28	0.20	39	0.17	55	0.18	76	0.17	110	0.17
1.75 [m]	8.7	0.22	11.1	0.21	18.8	0.21	31	0.25	43	0.21	60	0.21	82	0.19	119	0.21
2.00 [m]	9.3	0.25	12.1	0.25	20.5	0.24	33	0.28	46	0.23	65	0.24	89	0.22	128	0.22
2.50 [m]			14.0	0.32	23.4	0.32	37	0.36	53	0.29	73	0.30	100	0.28	144	0.28
3.00 [m]			15.6	0.40	26.1	0.39	41	0.44	58	0.35	81	0.37	110	0.34	158	0.34
3.50 [m]					28.5	0.47	45	0.52	63	0.42	87	0.43	119	0.40	171	0.39
4.00 [m]					30.7	0.54	49	0.60	68	0.48	94	0.50	127	0.46	184	0.45
5.00 [m]							55	0.76	76	0.61	105	0.62	143	0.58	206	0.57
6.00 [m]							60	0.92	84	0.74	116	0.75	157	0.70	227	0.69
7.00 [m]									91	0.87	125	0.88	170	0.82	245	0.81
8.00 [m]									98	1.00	134	1.01	182	0.94	263	0.92
9.00 [m]											143	1.14	193	1.06	279	1.04
10.00 [m]											151	1.28	204	1.18	294	1.16
11.00 [m]													214	1.30	309	1.28
12.00 [m]													222	1.40	323	1.40
13.00 [m]															337	1.52
14.00 [m]															350	1.64
Material	Brass															
Weight [kg]	0.06		0.06		0.13		0.13		0.45		0.45		0.86		0.86	
Order no. NPT	-		89012		89013		89014		89015		89016		89017		89018	
Order no.	50959		50960		50964		50965		50968		50969		50970		50971	



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Comet Prec 20-20 Silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## COMET PREC 20-20 SILVER

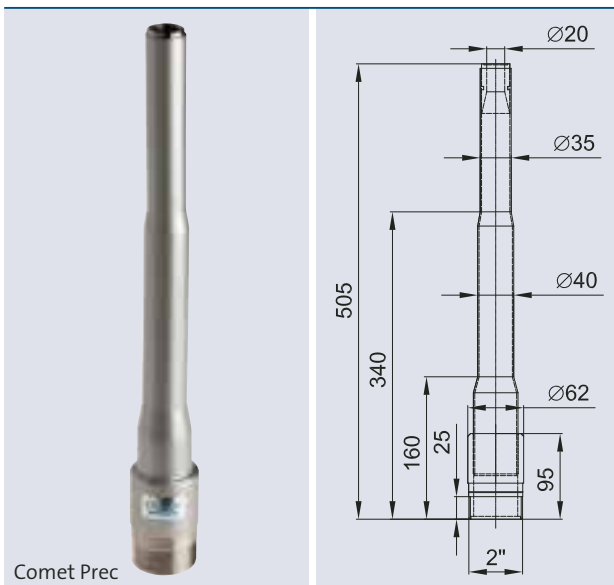
The Comet Prec 20-20 Silver generates a precise clear, full jet that is stable in the wind.

This nozzle is ideal for the combination with Multi Directional Drive II /DMX/02 (see page 26) and Swivel /DMX/02 (see page 28).

### Product characteristics at a glance

- Medium-sized single-jet nozzles
- Fountain heights 1,00m to 20,00m
- Clear wind-stable full jet
- Ideal for the combination with Multi Directional Drive II /DMX/02 and Swivel

- Can be implemented as a single fountain or in groups
- Water-level independent
- With flow director

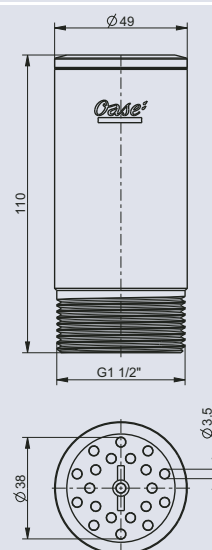


		Comet Prec 20-20 Silver	
Dimensions (Ø x H mm)		62 x 505	
Fountain height		DWB	DDB
		l/min	bar
1.00	[m]	90	0.12
1.25	[m]	96	0.14
1.50	[m]	102	0.17
1.75	[m]	110	0.19
2.00	[m]	117	0.22
2.50	[m]	132	0.28
3.00	[m]	147	0.34
3.50	[m]	160	0.40
4.00	[m]	170	0.46
5.00	[m]	206	0.57
6.00	[m]	227	0.69
7.00	[m]	245	0.81
8.00	[m]	263	0.92
9.00	[m]	279	1.04
10.00	[m]	295	1.16
11.00	[m]	309	1.28
12.00	[m]	323	1.40
14.00	[m]	350	1.64
16.00	[m]	385	1.90
18.00	[m]	420	2.15
20.00	[m]	441	2.40
Material	Stainless steel 1.4571/1.4301 (AISI 316 Ti/304)		
Weight	[kg]	1.55	
Order no.	50523		

## INNOVATION – MADE BY OASE

Cluster Eco 15-38

**NEW**



Cluster Eco 15-38



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Cluster Eco 15-38													

\*Seawater product version on request

# CLUSTER ECO 15-38

The Cluster Eco generates one full jet with a diameter of 38 mm.

The stainless steel nozzle is designed for use in fresh water and pool water. Since the nozzle is water level independent and has a 3.5 mm opening, it is suitable for installation in dry decks. (The particle strainer diameter of the filter must be considered.) In combination with Varionaut 270, the Cluster Eco 15-38 reaches a fountain height of approx. 6 m.

### Product characteristics at a glance

- Water saving nozzle, less water consumption than conventional nozzles
- 21 single jets create one full jet with a jet diameter of 38 mm of up to 10 m
- Integrated water stabilizer with 6 deflecting blades (OASE deflecting blade technology)

- Water level independent
- Sea water Comet Eco Nozzle on request

Cluster Eco 15-38			
Dimensions (ØxH mm)		49 x 110	
Fountain height		DWB	DDB
		[l/min]	[bar]
1.00	[m]	56	0.16
2.00	[m]	79	0.28
3.00	[m]	95	0.40
4.00	[m]	111	0.55
5.00	[m]	128	0.68
6.00	[m]	140	0.81
7.00	[m]	152	0.93
8.00	[m]	164	1.05
9.00	[m]	176	1.18
10.00	[m]	187	1.32
Material		Stainless steel 1.4301 (AISI 304)	
Weight [kg]		0.6	
Order no.		45480	





	Fresh Water	Pool Water	Sea Water
50966 Hollow Jet nozzle 68			
50973 Hollow Jet nozzle 100			
55350 Hollow Jet nozzle 130			
50963 Hollow Jet nozzle 130			

## HOLLOW JET NOZZLES

Imposing fountains up to 80 metres in height are shot high into the sky by OASE Hollow Jet nozzles.

The special nozzles for impressive fountain heights work independently of the water level, and with flow straightener. Thanks to these features and the precise manufacturing of the ring slot of the nozzle, a stable fountain jet is ensured at all times.

In comparison to full-jet nozzles, the sophisticated design of the Hollow Jet nozzle allows for a significant reduction of water demand (also referred to as volume flow).

### Product characteristics at a glance

- For fountain heights of up to 80 m
- Wind-stable high jet
- Water-level independent
- Significantly reduced water demand compared to full-jet nozzles
- With flow director

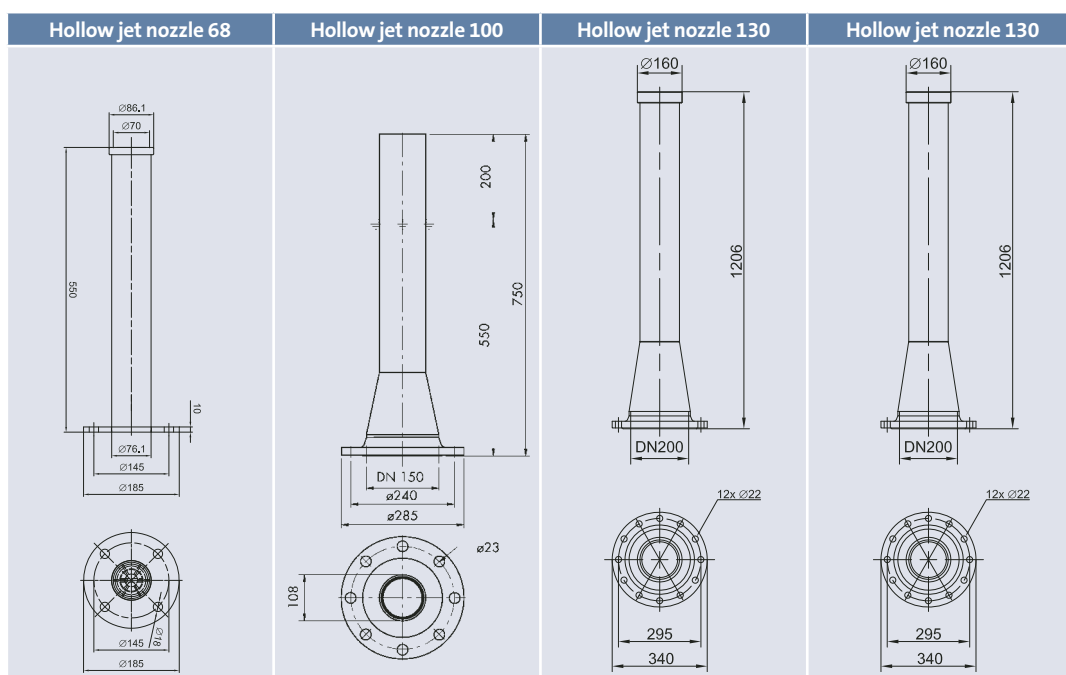


50966  
Hollow jet nozzle 68

50973  
Hollow jet nozzle 100

55350 / 50963  
Hollow jet nozzle 130

The Hollow jet nozzle 130 (50963) consists of a higher quality of stainless steel so that this nozzle is suited for salt water.



	Hollow jet nozzle 68		Hollow jet nozzle 100		Hollow jet nozzle 130		Hollow jet nozzle 130	
Dimensions (Ø x H) [mm]	80 x 425		285 x 750		320 x 1200		320 x 1200	
Ø Hollow Jet [mm]	70		100		130		130	
Water film thickness [mm]	3.5		4.0		10		10	
Fountain height	DWB	DDB	DWB	DDB	DWB	DDB	DWB	DDB
	l/min	bar	l/min	bar	l/min	bar	l/min	bar
5 [m]	449	0.61						
6 [m]	493	0.72						
7 [m]	533	0.87						
8 [m]	570	1.00						
9 [m]	605	1.12						
10 [m]	639	1.26						
12 [m]	701	1.53						
14 [m]	759	1.80						
16 [m]	813	2.07						
18 [m]	864	2.35						
20 [m]	912	2.64	1390	2.18				
22 [m]	959	2.93	1475	2.45				
24 [m]	1003	3.22	1561	2.71				
25 [m]			1600	2.85				
30 [m]			1820	3.60				
35 [m]			1985	4.25				
40 [m]			2235	5.80	6828	5.4	6828	5.4
45 [m]			2600	7.20	7290	6.1	7290	6.1
50 [m]			2660	7.70	7735	6.9	7735	6.9
55 [m]					8165	7.7	8165	7.7
60 [m]					8583	8.5	8583	8.5
65 [m]					8990	9.3	8990	9.3
70 [m]					9388	10.2	9388	10.2
75 [m]					9778	11.0	9778	11.0
80 [m]					10160	11.9	10160	11.9
Material	Stainless steel		Stainless steel 1.4571 (AISI 316Ti)		Stainless steel 1.4301 + 1.4571 (AISI 304/316Ti)		V 4 A	
Weight [kg]	5.0		33.0		76.0		76.0	
Order no.	50966		50973		55350		50963	



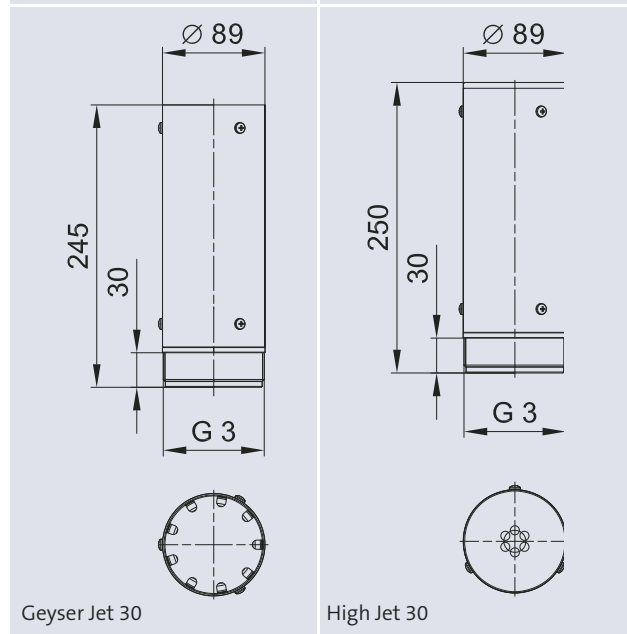
Geyser Jet 30

High Jet 30



Geyser Jet 30

High Jet 30



Geyser Jet 30

High Jet 30

	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
High Jet 30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Geyser Jet 30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## HIGH JET / GEYSER JET

These nozzles generate one water jet that is stable in wind.

The High Jet and Geyser Jet are water-level independent with a lightweight design and usually used on the floating fountains.

### Product characteristics at a glance

- Water pattern as one water jet
- Water-level independent
- Modern stainless steel look

		Geyser Jet 30		High Jet 30	
Dimensions (ø x H mm)		89 x 245		89 x 250	
Fountain height		DWB	DDB	DWB	DDB
		l/min	bar	l/min	bar
5.0	[m]	347	0.81		
6.0	[m]	381	0.98		
7.0	[m]	411	1.14		
8.0	[m]	440	1.31	226	1.15
9.0	[m]	466	1.48	240	1.29
10.0	[m]	492	1.65	253	1.44
11.0	[m]	515	1.82	266	1.59
12.0	[m]	539	1.99	278	1.74
13.0	[m]			289	1.89
14.0	[m]			299	2.04
15.0	[m]			310	2.19
16.0	[m]			320	2.35
Material – casing tube		Stainless steel		Stainless steel	
Material – nozzle insert		POM		POM	
Weight [kg]		1.4		1.4	
Order no.		50377		50375	





Lava	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray

## LAVA 25-5 E TO 60-10 E

Water bells are the fountain effect producing the least noise. The relaxing sound of splashing water is particularly effective in water gardens, reception halls, or outdoor pools that are protected from wind.

The Lava bell forms a closed water veil that can be attractively staged with underwater illumination.

### Product characteristics at a glance

- Transparent water pattern
- Adjustable bell diameter
- Water-level independent
- Low-noise operation
- Modern stainless steel look



Accessories (must be ordered separately)		Order no.		Lava 25-5 E	Lava 30-10 E	Lava 45-10 E	Lava 60-10 E
Sleeve 10 silver (see page 244)		<b>51018</b>	Dimensions (Ø x H mm)	58 x 290	80 x 338	80 x 488	80 x 636
Sleeve 15 silver (see page 244)		<b>51019</b>	Fountain diameter	DWB	DDB	DWB	DDB
Reducing sleeve 15 x 10 (see page 245)		<b>51032</b>		l/min	bar	l/min	bar
Reducing sleeve 20 x 15 (see page 245)		<b>51030</b>	200 [mm]	17	0.09		
Adapter G 10 / NPT 10 (see page 244)		<b>51026</b>	300 [mm]	21	0.11	35	0.11
			400 [mm]	25	0.14	43	0.13
			500 [mm]	29	0.17	51	0.16
			600 [mm]	33	0.21	59	0.20
			700 [mm]			67	0.25
			900 [mm]			75	0.32
			1100 [mm]				83
			1300 [mm]				0.40
Material			Stainless steel 1.4301 (AISI 304)				
Weight	[kg]		0.6	1.3	1.6	1.8	
Order no.			<b>50884</b>	<b>50889</b>	<b>50890</b>	<b>50891</b>	



Water sphere

	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Water sphere	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Water hemisphere	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## WATER SPHERES 900/37 TO 6000/450 E

## WATER HEMISPHERES H 900/25 TO H 6000/248 E



Water hemisphere

The artistic water pattern that is generated by the sphere effect nozzles requires a lot of space in order to unfold its enchanting effect. It lends any location a very special attractive force, even from a distance.

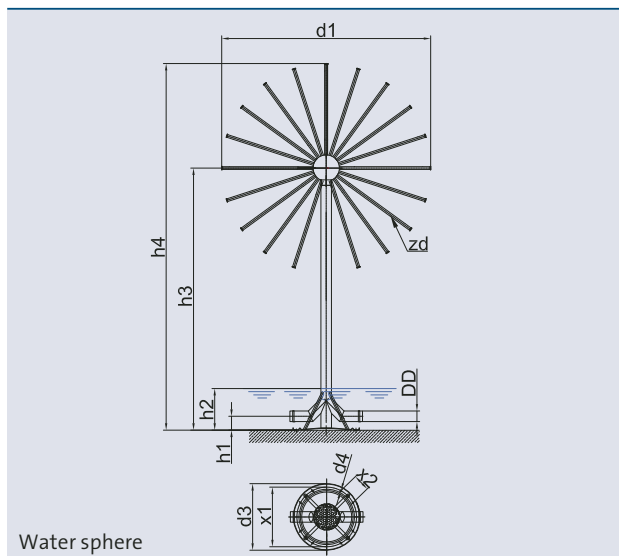
### Product characteristics at a glance

- Sculptural, amazing water pattern
- Decorative stainless steel sculpture
- Extensively wind-stable
- Water-level independent

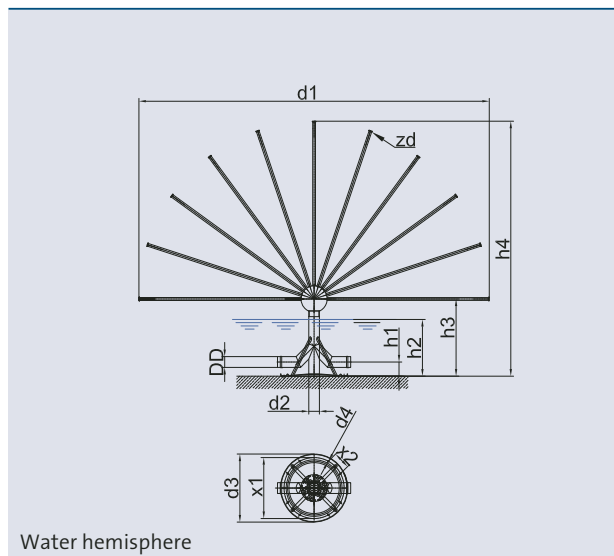
The fountain attachments are primarily made of stainless steel which makes them attractive sculptures even if they are not spraying water.

However, their special flair unfolds once the fine water veil escaping from the uniformly arranged nozzles converges to form a gentle sphere.

Depending on size the spheres consist of a different number of nozzles. Operation of the spheres and hemispheres is even possible in strong wind in spite of the relatively fine water veil.



Water sphere



Water hemisphere

Water hemisphere	H 900/25 E	H 1200/49 E	H 1500/73 E	H 2500/73 E	H 3500/210 E	H 6000/248 E
Dimensions (ØxH) [mm]	900 x 950	1200 x 1100	1500 x 1250	2500 x 1850	3500 x 2350	6000 x 3650
zd [pieces]	25	49	73	73	210	248
DWB [l/min]	250	490	730	730	2310	3720
DDB [bar]	0,9	0,9	1,0	1,1	1,3	1,5
MBD [mm]	1500	2000	2500	3500	5000	9000
DD [mm]	1 x DN 65	1 x DN 65	1 x DN 65	1 x DN 65	2 x DN 80	3 x DN 100
d1 [mm]	900	1200	1500	2500	3500	6000
d2 [mm]	76	76	76	76	160	220
d3 [mm]	475	475	475	475	1000	1000
d4 [mm]	12	12	12	12	22	22
h1 [mm]	100	100	100	100	100	125
h2 [mm]	300	300	300	400	500	500
h3 [mm]	500	500	500	600	600	650
h4 [mm]	950	1100	1250	1850	2350	3650
x1 [mm]	430	430	430	430	900	900
x2 [mm]	123	123	123	123	200	200
Material	Tombac / stainless steel 1.4301 (AISI 304)					
Weight [kg]	25	42	65	100	650	1800
Order no.	50897	50898	50899	51762	51763	51764

Water sphere	900/37 E	1200/79 E	1500/127 E	2500/127 E	3500/380 E	6000/450 E
Dimensions (ØxH) [mm]	900 x 1800	1200 x 2200	1500 x 2600	2500 x 3600	3500 x 5850	6000 x 9600
zd [pieces]	37	79	127	127	380	450
DWB [l/min]	370	790	1270	1270	4180	6750
DDB [bar]	1,0	1,0	1,1	1,2	1,6	2,0
MBD [mm]	2000	2500	3000	4500	6000	10000
DD [mm]	1 x DN 65	1 x DN 65	2 x DN 65	2 x DN 65	4 x DN 65	6 x DN 100
d1 [mm]	900	1200	1500	2500	3500	6000
d2 [mm]	76	76	76	76	160	220
d3 [mm]	475	475	475	475	1000	1500
d4 [mm]	12	12	12	12	22	26
h1 [mm]	100	100	100	100	100	125
h2 [mm]	300	300	300	400	500	500
h3 [mm]	1350	1600	1850	2350	4100	6600
h4 [mm]	1800	2200	2600	3600	5850	9600
x1 [mm]	430	430	430	430	900	1400
x2 [mm]	123	123	123	123	200	250
Material	Tombac / stainless steel 1.4301 (AISI 304)					
Weight [kg]	32	56	100	160	1100	3100
Order no.	50894	50895	50896	51759	51760	51761





Gushing nozzle

	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Gushing nozzle	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

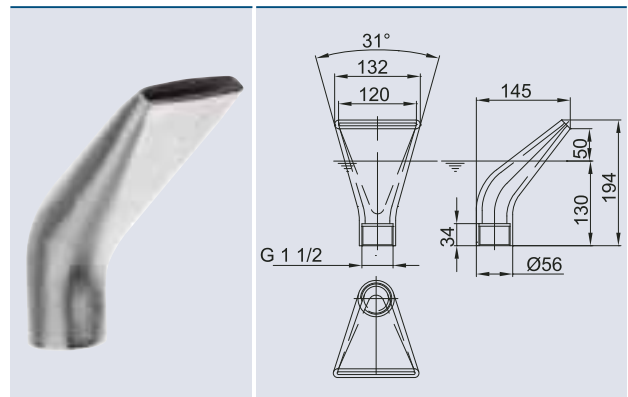
## GUSHING NOZZLE 115-15 SILVER

Whether as single nozzle or as group arranged around a central nozzle – the gushing nozzle generates a full water pattern of impressive presence.

The gushing nozzle spouts a fan-shaped water surge that is mostly closed, with a thickness of 6 mm and a radiating angle of approximately 30°.

### Product characteristics at a glance

- Striking water pattern
- Extensively wind-stable
- Water-level independent
- Durable chromed and nickel plated brass



### Gushing nozzle 115-15 Silver

Dimensions (L x W x H) [mm]	132 x 145 x 194			
Parabola width PW	PH	SPB	DWB	DDB
	[m]	[m]	[L/min.]	[bar]
0.50 [m]	0.10	0.25	94	0.04
0.75 [m]	0.15	0.33	112	0.06
1.00 [m]	0.20	0.42	131	0.08
1.25 [m]	0.26	0.50	150	0.10
1.50 [m]	0.33	0.58	168	0.12
1.75 [m]	0.40	0.67	187	0.14
2.00 [m]	0.48	0.75	205	0.15
2.50 [m]	0.62	0.92	243	0.19
3.00 [m]	0.77	1.08	280	0.23
3.50 [m]	0.92	1.25	317	0.27
4.00 [m]	1.06	1.42	354	0.31
4.50 [m]	1.21	1.58	392	0.34
Material	Double coated brass			
Weight [kg]	2.5			
Order no.	50767			

Accessories (must be ordered separately)	Order no.
Swivel connection 10 silver (see page 244)	51015
Swivel connection 15 silver (see page 244)	51016
Sleeve 10 silver (see page 244)	51018
Sleeve 15 silver (see page 244)	51019
Swivel ball joint 10 (see page 245)	51165
Adapter G 10 / NPT 10 (see page 244)	51026
Adapter G 15 / NPT 15 (see page 244)	51027
Reducing sleeve 15 x 10 (see page 245)	51032
Reducing sleeve 20 x 15 (see page 245)	51030
Flow Valve 10 (see page 245)	51033



Fan Jet



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Fan Jet													

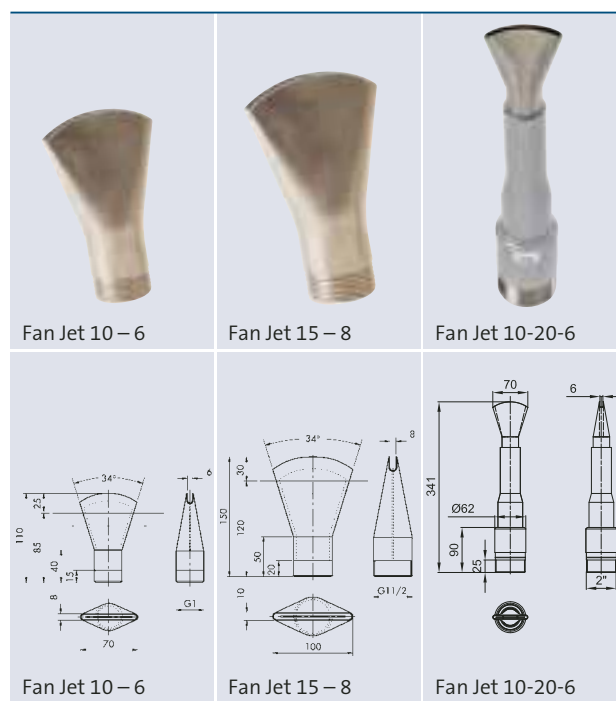
## FAN JET 10-8, 15-8, 10-20-6

The water veil generated by these nozzles not only has a bizarre beauty, it is also extremely practical: It is particularly well suited to conceal exposed technology.

Depending on the installation the fan nozzles generate either a vertically ascending water veil, or a diagonally spouting water veil of 6 or 8 mm in thickness. Thanks to its large surface area the attractive water pattern can conceal a foundation base, or exposed pipe and pump equipment from the eyes of observers. The nozzles work independently of the water level and require a throttle valve to regulate the water pattern.

### Product characteristics at a glance

- 6 mm or 8 mm thick, fan-shaped water gushing effect
- Water-level independent
- Modern stainless steel look
- Suitable for Multi Directional Drive II / DMX / 02 (50524)



Accessories (must be ordered separately)	Order no.
Swivel connection 10 silver (s. p. 244)	<b>51015</b>
Swivel connection 15 silver (s. p. 244)	<b>51016</b>
Sleeve 10 silver (see page 244)	<b>51018</b>
Sleeve 15 silver (see page 244)	<b>51019</b>
Swivel ball joint 10 (see page 245)	<b>51165</b>
Adapter G 10 / NPT 10 (s. p. 244)	<b>51026</b>
Adapter G 15 / NPT 15 (s. p. 244)	<b>51027</b>
Reducing sleeve 15 x 10 (s. p. 245)	<b>51032</b>
Reducing sleeve 20 x 15 (s. p. 245)	<b>51030</b>
Flow Valve 10 (see page 245)	<b>51033</b>

Fan Jet	Fan Jet 10 – 6			Fan Jet 15 – 8			Fan Jet 10-20-6 Silver			
Dimensions (L x W x H) [mm]	110 x 70 x 34			150 x 100 x 49			70 x 341			
Fountain height	SPB	DWB	DDB	SPB	DWB	DDB	SPB	DWB	DDB	
	[m]	[l/min]	[bar]	[m]	[l/min]	[bar]	[m]	[l/min]	[bar]	
0.25	[m]	0.60	70	0.04						
0.50	[m]	1.00	94	0.06	1.40	143	0.06			
0.75	[m]	1.50	116	0.11	1.80	174	0.09			
1.00	[m]	2.00	134	0.13	2.80	200	0.11	2.00	134	0.13
1.25	[m]	2.80	150	0.16	3.40	223	0.14			
1.50	[m]	3.00	165	0.19	4.00	244	0.17	3.00	165	0.19
1.75	[m]	3.80	179	0.23	5.00	264	0.20			
2.00	[m]				5.50	282	0.25	4.10	195	0.27
Material	Stainless steel 1.4571(AISI 316 Ti)						Stainless steel 1.4571/L4301 (AISI 316 Ti/304)			
Weight [kg]	0.25			0.49			1.2			
Order no.	<b>53056</b>			<b>53047</b>			<b>50524</b>			



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Water Screen Nozzle	✓	✓	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

\*Seawater product version on request

## WATER SCREEN NOZZLE

The Water Screen Nozzle generates a projection screen made of water to display. It can be used a variety of media including Video and Lasers for special events.

The screen is a complete semi-circle with 180° in different heights as a function of flow rate and pressure delivered by the pump system.

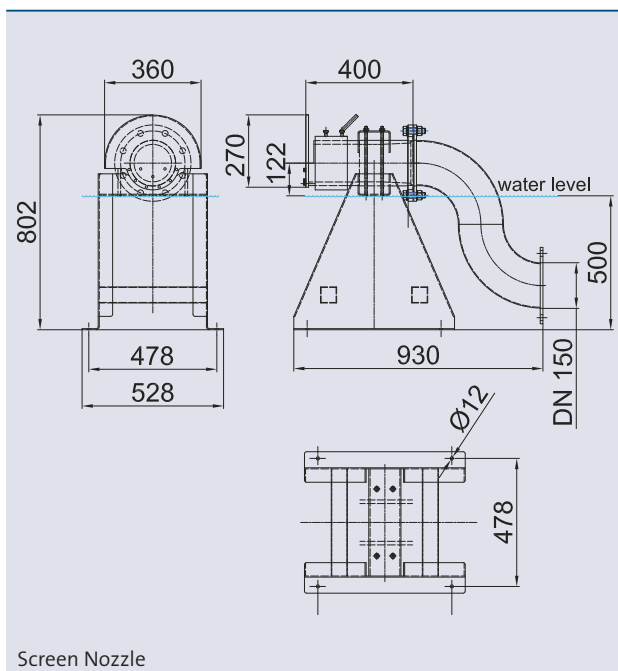
### Product characteristics at a glance

- Optimized nozzles for a 180° water screen
- Ideal for rear projection of videos and or lasers
- An extra flow regulation pipe is not necessary
- The gap of the nozzle defining the water film thickness can install individually



Screen Nozzle

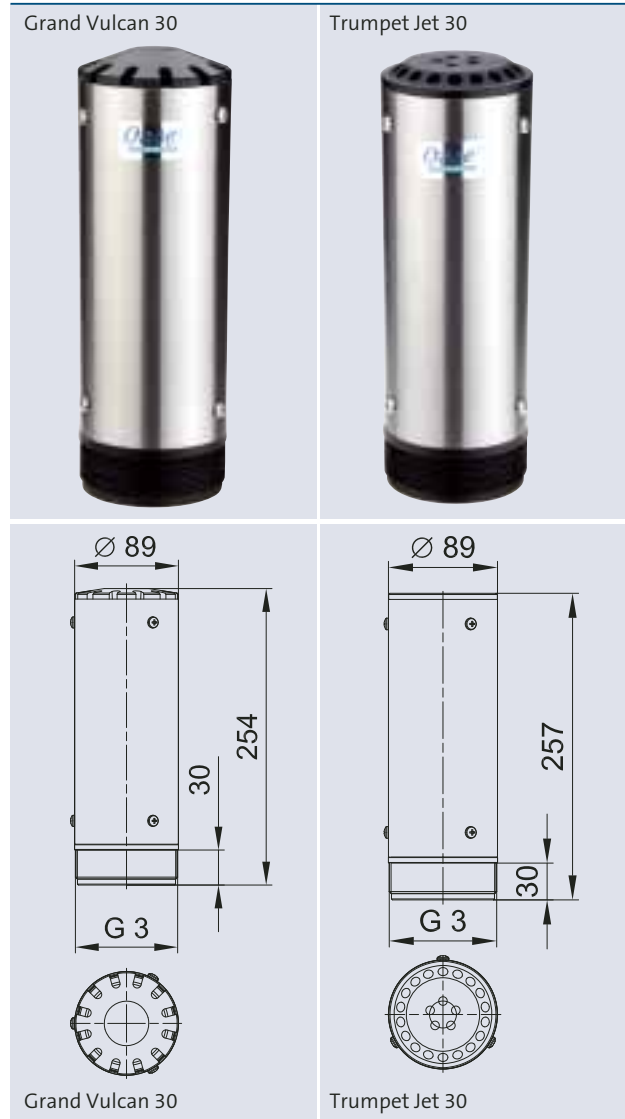




The nozzle creates a filmy water screen. This qualifies for projection of Laser, Video, Slide and Gobo (Graphical optical blackout) type of illumination. Based on the law of physics of light, the position of the nozzle should always be between the viewer and projector.

Pump on request. Small Screen Nozzle 15 x 5 version on request.

		Screen nozzle 30 x 10	Screen nozzle 45 x 15
Water Screen Dimension	[m]	30 x 10	45 x 15
Dimensions (L x W x H)	[mm]	930 x 528 x 802	930 x 528 x 802
DWB	[l/min]	2500	4000
DDB	[bar]	7	12
Material		Stainless steel	
Weight with bracket	[ap.kg]	95	95
<b>Order no.</b>		<b>58970</b>	<b>58970</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Grand Vulcan 30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Trumpet Jet 30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## GRAND VULCAN 30 / TRUMPET JET 30

The Grand Vulcan and Trumpet Jet are multi jet nozzles. The single jets are clear and relatively wind stable.

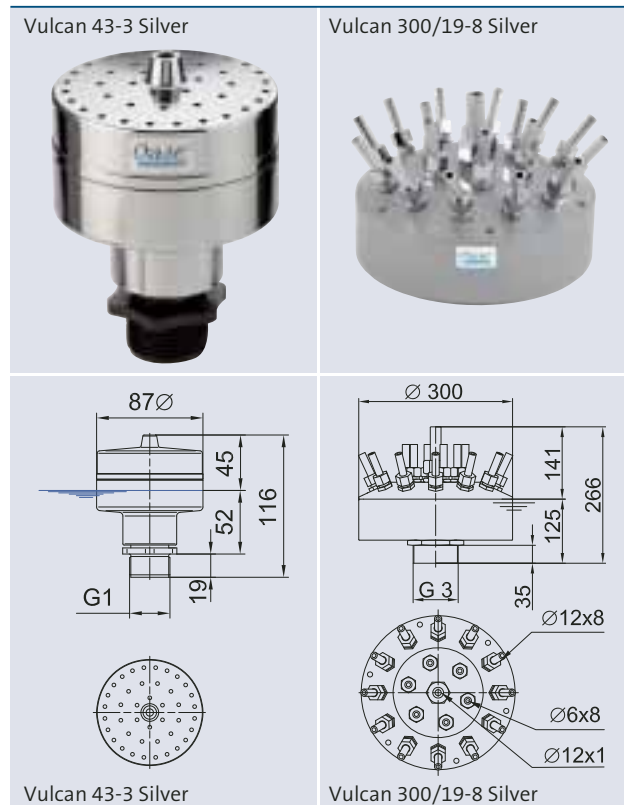
The single jets of the Grand Vulcan 30 are arranged in a circle. They create a calyx.

The water patten of the Trumpet Jet 30 looks like a calyx with a strong middle water jet.

### Product characteristics at a glance

- Multi jet nozzle
- Water-level independent
- Modern stainless steel look

		Grand Vulcan 30		Trumpet Jet 30	
Dimensions (Ø x H mm)		89 x 254		89 x 257	
Fountain height		DWB	DDB	DWB	DDB
		l/min	bar	l/min	bar
3.00	[m]	450	0.45		
3.50	[m]	487	0.53		
4.00	[m]	520	0.61		
4.50	[m]	552	0.68		
5.00	[m]	582	0.76	363	1.00
6.00	[m]	638	0.92	397	1.20
7.00	[m]	689	1.07	429	1.40
8.00	[m]	737	1.23	459	1.68
9.00	[m]			487	1.85
10.00	[m]			513	2.05
Material – casing tube		Stainless steel		Stainless steel	
Material – nozzle insert		POM		POM	
Weight	[kg]	1.6		1.4	
Order no.		50376		50378	



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Vulcan 43-3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Vulcan 300/19-8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## VULCAN 43-3 SILVER, 300/19-8 SILVER

Whether small spray fountain or large water features, Vulcan nozzles generate a bundle of jets from 0.5 to 15 metres in height that fall in multiple stages. In this configuration the individual jets remain clear and relatively stable in wind.

### Product characteristics at a glance

- Attractive multi-stage water pattern
- Precise full jets that are stable in wind
- Fountain height is continuously adjustable
- With Komet nozzles jet angles can be adjusted as well individually (Vulcan 300/19-8 Silver)
- Water-level independent
- Easy to clean

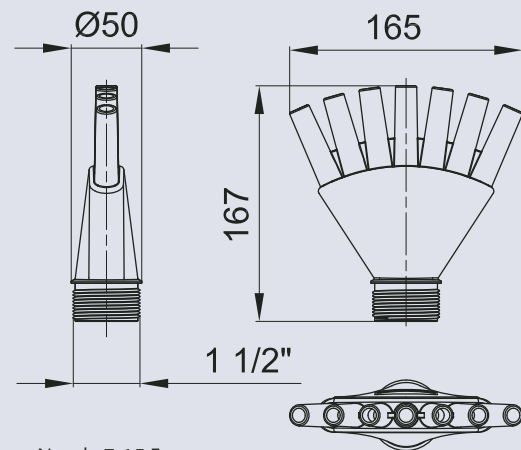
Accessories (must be ordered separately)	Order no.
Sleeve 10 silver (see page 244)	51018
Sleeve 15 silver (see page 244)	51019
Hexagon nippel 10 silver (see page 244)	51022
Hexagon nippel 30 silver (see page 244)	51025
Swivel connection 10 silver (see page 244)	51015
Adapter G 10 / NPT 10 (see page 244)	51026
Adapter G 30 / NPT 30 (see page 244)	51029

	Vulcan 43-3 Silver			Vulcan 300/19-8 Silver		
	87 x 116			300 x 256		
Dimensions (Ø x H mm)						
Fountain height	DSD	DWB	DDB	DSD	DWB	DDB
	m	l/min	bar	m	l/min	bar
0.50 [m]	0.40	42	0.10			
0.75 [m]	0.50	50	0.15			
1.00 [m]	0.65	60	0.20			
1.50 [m]	0.80	76	0.30			
2.00 [m]	1.10	90	0.40			
2.50 [m]	1.30	102	0.50			
3.00 [m]	1.50	112	0.60	variab.	339	0.38
3.50 [m]	1.70	121	0.76	variab.	368	0.44
4.00 [m]	2.00	130	0.88	variab.	394	0,50
5.00 [m]				variab.	442	0.64
6.00 [m]				variab.	485	0.77
7.00 [m]				variab.	525	0.90
8.00 [m]				variab.	562	1.03
9.00 [m]				variab.	597	1.16
10.00 [m]				variab.	630	1.29
11.00 [m]				variab.	662	1.42
12.00 [m]				variab.	692	1.56
13.00 [m]				variab.	720	1.69
14.00 [m]				variab.	749	1.82
15.00 [m]				variab.	776	1.96
Material	Tombac			Stainless steel Double Coated Brass		
Weight [kg]	1.5			18.5		
Order no.	50766			50977		





Finger Nozzle 7-15 E



Finger Nozzle 7-15 E

	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Finger Nozzle 7-15 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## FINGER NOZZLE 7-15 E

The Finger Nozzle 7-15 E generates seven clear single stream jets.

This stainless steel multi-jet nozzle is suitable for fresh water, pool water and sea water application. The water-level-independent and to a large extent wind stable water jets achieve a max. fountain height of 4 mtrs. Breathtaking and dynamic water patterns can be generated by combining the Finger Nozzle 7-15 E with the Multi Directional Drive II 3D/DMX/02 (51225).

### Product characteristics at a glance

- 7 jet-fountain nozzle
- 10 mm jet diameter
- Wind-stable full jet
- Water level-independent

Accessories (must be ordered separately)	Order no.
Swivel connection 15 silver (see page 244)	51016
Sleeve 15 silver (see page 244)	51019
Adapter G 15 / NPT 15 (see page 244)	51027
Reducing sleeve 15 x 10 (see page 245)	51032
Reducing sleeve 20 x 15 (see page 245)	51030

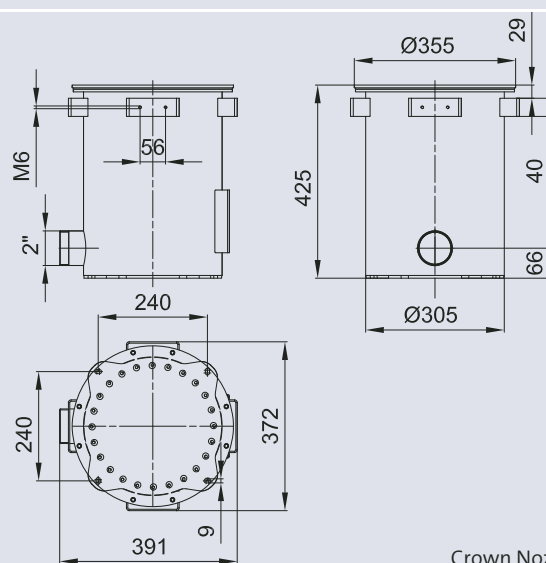
Finger Nozzle 7-15 E				
Dimensions (L x W x H mm)	167 x 166 x 50			
Fountain height	DSD	DWB	DDB	
	[m]	[l/min]	[bar]	
1.00	[m]	2.70	150	0.10
2.00	[m]	4.70	200	0.21
3.00	[m]	5.20	250	0.35
4.00	[m]	7.40	300	0.48

DSD = Nozzle spray diameter DWB = Nozzle water demand  
DDB = Nozzle pressure demand

Finger Nozzle 7-15 E		
Dimensions (L x H)	[mm]	167 x 166 x 50
outlet orifice	[mm]	7 x 10
inlet diameter	[inch]	1½
Water jet height up to	[m]	4
Material		Stainless steel 1.4404 (AISI 316L)
Weight	[kg]	1.6
Order no.		51110



Crown Nozzle



Crown Nozzle

	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Crown Nozzle	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

\*Seawater product version on request

## CROWN NOZZLE

The Crown Nozzle is a multi-jet nozzle. The 24 fixed, drilled in inclined direction nozzle outlets generate a majestic water pattern and thereby achieve a fountain height of up to 5 mtrs.

The Crown Nozzle gives out 24 clear and precise single jets each with a diameter of 6 mm. This stainless steel nozzle is suitable for fresh water and pool water application. The Crown Nozzle, in combination with the Varionaut pumps, creates spectacular and dynamic water patterns. More stunning and dynamic water images can be created by combining the crown nozzle and the Varionaut pump with additional VarioJet nozzles 42-15/55-20 (58906).

### Product characteristics at a glance

- 24 x 6 mm precise full jets
- Water-level independent
- Stainless steel
- Sea water CrownNozzle on request

Crown Nozzle				
Dimensions (ØxH mm)		355 x 425		
Fountain height		DSD	DWB	DDB
		[m]	[l/min]	[bar]
1.00	[m]	0.85	116	0.11
2.00	[m]	1.55	162	0.23
3.00	[m]	2.40	202	0.35
4.00	[m]	3.20	237	0.49
5.00	[m]	3.90	270	0.64
Material		Stainless steel 1.4301 (AISI 304)		
Weight [kg]		approx. 16		
Order no.		58907		



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Rotating Nozzle	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## ROTATING NOZZLE 5-15E AND 5-30E

Gracefully dancing fountains optimally enliven any water landscape and reach heights of up to 10 metres.

Gentle rotating water patterns are generated by the recoil of the diagonally set nozzle pipes. With this rotating nozzle, 5 Comet nozzles that can be adjusted in all directions, rotate in a circle and creates a wide variety of wind-stable water pattern.

The ball bearing rotation mechanism ensures continuous trouble-free operation.

### Product characteristics at a glance

- Rotating screw-shaped water pattern
- Precise full-jets
- Water-level independent

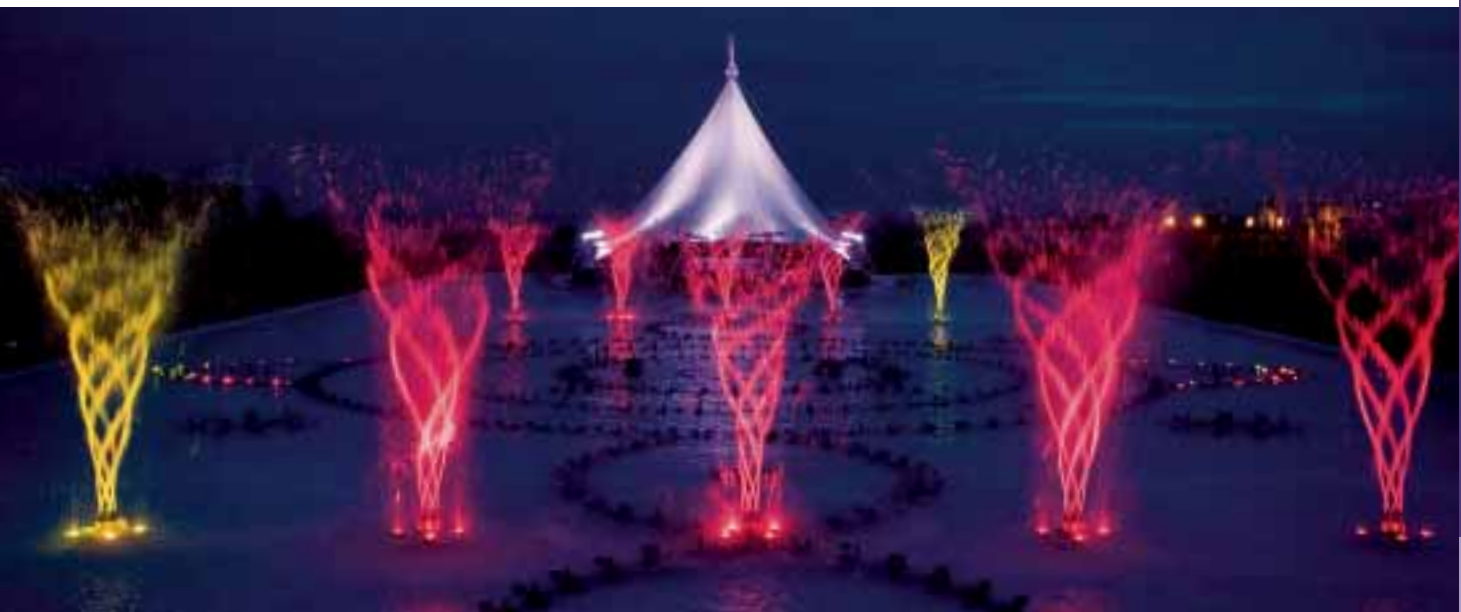


5-15 E

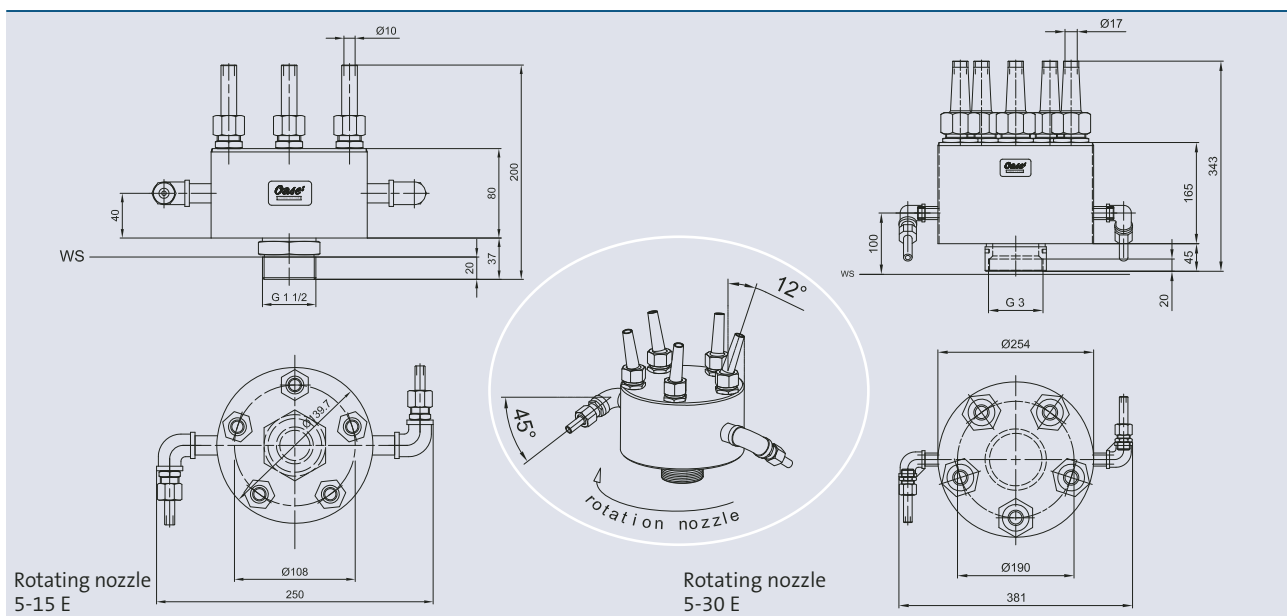


5-30 E





Accessories (must be ordered separately)	Order no.
Hexagon nipple 30 silver (see page 244)	51025
Adapter G 15 / NPT 15 (see page 244)	51027
Adapter G 30 / NPT 30 (see page 244)	51029



Rotating Nozzle 5-15 E				
Dimensions (L x W x H) [mm]		110 x 70 x 34		
Max. Fountain height	SPB [m]	DWB [l/min]	DDB [bar]	
1.00 [m]	2.0	141	0.25	
1.25 [m]	2.4	158	0.31	
1.50 [m]	3.1	173	0.38	
1.75 [m]	3.5	187	0.44	
2.00 [m]	4.0	199	0.50	
2.50 [m]	4.4	223	0.63	
3.00 [m]	5.0	244	0.76	
3.50 [m]	5.6	264	0.89	
4.00 [m]	6.0	282	1.01	
Material	Stainless steel / Double coated brass			
Weight [kg]	2.88			
Order no.	50967			

Rotating Nozzle 5-30 E				
Dimensions (L x W x H) [mm]		150 x 100 x 49		
Max. Fountain height	SPB [m]	DWB [l/min]	DDB [bar]	
1.00 [m]	var.	330	0.15	
2.00 [m]	var.	500	0.30	
3.00 [m]	var.	630	0.50	
4.00 [m]	var.	740	0.60	
5.00 [m]	var.	790	0.75	
6.00 [m]	var.	875	0.90	
7.00 [m]	var.	980	1.10	
8.00 [m]	var.	1050	1.30	
9.00 [m]	var.	1110	1.50	
10.00 [m]	var.	1170	1.60	
Material	Stainless steel / Double coated brass			
Weight [kg]	17.5			
Order no.	50473			



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Schaumsprudler 35-10 E / 55-10 E / 55-15 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Schaumsprudler 75-20 Silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## SCHAUMSPRUDLER 35-10 E TO 75-20 SILVER

The lively bubbling water pattern generated by the foam effect nozzles is the optimal accessory for watercourse inlets, stepped pool installations, or fountain installations with a water reservoir at a lower level.

By mixing air with water, the pattern appears to be extremely high-volume. Nevertheless the nozzles actually have a low water requirement. The beautiful soft foam jet offers a strong contrast to its environment.

As opposed to Cascade and Geyser nozzles, Schaumsprudler nozzles work independently of the water level so that fluctuations in the water level do not affect the water pattern.

### Product characteristics at a glance

- High-contrast, lively water pattern
- Foam / spume effect
- Trouble-free continuous operation
- Offers oxygen enrichment
- Extensively wind-stable
- Water-level independent



35-10 E

55-10 E

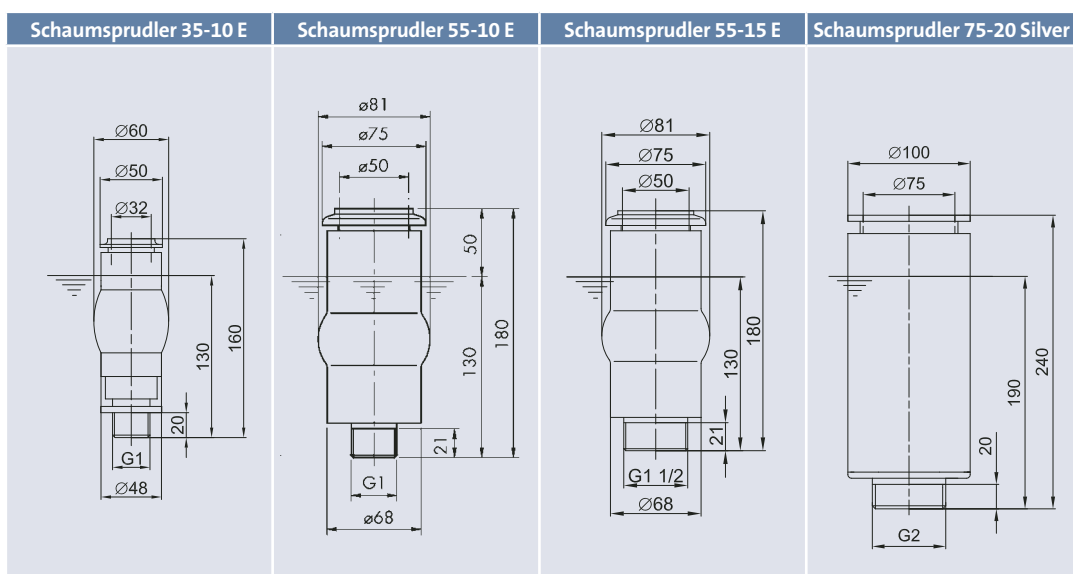


55-15 E

75-20 Silver

Accessories (must be ordered separately)	Order no.
Swivel connection 10 silver (see page 244)	<b>51015</b>
Swivel connection 15 silver (see page 244)	<b>51016</b>
Swivel connection 20 silver (see page 244)	<b>51017</b>
Sleeve 10 silver (see page 244)	<b>51018</b>
Sleeve 15 silver (see page 244)	<b>51019</b>
Sleeve 20 silver (see page 244)	<b>51020</b>

Accessories (must be ordered separately)	Order no.
Adapter G 10 / NPT 10 (see page 244)	<b>51026</b>
Adapter G 15 / NPT 15 (see page 244)	<b>51027</b>
Adapter G 20 / NPT 20 (see page 244)	<b>51028</b>
Reducing sleeve 15 x 10 (see page 245)	<b>51032</b>
Reducing sleeve 20 x 15 (see page 245)	<b>51030</b>
Swivel ball joint 10 (see page 245)	<b>51165</b>



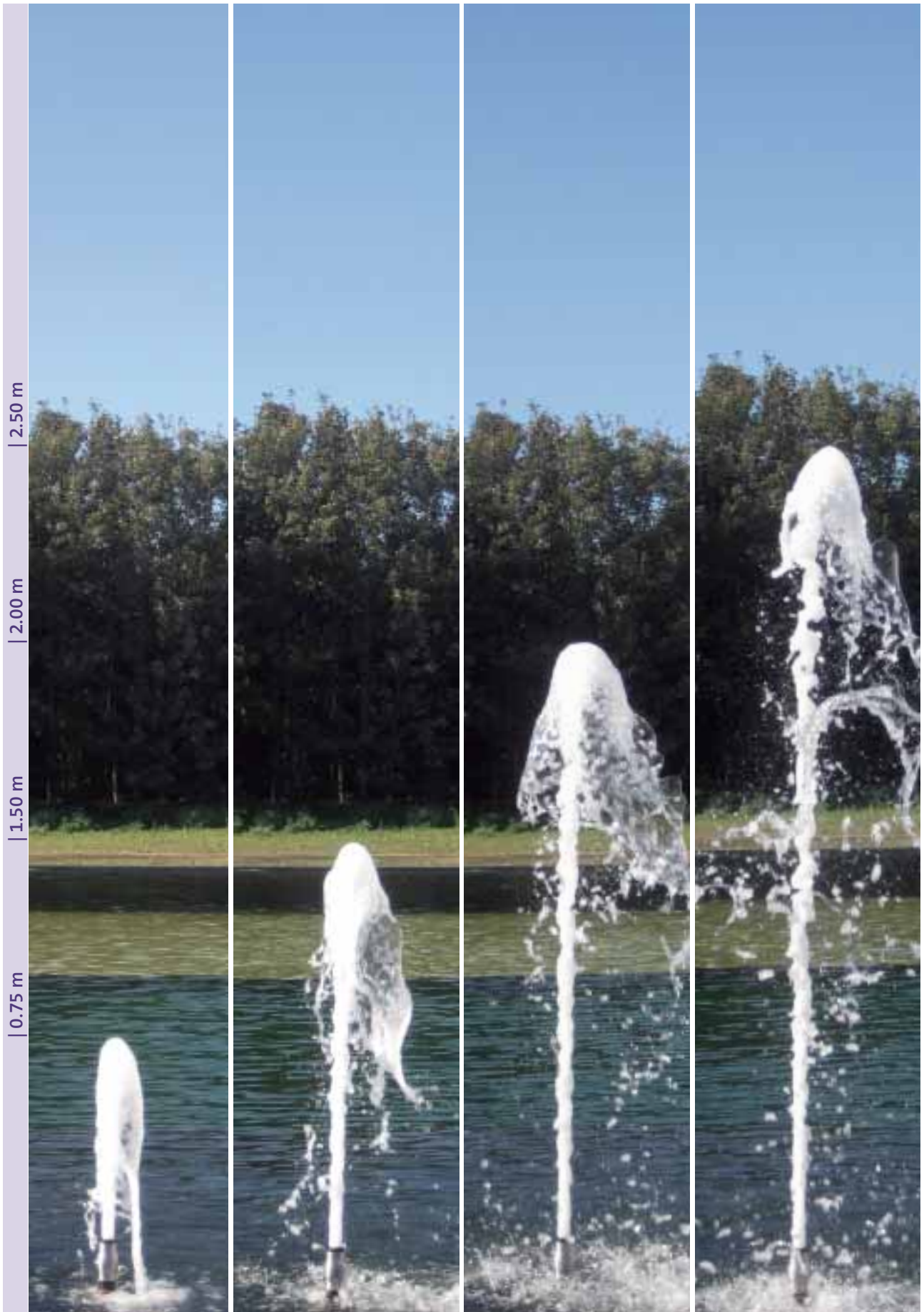
		Schaumsprudler 35-10 E		Schaumsprudler 55-10 E		Schaumsprudler 55-15 E		Schaumsprudler 75-20 Silver	
Dimensions (ø x H) [mm]		60 x 160		81 x 180		81 x 180		100 x 240	
Fountain height		DWB	DDB	DWB	DDB	DWB	DDB	DWB	DDB
		l/min	bar	l/min	bar	l/min	bar	l/min	bar
0.25	[m]	47	0.10	60	0.11				
0.50	[m]	55	0.14	84	0.21	125	0.11		
0.75	[m]	71	0.22	108	0.32	151	0.15		
1.00	[m]	80	0.28	122	0.40	176	0.19	328	0.20
1.25	[m]	89	0.34	134	0.49	198	0.24	367	0.24
1.50	[m]	97	0.40	145	0.58	217	0.28	401	0.29
1.75	[m]	104	0.46	156	0.66	235	0.33	433	0.34
2.00	[m]	111	0.52	166	0.75	252	0.38	463	0.39
2.50	[m]	123	0.65	184	0.92	282	0.48	518	0.49
3.00	[m]			200	1.09	310	0.58	567	0.58
3.50	[m]			216	1.27	335	0.67	612	0.68
4.00	[m]					359	0.77	655	0.78
4.50	[m]					381	0.87	695	0.87
5.00	[m]					402	0.97	733	0.97
6.00	[m]					441	1.16	803	1.17
7.00	[m]					477	1.36	868	1.33
8.00	[m]							928	1.56
9.00	[m]							965	1.75
10.00	[m]							1039	1.95
Material		Stainless steel 1.4301 (AISI 304)		Stainless steel 1.4571 (AISI 316Ti) / Brass				Double coated brass	
Weight	[kg]	0.5		1.2		1.4		4.3	
Order no.		<b>50984</b>		<b>50986</b>		<b>50987</b>		<b>50768</b>	



# SCHAUMSPRUDLER 35-10 E

NOZZLES

CLASSIC









	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Cascade	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## CASCADE 50 T TO CASCADE 130 T

**These injector nozzles generate a lively full water pattern that changes depending on the water level and accentuates every public area.**

Thanks to the injector effect, water and air are suctioned in, mixed intensively and accelerated into the air by the injector jet as an impressive soft flowing fountain. In this process a voluminous fountain that forms a point is generated with relatively low pump capacities.

The foam effect nozzles work depending on the water level; they generate a slender and higher water pattern if the normal water level is not reached. If the normal water level is exceeded

the water pattern is fuller and lower. This effect is particularly interesting when there are strong wave movements; then the fountains really start to dance. In installations with a different water level, non-return valves should be provided, otherwise the water level will drop to injector height once the installation is switched off.

### Product characteristics at a glance

- Lively water effect
- Foam/spume effect
- Offers oxygen enrichment
- Adjusting flange for alignment
- Water pattern is water-level dependent



Cascade 50 T

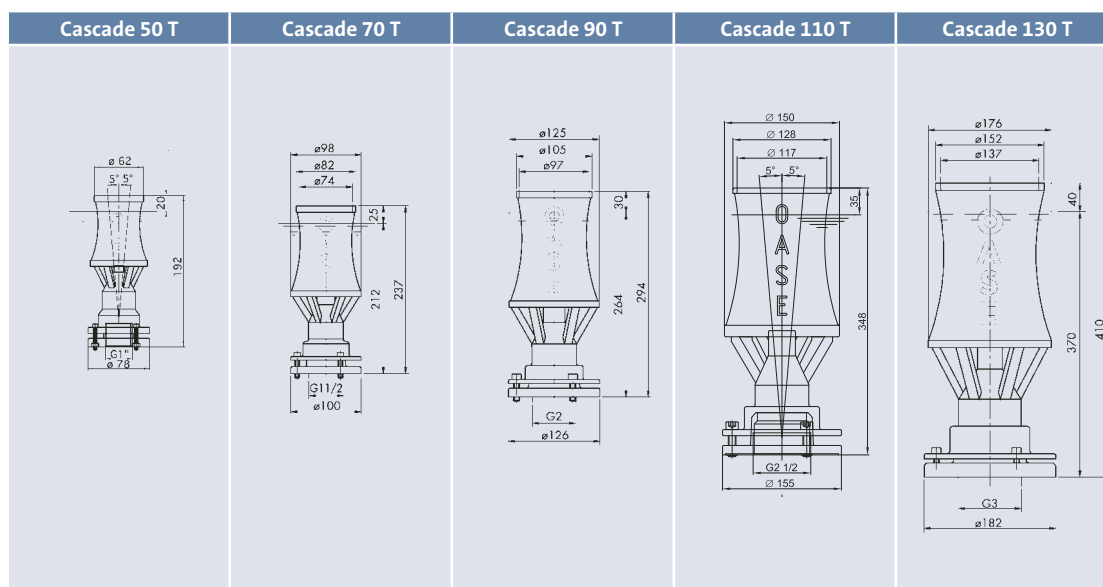
Cascade 70 T

Cascade 90 T

Cascade 110 T

Cascade 130 T





		Cascade 50 T		Cascade 70 T		Cascade 90 T		Cascade 110 T		Cascade 130 T	
Dimensions (Ø x H mm)		78 x 192		100 x 237		125 x 294		149 x 346		176 x 410	
Fountain height		DWB	DDB	DWB	DDB	DWB	DDB	DWB	DDB	DWB	DDB
		l/min	bar	l/min	bar	l/min	bar	l/min	bar	l/min	bar
0.25	[m]	28	0.18								
0.50	[m]	34	0.26	79	0.27						
0.75	[m]	39	0.33	88	0.33	141	0.27				
1.00	[m]	43	0.41	97	0.40	157	0.33	236	0.36	379	0.36
1.50	[m]	51	0.57	111	0.53	184	0.46	279	0.48	437	0.48
2.00	[m]	58	0.73	124	0.66	208	0.58	317	0.60	488	0.60
2.50	[m]	69	1.04	136	0.79	229	0.71	351	0.72	534	0.72
3.00	[m]	74	1.20	147	0.92	249	0.83	382	0.84	577	0.84
4.00	[m]	79	1.36	166	1.18	284	1.08	437	1.07	654	1.07
5.00	[m]	88	1.68	184	1.44	315	1.34	486	1.34	723	1.34
6.00	[m]			200	1.71	344	1.59	531	1.55	786	1.55
7.00	[m]			215	1.97	370	1.85	572	1.79	845	1.79
8.00	[m]					395	2.10	611	2.04	900	2.04
10.00	[m]					441	2.61	682	2.52	1001	2.52
12.00	[m]							747	3.01	1094	3.01
14.00	[m]							806	3.50	1180	3.50
16.00	[m]									1260	3.99
18.00	[m]									1336	4.49
20.00	[m]									1408	4.99
Material		Tombac									
Weight	[kg]	1.6		2.4		3.6		7.0		11.0	
Order no. NPT		89051		89052		89053		89054		89055	
Order no.		50911		50912		50915		50916		50917	

## CASCADE 130 T









	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Geyser	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## GEYSER 20 T TO GEYSER 100 T

Like the Cascade nozzles, these injector nozzles also generate a water pattern that changes depending on water level, however the Geyser foam effect nozzles generate a slender, more cylindrical shaped fountain.

Thanks to the injector effect water and air are suctioned in, mixed intensively and accelerated into the air by the injector jet as an impressive soft flowing fountain. In this process a voluminous fountain is generated using relatively low pump capacities.

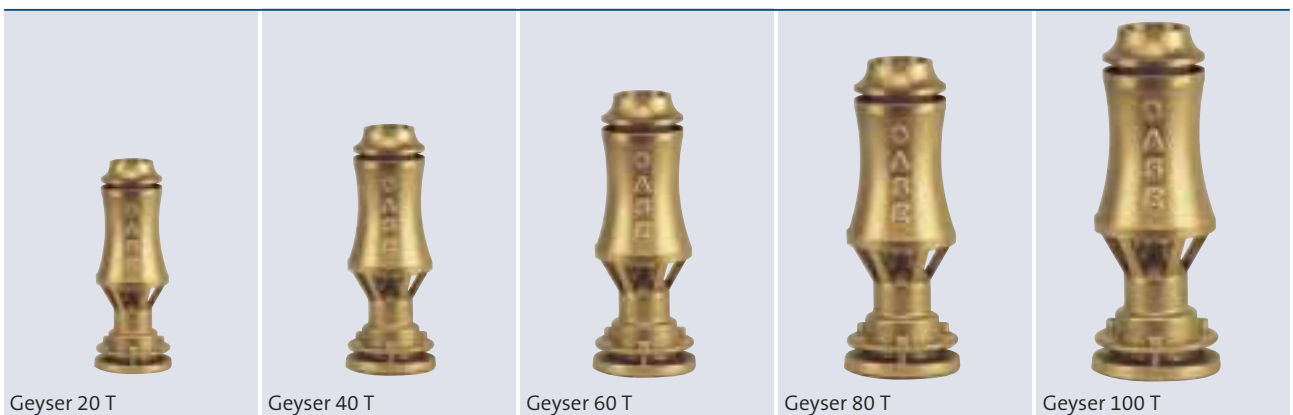
The foam effect nozzles that work depending on the water level generate a slender and higher water pattern if the normal water level is not reached. If

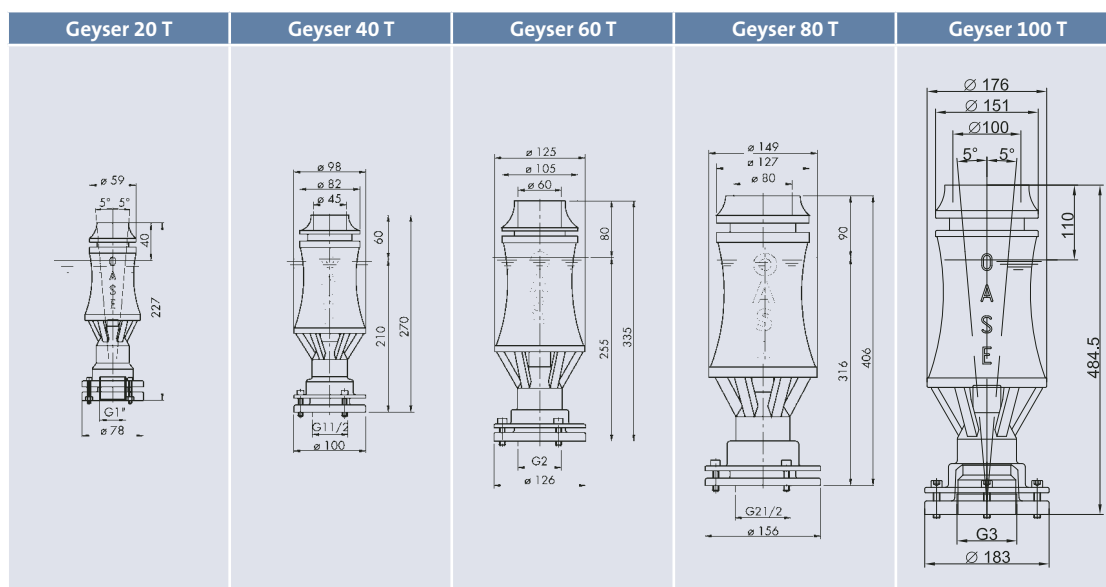
the normal water level is exceeded the water pattern is fuller and lower. This effect is particularly interesting when there are strong wave movements; then the fountains really start to dance.

In installations with a different water level, non-return valves should be provided, otherwise the water level will drop to injector height once the installation is switched off.

### Product characteristics at a glance

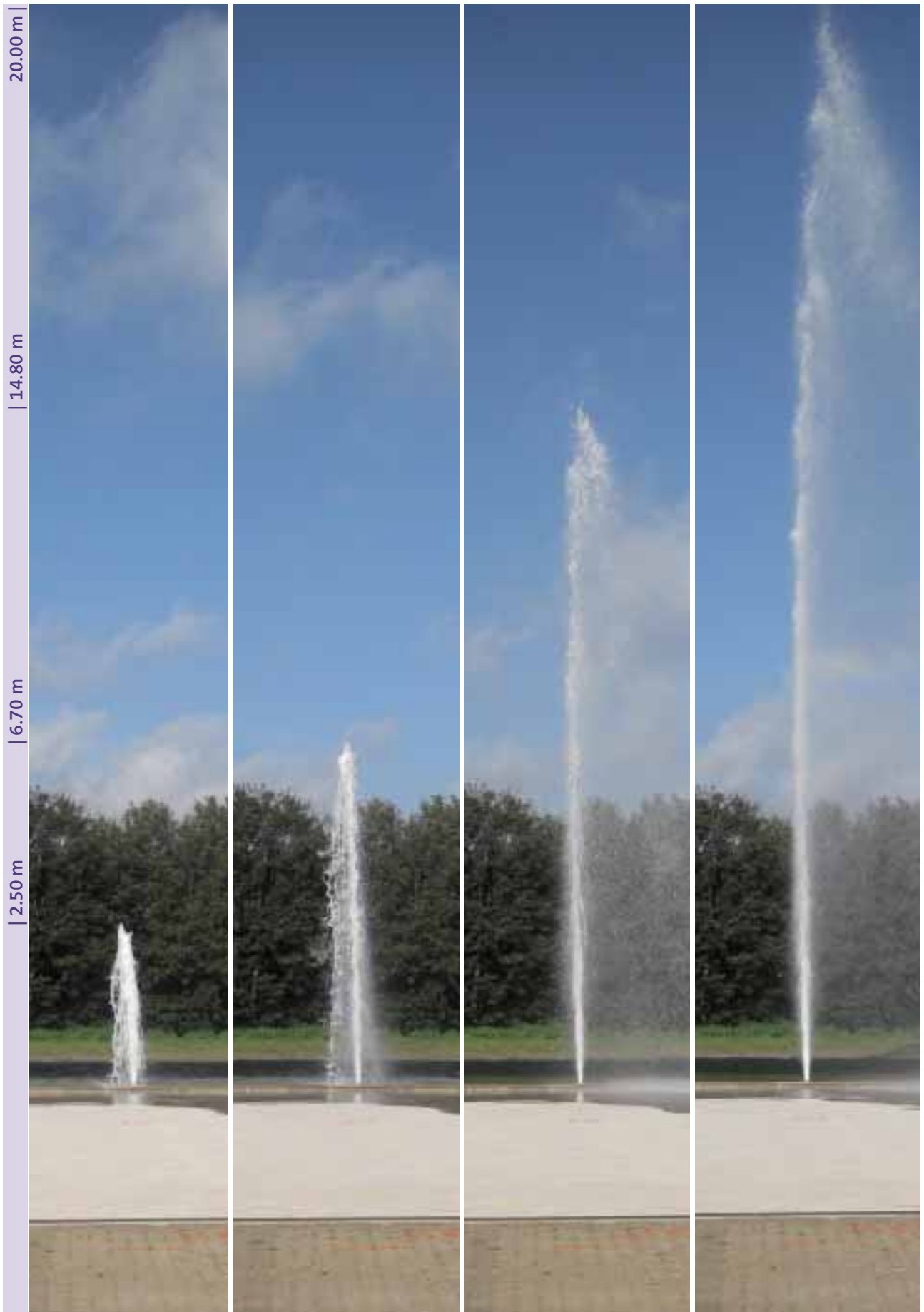
- Lively water effect
- Foam / spume effect
- Offers oxygen enrichment
- Adjusting flange for alignment
- Water pattern is water-level dependent





	Geysers 20 T		Geysers 40 T		Geysers 60 T		Geysers 80 T		Geysers 100 T	
Dimensions (Ø x H mm)	78 x 227		98 x 270		125 x 335		156 x 406		182 x 480	
Fountain height	DWB	DDB	DWB	DDB	DWB	DDB	DWB	DDB	DWB	DDB
	l/min	bar	l/min	bar	l/min	bar	l/min	bar	l/min	bar
0.50 [m]	30	0.20	82	0.27	128	0.24				
0.75 [m]	33	0.25	89	0.31	140	0.29				
1.00 [m]	37	0.30	95	0.35	151	0.34	242	0.37		
1.50 [m]	42	0.39	105	0.43	171	0.43	273	0.47		
2.00 [m]	47	0.49	115	0.52	189	0.53	301	0.57	459	0.56
2.50 [m]	52	0.59	124	0.60	205	0.62	327	0.67	497	0.66
3.00 [m]	56	0.69	133	0.69	220	0.72	350	0.77	532	0.75
4.00 [m]	64	0.89	149	0.86	247	0.91	394	0.97	596	0.94
5.00 [m]	71	1.08	163	1.03	272	1.09	433	1.18	653	1.13
6.00 [m]	77	1.28	176	1.20	295	1.29	469	1.38	707	1.33
7.00 [m]			188	1.38	316	1.57	503	1.59	757	1.52
8.00 [m]			199	1.55	336	1.67	534	1.79	803	1.71
10.00 [m]					373	2.06	593	2.21	890	2.10
12.00 [m]					407	2.44	646	2.62	969	2.49
14.00 [m]							696	3.04	1043	2.89
16.00 [m]							742	3.46	1112	3.28
18.00 [m]							786	3.88	1178	3.68
20.00 [m]							828	4.30	1240	4.08
25.00 [m]									1386	5.09
30.00 [m]									1519	6.12
Material	Tombac									
Weight [kg]	1.5		3.2		5.3		9.3		16.2	
Order no. NPT	89023		89024		89025		89026		89027	
Order no.	50991		50992		50993		50994		50995	

## GEYSER 80 T







NOZZLES

CLASSIC



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Mylar Lace	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## MYLAR LACE FOUNTAINS SYSTEMS

OASE-mylar lace fountain systems represent an interesting design element in fountain technology. As the water is running noiselessly and nearly without splashing downwards along the special mylar laces, many possible applications are possible.

Indoors the mylar lace fountain can divide a room or form a glittering curtain as an architectural feature.

OASE mylar fountains basically consist of a bottom water reservoir and a top water distribution system with a multitude of mylar nozzles and the corresponding number of adjustable transparent mylar laces. The water reservoir comprises the complete technology - such as pump, overflow drain, freshwater refill, power supply, the mylar lace conduction plate and the underwater lights.

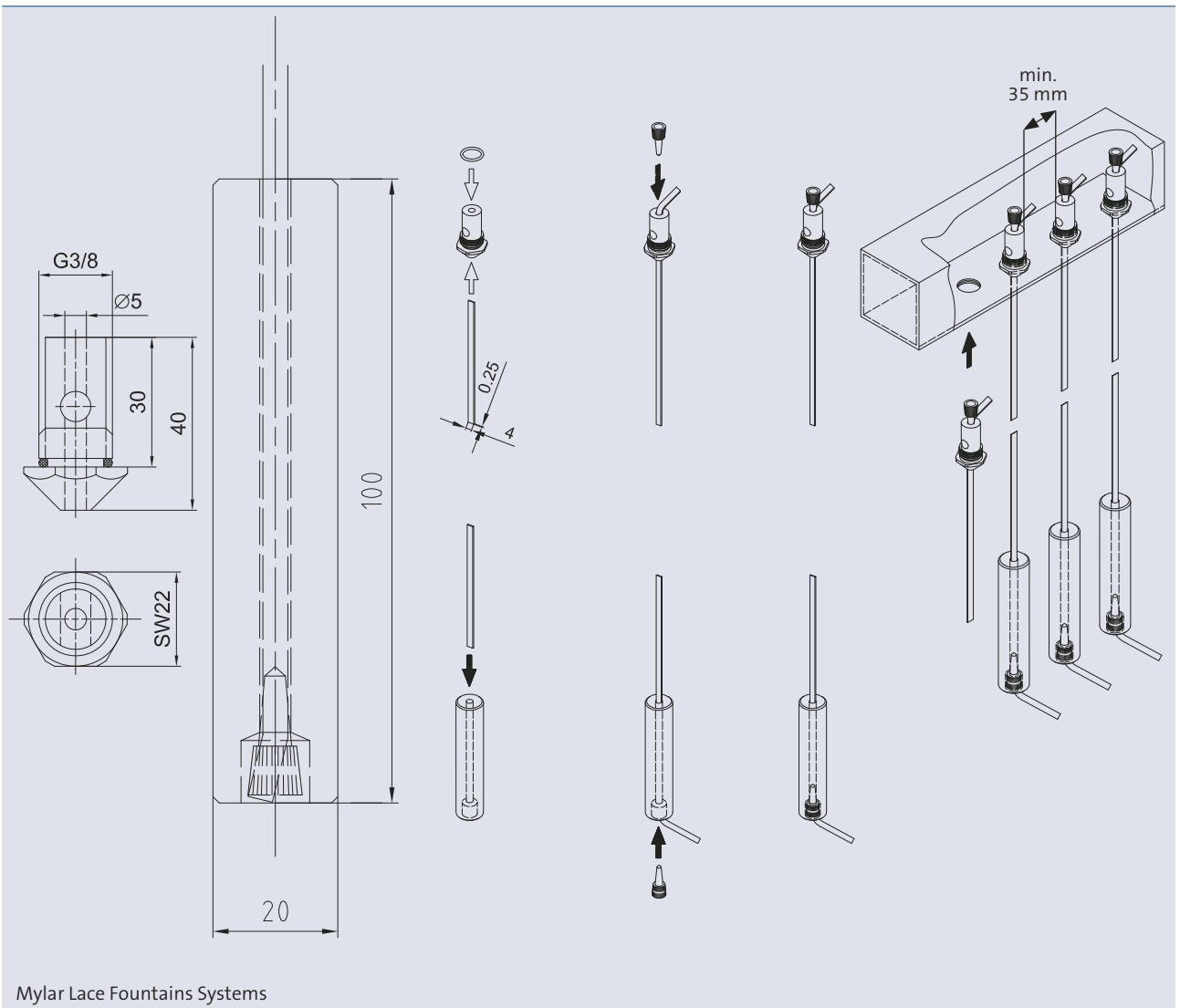
The OASE accessory program also offers other components like a water treatment with the installation of water softener, filtering and dosing plant.

### Product characteristics at a glance

- Attractive design concept
- Remarkable room divider
- Effective room humidifier



Mylar Lace Fountains Systems



Mylar Lace Fountains Systems

	Nozzle for Mylar Lace Typ FDSW22/MS	Mylar Lace Typ MF 4/025	Lace Weight, Typ FG 20/100MS
Dimensions (L x W x H) [mm]	22 x 22 x 40	4 x 0.25 x 150000	20 x 20 x 100
Water demand [l/min]	0.5	–	–
Material	Brass	Mylar lace	Brass
Weight [kg]	0.1	0.15	0.2
<b>Order no.</b>	<b>52218</b>	<b>52219</b>	<b>52220</b>



# FLOATING FOUNTAINS



**Fountains are not only an attractive highlight for any body of water, they are also healthy for the biological balance**

Floating fountains conjure up impressive water effects wherever standing aggregates are difficult to install: If there are fluctuating water levels, excessive water depths, or on muddy pond floors. Thanks to easy installation they can also be implemented on short notice, or the water pattern can be changed as desired.

OASE floating fountains make an additional contribution by enriching the oxygen in the body of water; a contribution toward the reduction of algae.

The PondJet Eco – a compact, energy-efficient floating fountain with dynamic function – is new in the product range. Learn more on page 80.



## 78 Floating fountains

- 80 PondJet/PondJet Eco
- 82 MIDI II/MAXI II
- 84 Fountain attachments
- 86 Illumination sets

### OASE INNOVATION CENTER

LOCATION: HÖRSTEL/GERMANY

Appealing design and functionality: The new MIDI/MAXI floating fountains.



*PondJet Eco*



*MIDI II / MAXI II*



PondJet with PondJet-Nozzle



Schaumsprudler 35-10 E

	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
PondJet Eco 57704	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PondJet 54019	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## PONDJET / PONDJET ECO

Thanks to the PondJet floating fountain pump, decorative fountains can easily and quickly be achieved without any complex installation.

Neither the depth of the water, nor a pond base that is very dirty or difficult to access are of significance here. Perfect for use at short notice.

INNOVATION – MADE BY OASE

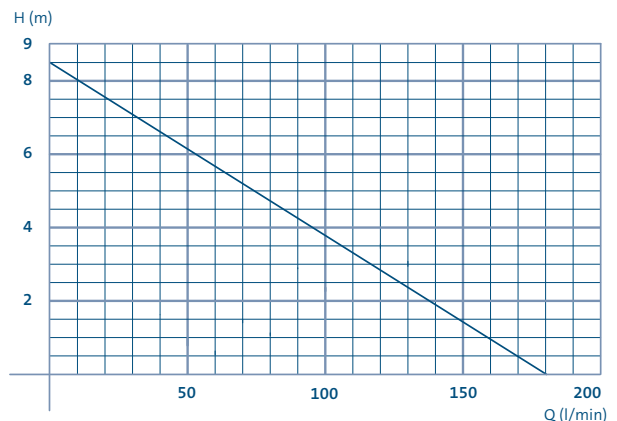


PondJet Eco

### Product characteristics at a glance

- Ready-to-connect complete aggregate, consisting of pump, float element, and PondJet-nozzle with 1"-thread
- Clearly structured fountain height and spray diameter of 3 metres
- Minimum water depth in clear water is 1 m; for a muddy pond floor the minimum depth is 1.5 m
- Lighting set and additional nozzle patterns are available as accessories

### Pump performance curve







**PondJet-nozzle**  
with 1" thread, cover plate and plug. The 1" thread allows 25 mm / 1" fountain attachments to be attached on the multifunction nozzle of the PondJet.



**Dynamic function**  
The dynamic function can be activated by a switch. Thus attractive water patterns with different fountain heights are produced. This function enables an average reduction in power consumption of 105 W.



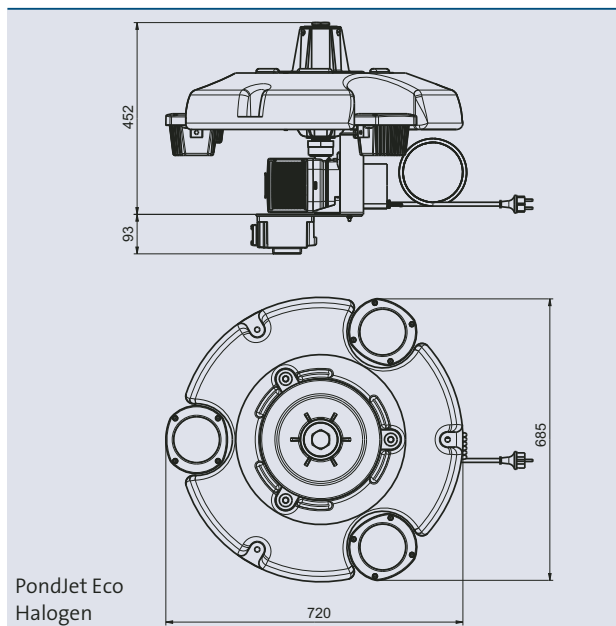
**Connection possibility** for the underwater transformer of the lighting set available as an accessory.



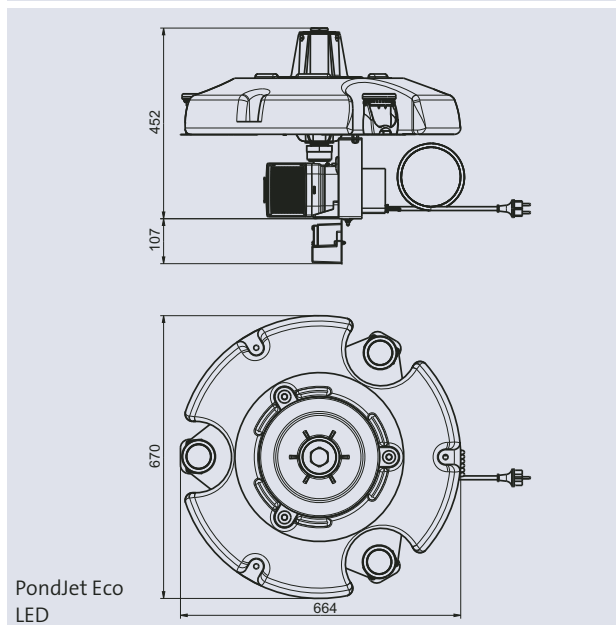
**1"-thread with nozzle**  
Here, as an example with a mounted Schaumsprudler 35-10E.



**Accessories: Illumination set and fountain attachments**  
The optional LunAqua 10 spotlight set wonderfully illuminates water patterns. Additional fountain attachments are available.



PondJet Eco  
Halogen



PondJet Eco  
LED

Accessories (must be ordered separately)	Order no.
Schaumsprudler 35-10 E (see page 64)	50986
Vulcan 43-3 Silver (see page 59)	50766
Illumination Set PondJet (see page 86)	57083
LED-floating fountain illumination white (see page 86)	42637

Accessories (must be ordered separately)	Order no.
Schaumsprudler 35-10 E (see page 64)	50986
Vulcan 43-3 Silver (see page 59)	50766
Illumination Set PondJet (see page 86)	51071

PondJet Eco		
Dimensions (Ø x H)	[mm]	670 x 540
Rated voltage	[V/Hz]	220 - 240 / 50 / 60
Power consumption	[W]	190
Flow rate max.	[l/min.]	180
Flow rate max.	[l/h]	10800
Head height max.	[m]	8.5
Pressure-side connection	[inch]	1
Spray height	[m]	3.0
Filter surface area	[cm <sup>2</sup> ]	420
Cable length	[m]	20.0
Weight	[kg]	15.20
<b>Order no.</b>		<b>57704</b>

PondJet		
Dimensions (Ø x H)	[ft]	2.2 x 1.8
Operating voltage	[V/Hz]	110-120 / 60
Power consumption	[W/A]	260 / 2.2
Flow rate max.	[gpm]	40
Flow rate max.	[gph]	2400
Head height max.	[ft.]	28
Pressure-side connection	[in.]	1
Spray height max.	[ft.]	10
Spray width max.	[ft.]	10
Cable length	[ft.]	75
Weight	[lbs.]	16.8
<b>Order no.</b>		<b>54019</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
MIDI II 1.1 kW / 230 V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MAXI II 4.0 kW / 400 V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MIDI II 2HP / 230 V 60 Hz	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MAXI II 5HP / 3-Phase	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

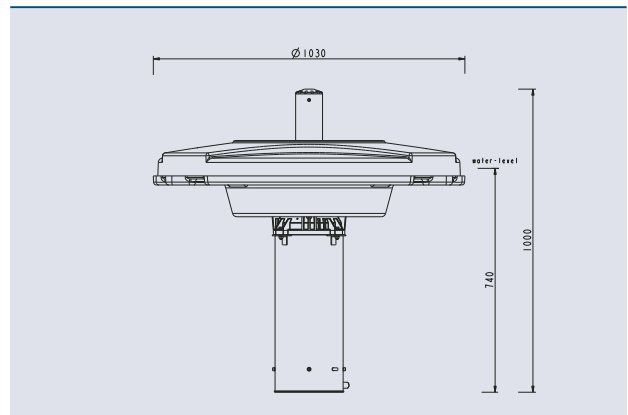
## FLOATING FOUNTAIN MIDI II / MAXI II

### Product characteristics at a glance

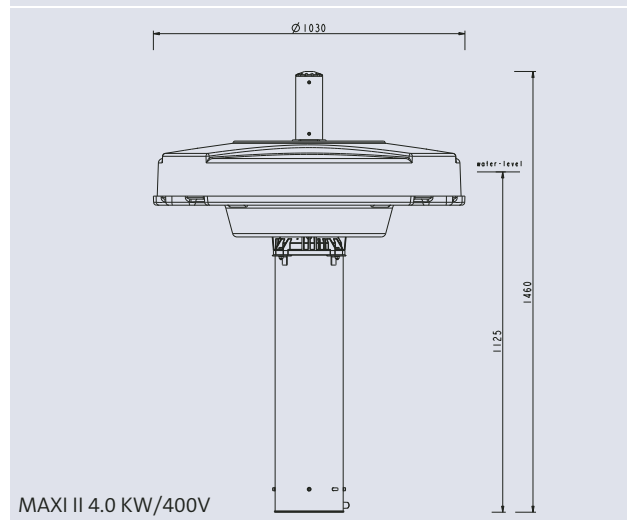
- Models from 1.1 to 4.0 KW and 2 HP to 5 HP
- Complete, ready-to-connect fountain in different motor horse powers
- Four easy-change nozzle patterns with 3" standard threads
- Foamed float for extraordinary stability and minimum noise
- Stainless steel pump basket
- Mounting set included
- Optional lighting set



MIDI II 1.1 KW/230V



MIDI II 1.1 KW/230V



MAXI II 4.0 KW/400V

Easy to install, low-maintenance and with an attractive design: The MIDI/MAXI floating fountain features for interesting water effects both day and night.

Three different motor power outputs with confirming to standards earthed plugs (230 V) and motor circuit breaker or CEE plug (400 V) offer solutions for different bodies of water and conditions. Optimised water pressure creates impressive heights for the four available nozzle patterns with 3" standard threads for fast changing. The easy-to-install LunAqua 10 LED/01 illumination set provides for impressive illumination of the water features with a height of up to 16.5 m.



**Schuko plugs + control box** The 230V version is delivered ready for operation with control box and Schuko connector.



**CEE-connector + protection switch** The 400V version comes with a ready-to-connect, 5-pole CEE connector and motor protection switch



	MIDI II 1.1 KW/230V	MAXI II 4.0 KW/400V		MIDI II 2HP/230V 60Hz	MAXI II 5HP/3-Phase
Dimensions incl. Nozzle (Ø x H) [mm]	1030x 1000	1030 x 1460	[in.]	46 x 28	46 x 38
Motor power [kW]	1.1	4.0	[W/A]	2749 / 13.2	3738 / 19.8
Pump output [l/h]	22000	39000	[l/h]		
Minimum water depth [mm]	1000	1250	[ft.]	3	4
Protection class	IP 68	IP 68		IP 68	IP 68
Rated current (230V/400V) [A]	7.3	9.6	[W/A]	2749 / 13.2	3738 / 19.8
Voltage [V/Hz]	230 AC / 50	400 AC / 50	[V/Hz]	230 / 60	208-230 / 60
Weight [kg]	80	105	[lbs]	88	132
Pump cable set (length) [m]	50	50	[ft.]	600	450
<b>Order no.</b>	<b>50365</b>	<b>50371</b>		<b>50372</b>	<b>50374</b>



# MIDI II / MAXI II FOUNTAIN ATTACHMENTS

FLOATING FOUNTAINS

FOUNTAIN ATTACHMENTS MIDI / MAXI



Geysers Jet 30

High Jet 30

	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Geysers Jet 30 / Hight Jet 30													



Geysers Jet 30



Hight Jet 30

Fountain attachments	1 Geysers Jet 30		2 High Jet 30	
<b>Pump power</b>	<b>1.1 kW/230 V</b>	<b>4 kW/400 V</b>	<b>1.1 kW/230 V</b>	<b>4 kW/400 V</b>
Fountain height (total) [m]	5.0	12.0	9.0	16.5
Fountain height (1st step) [m]	–	–	–	–
Nozzle spray diameter [m]	1.7	2.7	3.0	3.5
<b>Order no.</b>	<b>50377</b>		<b>50375</b>	

All MIDI/MAXI attachments comes with 3"-thread.

Please find more information on our nozzles on page 50.



3



4



3



4

Grand-Vulcan 30

Trumpet Jet 30

	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Grand-Vulcan 30 / Trumpet Jet 30													



Grand-Vulcan 30



Trumpet Jet 30

Fountain attachments	3 Grand Vulcan 30	4 Trumpet Jet 30
<b>Pump power</b>	<b>1.1 kW/230 V</b>	<b>4 kW/400 V</b>
Fountain height (total) [m]	3.0	7.0
Fountain height (1st step) [m]	–	–
Nozzle spray diameter [m]	4.0	6.8
<b>Order no.</b>	<b>50376</b>	<b>50378</b>

All MIDI/MAXI attachments comes with 3"-thread.

Please find more information on our nozzles on page 58.



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Illumination Set PondJet 57083	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Illumination Set PondJet 51071	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LED-floating fountain illumination white	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Illumination Set MIDI/MAXI/AirFlo	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

\*0-24 V/350 mA/DC

## ILLUMINATION SETS PONDJET ECO / MIDI II / MAXI II

### LED-FLOATING FOUNTAIN ILLUMINATION WHITE



LED-floating fountain illumination white

### ILLUMINATION SET MIDI II / MAXI II



Illumination Set MIDI / MAXI / AirFlo LED/01





Illumination Set PondJet 	Illumination Set PondJet 	LED-floating fountain illumination white  <span style="background-color: #0056b3; color: white; padding: 2px 5px; font-weight: bold;">NEW</span>	Illumination Set MIDI/MAXI/AirFlo LED/01 
This illumination set includes three LunAqua 10 halogen spotlights and comes with UST 150 transformes, cables and a special mounting kit.  By this, it is very easy to retrofit.	This illumination set includes three LunAqua 10 halogen spotlights and comes with UST 150 transformes, cables and a special mounting kit.  By this, it is very easy to retrofit.	This illumination includes three LunAqua Power LED lights and comes with an LED driver with 20 m cable and a special mounting kit.  By this, it is very easy to retrofit. To illuminate PondJet Eco and MIDI, MAXI and AirFlo Floating Fountains.	For an impressive floating fountain even at night – as easy as our proven MIDI/MAXI/AirFlo system, we offer you a LED version of our illumination kit with three spotlights each. A unique connection system makes it very easy to install the spotlights on the float. The UST 150 transformer is mounted easily to the pump basket directly.
<b>Set of 3 Halogen</b>	<b>Set of 3 Halogen</b>	<b>Set of 3 LED lights</b>	<b>Set of 3 LED</b>
3 x LunAqua 10, each with a 50 W halogen bulb	3 x LunAqua 10, each with a 50 W halogen bulb	3 x LunAqua Power LED W, each with a 5,8 W LED bulb 230 V / 50 Hz, 0-24 V	3 x LunAqua Power LED, each with a 10 W LED bulb
3 x Light mounting brackets	3 x Light mounting brackets	3 x Light mounting brackets	3 x Light mounting brackets
1 x Special stainless steel holder for fastening the transformer	1 x Special stainless steel holder for fastening the transformer	1 x Special stainless steel holder for fastening the LED driver	1 x Special stainless steel holder for fastening the transformer
1 x Safety transformer 150 VA, 230 V-12 V, 50 Hz incl. 20.0 m cable	1 x Safety transformer 150 VA, 120 V-12 V, 60 Hz incl. 75 ft. cable	1 x LED driver incl. 20.0 + 5.0 m cable	1 x Safety transformer 150 VA, 230 V-12 V, 50 Hz incl. 20.0 + 5.0 m cable
<b>Order no.</b> 57083	<b>Order no.</b> 51071	<b>Order no.</b> 42637	<b>Order no.</b> 50479

# CONTROLLABLE & CLASSIC PUMPS



## Controllable and classic pumps

Pumps ensure that we can take pleasure in the never-ending play of water; they enable fountains, water features, watercourses, and water falls to come alive.

OASE offers the suitable pump for any requirement; the innovative controllable Varionaut-pumps or the classic pump. The new generation of Varionaut-pumps are DMX/RDM controlled and can send information back to the control panel, e.g. running time and electronic temperature.

These status requests require remote diagnosis and remote maintenance.

This individually regulated pumps create dynamic water effects. The combination of Varionaut pumps with Jumping Jets or Varionaut pumps with VarioJets interfere different effects to total new charmer effects.

The Varionaut 270/DMX/02 is new in the range of controllable 230 V pumps – it closes the gap between the Varionaut 150 and 365. Learn more.



## 92 Controllable Pumps

- 92 Varionaut 90 24V
- 94 Varionaut 150 24V
- 96 Varionaut 150 230V
- 98 Varionaut 270 230V
- 100 Varionaut 365 230V

## 102 Classic Pumps

- 102 Water feature pumps
- 104 Universal pumps
- 110 Block centrifugal pumps
- 112 Submersible motor-driven pumps

### MUSICAL FOUNTAIN IN DEVA

LOCATION: DEVA/ROMANIA

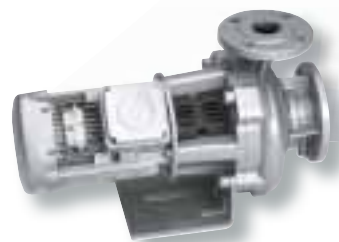
The fountains are placed in the center of Deva. Different dynamic water patterns inspire synchronic with the music.



*Varionaut 270/DMX/02*



*SPA submersible pump*



*BT block centrifugal pump*



## VARIONAUT PUMPS

The Varionaut pumps are controlled via DMX/RDM. The flow rate of each pump can be individually controlled. This enables in creating dynamic and unique water images without any additional water distributor or control valves.

Magical superimposed effects can be generated by combining the Varionaut pumps with Jum-

pingJets or Variojets. The complete range of the OASE Varionaut pumps is patented and available in different sizes in 24V DC and 230 VAC, 50/60 Hz technology.

The new Varionaut 270/DMX/02 in 230V technology closes the gap between the Varionaut 150 and Varionaut 365.

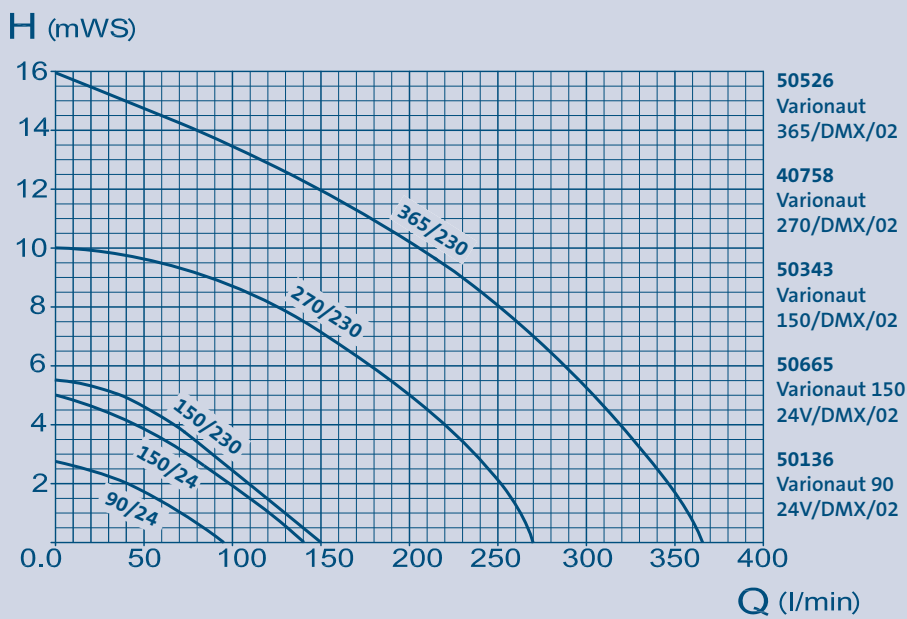


KLCC Park/Petronas Towers  
 Location: Kuala Lumpur/ Malaysia



Overview

This performance chart can be helpful for the selection of the right Varionaut pump. Please refer to the product pages for further details.





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Varionaut 90 24V/DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Varionaut 1 /A/DMX/01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## VARIONAUT 90 24V/DMX/02, VARIONAUT 1

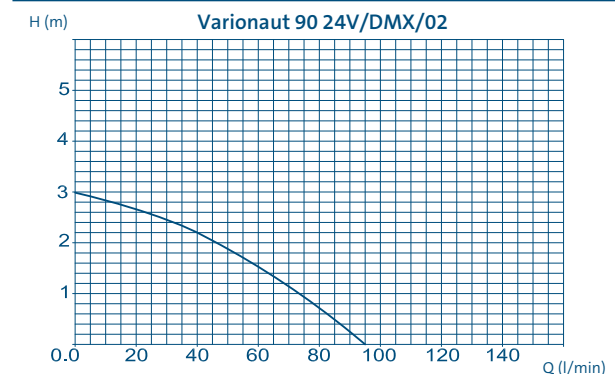
A 24 V/DC indoor and outdoor fountain pump which is suitable for underwater application directly below the nozzles. It fulfills the national regulations of DC current up to 30 V. Any single pump can be individually regulated and controlled via the DMX connection. That way dynamic water effects can be created easily.

The Varionaut 90 itself produces water displays of up to 2.00 m height – in combination with Comet 5-8 Silver nozzles. It comes with a high-quality stainless steel filter housing, along with 2 connection boxes for the 24 V power supply (only the Varionaut 90) and DMX data source. Through this special connection technology, wiring by hand is no longer necessary. This IP 68 waterproof, patented connection system makes the installation safer, easier and faster. Spotlights and other consumer

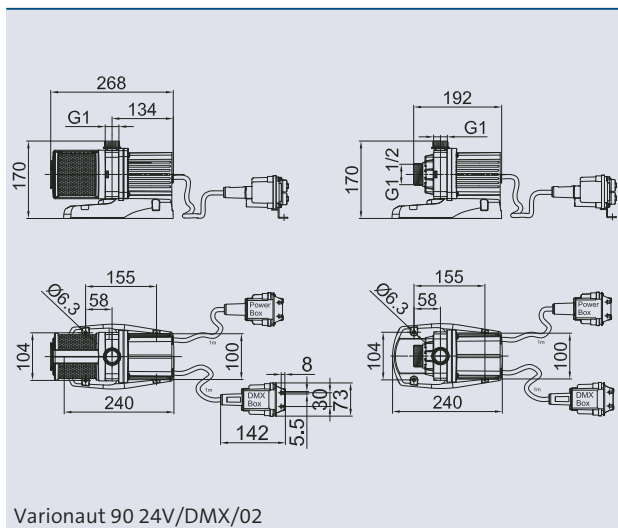
loads (e.g. LED spotlights) can be connected easily to DMX/RDM of the pump.

### Product characteristics at a glance

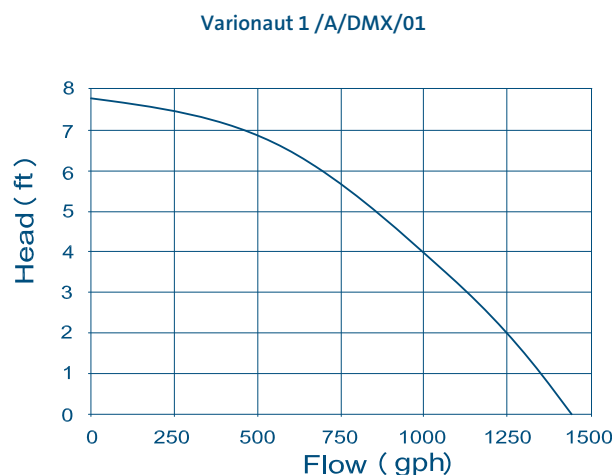
- 24 Volt DC continuous current indoor and outdoor fountain pump
- Can be placed directly below the nozzles in the water as DC up to 30V/DC is approved by national regulations
- Suitable for wet or dry installation
- Power consumption of max. 60 W
- Reverse polarity protection
- 1 m power cable with power box (only 50136) and 1 m DMX cable with DMX box
- Frost protected up to -20° C
- IP 68 rated







Varionaut 90 24V/DMX/02



To operate the Varionaut 90 or Varionaut 1/A an OASE Easy Control or OASE WECS is required (not included).

**Accessories** (must be ordered separately)

<b>Comet 5-8 Silver</b> (see page 42)	50762
<b>Comet 5-8 T</b> (see page 44)	50964

Connecting cable DMX/01 (see page 162)	Order no.
Connecting cable DMX/1.0 m/01	12368
Connecting cable DMX/3.0 m/01	12369
Connecting cable DMX/5.0 m/01	12371
Connecting cable DMX/10.0 m/01	12372
Connecting cable DMX/20.0 m/01	12373
End Resistant for Bus-System DMX/01	12007

Connecting cable 24V DC/01 (see page 160)	Order no.
Connecting cable 24V DC /1.0 m/01	12762
Connecting cable 24V DC /3.0 m/01	12552
Connecting cable 24V DC /7.5 m/01	12553
Connecting cable 24V DC /15.0 m/01	11720
PowerBox 24 V DC / 01 (see page 160)	50493
Underwater power supply 250/24 V/01 (see page 170)	50733
WECS II 512 / DMX/02 (see page 174)	56491
WECS II 1024 / DMX/02 (see page 174)	56492
WECS II 2048 / DMX/02 (see page 180)	56507

	Varionaut 90 /24V/DMX/02	Varionaut 1 /A/DMX/01
Motor Type/ Electronic	24V DC EC-Motor, DMX controlled	24V DC EC-Motor, DMX controlled
Hmax [m]	2.60 [ft]	7.70
Qmax [l/min]	95 [gph]	1450
Power max. [W]	60 [W]	60
Nominal current [A]	2.50 [A]	2.50
Dynamic behaviour speed: (time to reach full fountain height from 0 – 100 % with comet 5-8) [s]	0.60 [s]	0.60
Qmin (offset mode – DMX 0) [l/min]	26 [gph]	412
Max. Powering up / min. Off time [s]	1 x per minute / 10 [s]	1 x per minute / 10
Nominal voltage [V/DC]	24 [V/DC]	24
Immersion depth max. [m]	4 [ft]	13.10
Protection class	IP 68	IP 68
Dimensions incl. filter (LxWxH) [mm]	268 x 142 x 170 [inch]	10.60 x 5 x 6.70
Suction side connection [inch]	Thread G 1 ½ (external thread) [inch]	Thread G 1 ½ (external thread)
Pressure side connection [inch]	Thread G 1 (external thread) [inch]	Thread G 1 (external thread)
Weight [kg]	3.70 [lb]	8
Filter housing	Plastic / stainless steel 1.4301 (AISI 304)	Plastic / stainless steel 1.4301 (AISI 304)
Input DMX	1 m BUS cable with DMX box	3 ft BUS cable with DMX box
Input power	1 m power cable with power box	20 ft power cable without power box
Number of DMX channels	2 channels (control channel, speed channel)	2 channels (control channel, speed channel)
Environmental conditions: submersible application [°C]	Water temperature: min. 4 to max. 35 [°C]	Water temperature: min. 4 to max. 35
Environmental conditions: dry application [°C]	Ambient temperature: max. 30 with natural convection, max. 40 with forced convection, no direct sun exposure permitted [°C]	Ambient temperature: max. 30 with natural convection, max. 40 with forced convection, no direct sun exposure permitted
<b>Order no.</b>	<b>50136</b>	<b>50309</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Varionaut 150 24V/DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## VARIONAUT 150 24V/DMX/02

The Varionaut 150 24V/DMX/02 is a DMX-RDM compatible 24 Volt DC pump. It fulfils national regulations of DC continuous current up to 30 V which permits this pump to be used directly below the nozzles in the pool. This individually regulated pump creates dynamic water effects. The Varionaut 150 24 V itself produces fountains of up to 3.1 m height in combination with Comet 10-12 T nozzles.

The Varionaut 150 24V is the big sister of the Varionaut 90 24V. It comes with a high-quality stainless steel filter housing, along with 2 connection boxes for (only 50665) the 24 V power supply and DMX/RDM data source. Through this special connection technology, wiring by

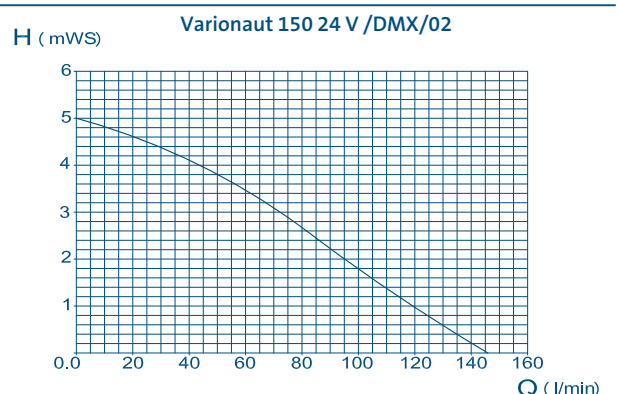
hand is no longer necessary (only 50665). This IP 68 waterproof, patented connection system makes the installation safer, easier and faster. Spotlights and other consumer loads (e.g. LED spotlights) can be connected easily to DMX/RDM of the pump.

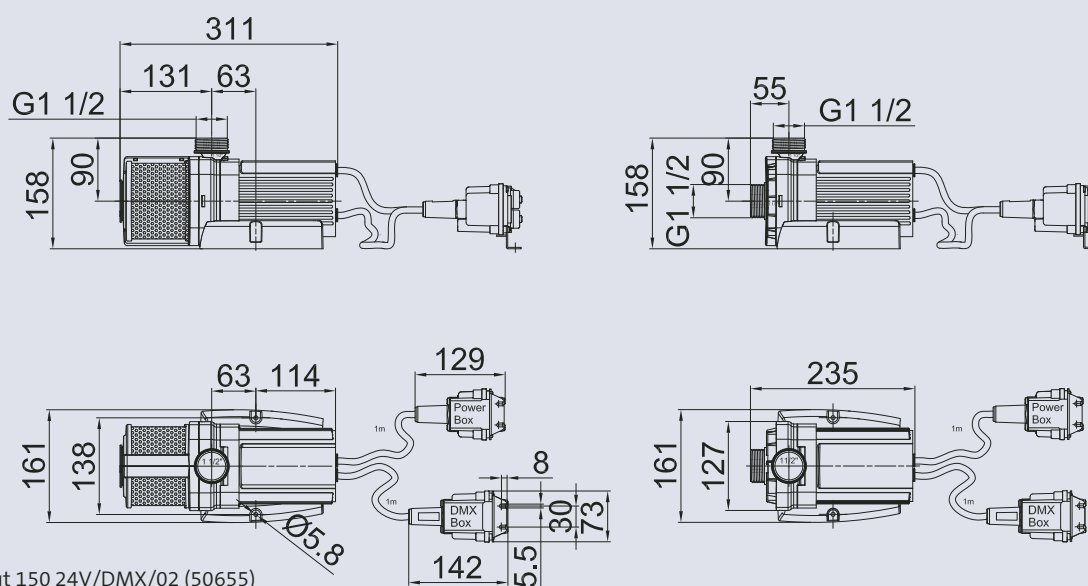
### Product characteristics at a glance

- 24V / DC fountain pump for indoor and outdoor application
- Suitable for wet installation
- Power consumption of max. 120 W
- Reverse polarity protection
- With 1 m BUS and power cable, each with a connection box (only 50665)
- Frost protected up to -20° C
- All parts IP 68 rated



Varionaut 150 24V/DMX/02





Varionaut 150 24V/DMX/02 (50655)

To operate the Varionaut 150 24 V an OASE WECS is required (not included).

**Accessories** (must be ordered separately)

<b>Comet 10-12 T</b> (see page 44)	50968
<b>Reducing Sleeve 15x10</b> (see page 245)	51032
<b>Connecting cable DMX/01</b> (see page 162)	<b>Order no.</b>
Connecting cable DMX/1.0 m/01	12368
Connecting cable DMX/3.0 m/01	12369
Connecting cable DMX/5.0 m/01	12371
Connecting cable DMX/10.0 m/01	12372
Connecting cable DMX/20.0 m/01	12373
End Resistant for Bus-System DMX/01	12007

<b>Connecting cable 24V DC/01</b> (see page 160)	<b>Order no.</b>
Connecting cable 24V DC /1.0 m/01	12762
Connecting cable 24V DC /3.0 m/01	12552
Connecting cable 24V DC /7.5 m/01	12553
Connecting cable 24V DC /15.0 m/01	11720
<b>PowerBox 24 V DC / 01</b> (see page 160)	50493
<b>Underwater power supply 250/24 V/01</b> (see page 170)	50733
<b>WECS II 512 / DMX/02</b> (see page 174)	56491
<b>WECS II 1024 / DMX/02</b> (see page 174)	56492
<b>WECS II 2048 / DMX/02</b> (see page 180)	56507

	Varionaut 150 24V/DMX/02		Varionaut 150 24V/DMX/02	
Motor Type/ Electronic	24V DC EC-Motor, DMX Controlled (DMX-RDM enabled)		24V DC EC-Motor, DMX Controlled (DMX-RDM enabled)	
Hmax	[m]	5	[ft]	16.40
Qmax	[l/min]	145	[gph]	2300
Power max.	[W]	120	[W]	120
Nominal current	[A]	5	[A]	5
Dynamic behaviour speed: (time to reach full fountain height from 0 – 100 %) with comet 5-8	[s]	1	[s]	1
Qmin (offset mode – DMX 0)	[l/min]	22	[gph]	350
Max. Powering up / min. Off time	[s]	1 x per minute / 10 s	[s]	1 x per minute / 10 s
Nominal voltage	[V/DC]	24	[V/DC]	24
Immersion depth max.	[m]	4	[ft]	13.10
Protection class		IP 68		IP 68
Dimensions incl. filter (LxWxH)	[mm]	311 x 161 x 158	[inch]	12.20 x 6.30 x 6.20
Suction side connection	[inch]	Thread G 1 ½ (external thread)	[inch]	Thread G 1 ½ (external thread)
Pressure side connection	[inch]	Thread G 1 ½ (external thread)	[inch]	Thread G 1 ½ (external thread)
Weight	[kg]	5	[lb]	11
Filter housing		Plastic / stainless steel 1.4301 (AISI 304)		Stainless steel / plastic
Input DMX		1m BUS cable with DMX box		3.28 ft. BUS cable with DMX box
Input power		1m 24V power cable with power box		20 ft power cable without plug (R&D)
Number of DMX channels		2 channels (control channel, speed channel)		2 channels (control channel, speed channel)
Environmental conditions: submersible application	[°C]	Water temperature: min. 4 to max. 35	[°C]	Water temperature: min. 4 to max. 35
Environmental conditions: dry application	[°C]	Ambient temperature: max. 30°C with natural convection, max. 40 with forced convection, no direct sun exposure permitted	[°C]	Ambient temperature: max. 30°C with natural convection, max. 40 with forced convection, no direct sun exposure permitted
<b>Order no.</b>		<b>50665</b>		<b>57650</b>





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Varionaut 150/DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## VARIONAUT 150/DMX/02

The 230 Volt – alternating current – version of the Varionaut manages to connect to a Comet 10-12 T shoot to height of up to 3.50 m. Any single pump can be individually regulated and controlled by the DMX connection. With this dynamic water effects can be created easily.

The Varionaut 150/DMX/02 (50343) comes with a power connection cable of 10 m and a DMX cable of 1 m. With these special connection boxes, hand wiring is no longer necessary. This IP 68 waterproof, patented connection system makes the installation safer, easier and faster. Spotlights and other consumer loads (eg. LED

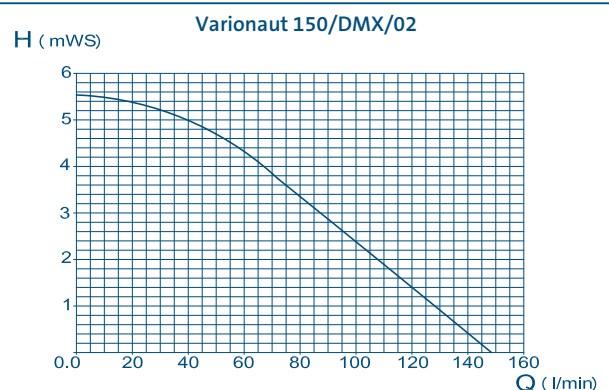
spotlights) can easily be connected to the DMX of the pump. The Varionaut 150/DMX/02 has a power consumption of 130 W and a power supply of AC 220-240V 50/60Hz.

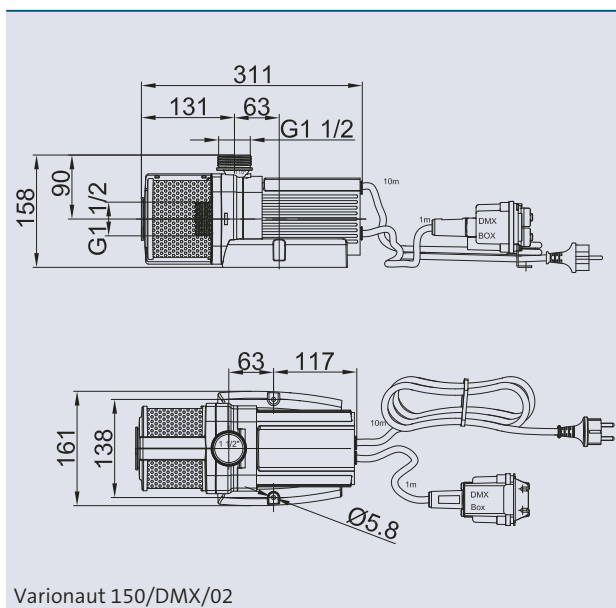
### Product characteristics at a glance

- 230V/AC fountain pump with alternating current for the application indoor and outdoor
- Suitable for wet or dry installation
- Power consumption of max. 130 W
- 10m power cable with plug and 1m DMX cable with DMX box (50343)
- IP 68 rated
- RDM-DMX capable



Varionaut 150/DMX/02





Varionaut 150/DMX/02

To operate the Varionaut 150 or Varionaut 2/A an OASE Easy Control or OASE WECS is required (not included).

**Accessories** (must be ordered separately)

<b>Comet 10-12 T</b> (see page 44)	<b>50968</b>
<b>Reducing Sleeve 15x10</b> (see page 245)	<b>51032</b>
<b>Connecting cable DMX/01</b> (see page 162)	<b>Order no.</b>
Connecting cable DMX/1.0 m/01	<b>12368</b>
Connecting cable DMX/3.0 m/01	<b>12369</b>
Connecting cable DMX/5.0 m/01	<b>12371</b>
Connecting cable DMX/10.0 m/01	<b>12372</b>
Connecting cable DMX/20.0 m/01	<b>12373</b>
End Resistant for Bus-System DMX/01	<b>12007</b>
<b>WECS II 512 / DMX/02</b> (see page 174)	<b>56491</b>
<b>WECS II 1024 / DMX/02</b> (see page 174)	<b>56492</b>
<b>WECS II 2048 / DMX/02</b> (see page 180)	<b>56507</b>

	Varionaut 150/DMX/02		Varionaut 150/DMX/02	
Motor Type/ Electronic	230 V EC-Motor, DMX controlled (DMX-RDM enabled)		230 V EC-Motor, DMX controlled (DMX-RDM enabled)	
Hmax	[m]	5.60	[ft]	18
Qmax	[l/min]	150	[gph]	2400
Power max.	[W]	130	[W]	130
Nominal current	[A]	1.37	[A]	1.37
Dynamic behaviour speed: (time to reach full fountain height from 0 – 100 %) with comet 5-8	[s]	1	[s]	1
Qmin (offset mode – DMX 0)	[l/min]	24	[gph]	380.4
Max. Powering up / min. Off time	[s]	1 x per minute / 10	[s]	1 x per minute / 10 s
Nominal voltage	[V/Hz]	220-240, 50/60	[V/Hz]	220-240, 50/60
Immersion depth max.	[m]	4	[ft]	13.10
Protection class		IP 68		IP 68
Dimensions incl. filter (LxWxH)	[mm]	311 x 161 x 158	[inch]	12.20 x 6.30 x 6.20
Suction side connection	[inch]	Thread G 1 ½ (external thread)	[inch]	Thread G 1 ½ (external thread)
Pressure side connection	[inch]	Thread G 1 ½ (external thread)	[inch]	Thread G 1 ½ (external thread)
Weight	[kg]	4.90	[lb]	11
Filter housing		Plastic / stainless steel 1.4301 (AISI 304)		Stainless steel / plastic
Input DMX		1 m BUS cable with DMX box		3.28 ft. BUS cable with DMX box
Input power		10 m power cable with plug		20 ft power cable without plug
Number of DMX channels		2 channels (control channel, speed channel)		2 channels (control channel, speed channel)
Environmental conditions: submersible application	[°C]	Water temperature: min. 4 to max. 35	[°C]	Water temperature: min. 4 to max. 35
Environmental conditions: dry application	[°C]	Ambient temperature: max. 30 with natural convection, max. 40 with forced convection, no direct sun exposure permitted	[°C]	Ambient temperature: max. 30°C with natural convection, max. 40 with forced convection, no direct sun exposure permitted
<b>Order no.</b>		<b>50343</b>		<b>57690</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Varionaut 270/DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## VARIONAUT 270/DMX/02

The new high dynamic fountain pump Varionaut 270 / DMX / 02 closes the gap between the existing Varionaut 150 and Varionaut 365. This energy-efficient pump can be regulated and controlled via the integrated DMX RDM port. This enables easy creation of individual and dynamic water effects.

The Varionaut 270 / DMX / 02 is equipped with a 10 m power cable with plug and two inbuilt DMX-RDM ports including capillary barrier. The pump is individually addressable and controllable. Other users (such as LED lights) which are connected to the second DMX-RDM port can be looped. The IP 68 waterproof, patented connection

system eliminates the need of manual wiring. The installation is safer, easier and faster.

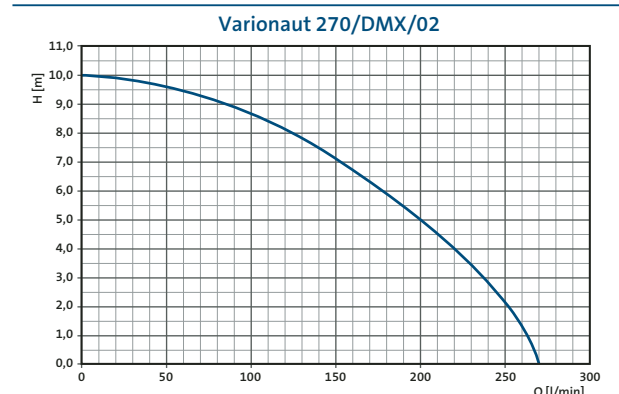
### Product characteristics at a glance

- High dynamic fountain pump
- Individual controllable closed loop speed control via DMX with continuous flow rate
- 230 V AC pump for indoor and outdoor
- Suitable for wet or dry installation
- Power consumption max. 380 W
- Without initial current
- 10 m power cable with plug
- 2 DMX RDM ports (1 x input/ 1 x output) directly at the pump
- Frost protected up to -20 ° C
- IP 68 rated
- DMX-RDM capable

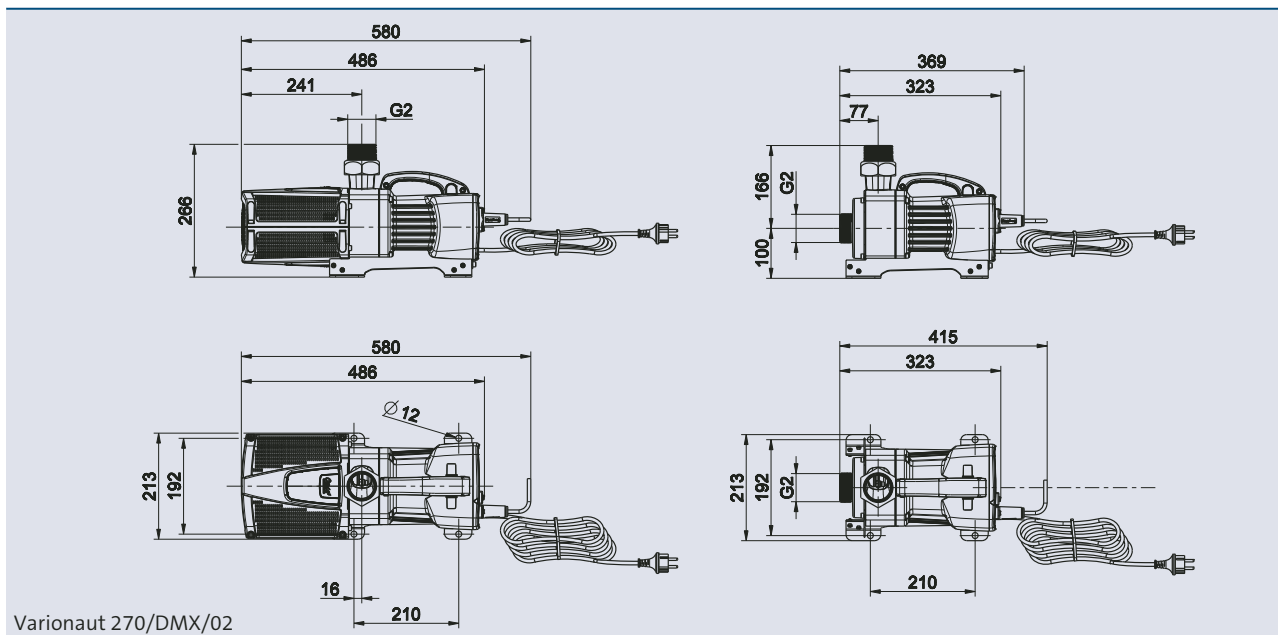
INNOVATION – MADE BY OASE



Varionaut 270/DMX/02







Varionaut 270/DMX/02

The DMX/RDM controlled Varionaut pump sends back information like temperature, rotation speed, voltage and runtime. The status requests of DMX/RDM allow remote diagnosis and remote maintenance. The Varionaut 270 requires only 380 W and runs with 220-240 V AC voltage at 50 as well as 60 Hz. is A DMX controller, e.g. a WECS II 512 / DMX/02/DMX/02, WECS II 1024 / DMX/02/DMX/02 or WECS II 2048 / DMX/02/DMX/02 server (not included), is required for operating the Varionaut pump.

**Accessories** (must be ordered separately)

<b>Cluster Eco 15-38</b> (see page 47)	45480
<b>Connecting cable DMX/01</b> (see page 162)	<b>Order no.</b>
Connecting cable DMX/1.0 m/01	12368
Connecting cable DMX/3.0 m/01	12369
Connecting cable DMX/5.0 m/01	12371
Connecting cable DMX/10.0 m/01	12372
Connecting cable DMX/20.0 m/01	12373
End Resistant for Bus-System DMX/01	12007
<b>WECS II 512 / DMX/02</b> (see page 174)	56491
<b>WECS II 1024 / DMX/02</b> (see page 174)	56492
<b>WECS II 2048 / DMX/02</b> (see page 180)	56507

		Varionaut 270 DMX/02
Motor Type/ Electronic		230V EC-Motor, DMX controlled (DMX-RDM enabled)
Hmax	[m]	10
Qmax	[l/min]	270
Power max.	[W]	380
Nominal current	[A]	1.9
Dynamic behaviour speed: (time to reach full fountain height from 0 – 100 %) with Komet 10-14	[s]	1
Qmin (offset mode – DMX 0)	[l/min]	10
Max. Powering up / min. Off time	[s]	1 x per minute / 10 s
Nominal voltage	[V/Hz]	220-240, 50/60
Immersion depth max.	[m]	4
Protection class		IP 68
Dimensions incl. filter (LxWxH)	[mm]	487 x 213 x 266
Suction side connection	[inch]	Thread G2 (external thread)
Pressure side connection	[inch]	Thread G2 (external thread)
Weight	[kg]	12.1
Filter housing		Plastic / stainless steel 1.4301 (AISI 304)
DMX connection		2 x (1 x input / 1 x output)
Input power		10 m power cable with plug
Number of DMX-channels		2 channels (control channel, speed channel)
Environmental conditions: submersible application	[°C]	Water temperature: min. 4 to max. 35
Environmental conditions: dry application	[°C]	Ambient temperature: max. 30 with natural convection, max. 40 with forced convection, no direct sun exposure permitted
<b>Order no.</b>		<b>40758</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Varionaut 365/DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## VARIONAUT 365/DMX/02

The Varionaut 365/DMX/02 is the most powerful DMX-RDM compatible pump. This individually controllable pump creates dynamic water effects and achieves thereby a maximum fountain height in only 1.8 secs.

The Varionaut 365/DMX/02 is supplied with an integrated power connection cable and a DMX/RDM connection box. This (Plug & Spray) eliminates the need for hand wiring. This IP 68 waterproof, patented connection system makes the installation safer, easier and faster. Lights and

other devices (e.g. LED lights) can be easily interconnected via the DMX/RDM cable. The DMX/RDM controlled Varionaut pumps send back information like running time and electronic temperature etc. to the control panel. These status signals enable remote diagnosis and remote maintenance. This is the service concept for the future. The Varionaut 365/DMX/02 can be regulated very precisely – the regulation level being lesser than 1 % of the total height.

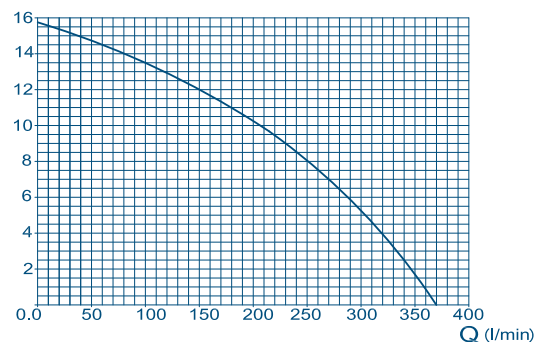
### Product characteristics at a glance

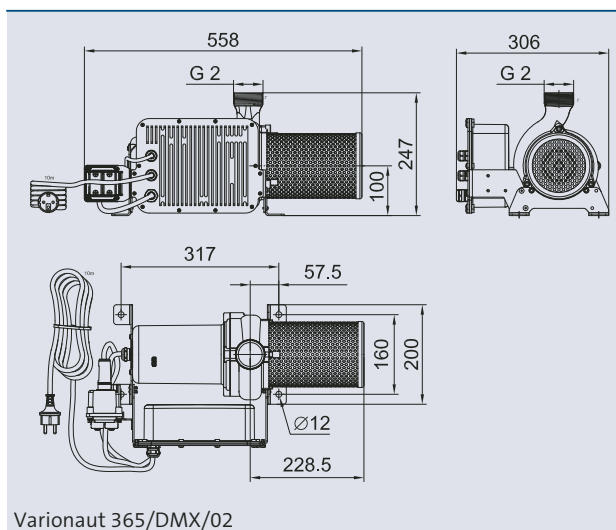
- Without initial current
- Continuously adjustable via DMX (flow rate)
- RDM/DMX - capable
- Suitable for wet or dry installation
- 10 m power cable with plug (6 ft power cable without plug)
- DMX connection box
- IP 68 protection



Varionaut 365/DMX/02

H (mWS) Varionaut 365/DMX/02





Varionaut 365/DMX/02

**Accessories** (must be ordered separately)

<b>Comet 10-14 T</b> (see page 44)	50969
<b>Comet 15-17 T</b> (see page 44)	50970
<b>Comet 15-20 T</b> (see page 44)	50971
<b>Comet 10-14 Silver</b> (see page 42)	50723
<b>Comet 15-17 Silver</b> (see page 42)	50724
<b>Rotating Nozzle 5-15 E</b> (see page 62)	50967
<b>Reducing Sleeve 15x10</b> (see page 245)	51032
<b>Reducing Sleeve 20x15</b> (see page 245)	51030
<b>Connecting cable DMX/01</b> (see page 162)	<b>Order no.</b>
Connecting cable DMX/1.0 m/01	12368
Connecting cable DMX/3.0 m/01	12369
Connecting cable DMX/5.0 m/01	12371
Connecting cable DMX/10.0 m/01	12372
Connecting cable DMX/20.0 m/01	12373
End Resistant for Bus-System DMX/01	12007
<b>WECS II 512 / DMX/02</b> (see page 174)	56491
<b>WECS II 1024 / DMX/02</b> (see page 174)	56492
<b>WECS II 2048 / DMX/02</b> (see page 180)	56507

	Varionaut 365/DMX/02		Varionaut 365/DMX/02	
Motor Type/ Electronic	230V EC-Motor, RDM/DMX controlled		230V EC-Motor, RDM/DMX controlled	
Hmax	[m]	16	[ft]	52
Qmax	[l/min]	365	[gph]	5700
Power max.	[W]	800	[W]	800
Nominal current	[A]	4	[A]	4
Dynamic behaviour speed: (time to reach full fountain height from 0 – 100 %) with Comet Prec 15-20	[s]	Response time approx. 1.8 s based on max. height. Step response <1% of the total fountain height?	[s]	Response time approx. 1.8 s based on max. height. Step response <1% of the total fountain height?
Qmin (offset mode – DMX 0)	[l/min]	45	[gph]	715
Max. Powering up / min. Off time	[s]	1 x per minute / 10 s	[s]	1 x per minute / 10 s
Nominal voltage	[V/Hz]	230, 50/60	[V/Hz]	230, 50/60
Immersion depth max.	[m]	4	[ft]	13.1
Protection class		IP 68		IP 68
Dimensions incl. filter (LxWxH)	[mm]	560 x 310 x 250	[inch]	22 x 12.20 x 9.84
Suction side connection	[inch]	thread G2 (internal thread)	[inch]	thread G2 (internal thread)
Pressure side connection	[inch]	thread G2 (external thread)	[inch]	thread G2 (external thread)
Weight	[kg]	17	[lb]	38
Filter housing		Tombac / stainless steel 1.4301 (AISI 304)		Tombac / stainless steel 1.4301 (AISI 304)
Filter surface	[cm <sup>2</sup> ]	approx. 1100	[sq.ft]	approx. 1.184
Pump housing		Brass Casting		Brass Casting
Input DMX		0.5 m BUS-cable with DMX box		1.64 ft. BUS-cable with DMX box
Input power		10 m power cable with plug		20 ft. power cable without plug
Number of DMX channels		2 channels (control channel, speed channel)		2 channels (control channel, speed channel)
Environmental conditions: submersible application	[°C]	Water temperature: min. 4 to max. 35	[°C]	Water temperature: min. 4 to max. 35
Environmental conditions: dry application	[°C]	Ambient temperature: max. 30°C with natural convection, max. 40 with forced convection, no direct sun exposure permitted.	[°C]	Ambient temperature: max. 30°C with natural convection, max. 40 with forced convection, no direct sun exposure permitted.
<b>Order no.</b>		<b>50526</b>		<b>56115</b>



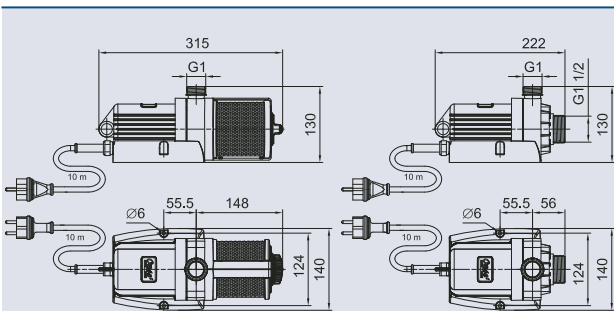


	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Aquarius Universal Premium													

# AQUARIUS UNIVERSAL PREMIUM 5000 – 12000

## Product characteristics at a glance

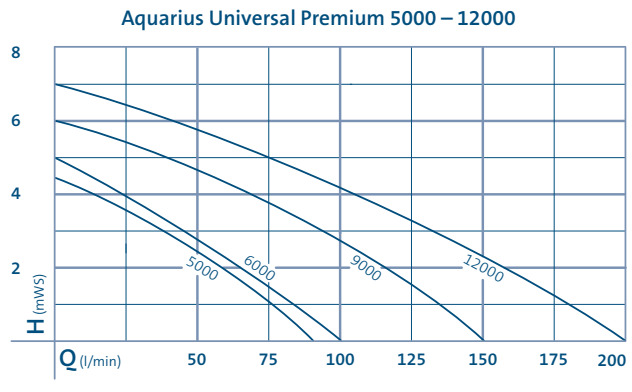
- Extremely quiet operation
- Easy adjustment of the flow rate
- Integrated thermal protection – from 600 onwards
- Suitable for wet or dry installations
- Energy-efficient thanks to low energy consumption
- Frost protected up to  $-20^{\circ}\text{C}$
- High-quality workmanship with stainless steel
- Priming even at low water levels
- Removable pedestal for installation where space is at a premium



Aquarius Universal Premium 5000/6000



Aquarius Universal Premium 5000



Aquarius Universal Premium	5000	6000	9000	12000
Dimensions (L x W x H) [mm]	315 x 140 x 130		337 x 161 x 158	
Rated voltage [V/Hz]	220–240 V / 50 Hz			
Power consumption [W]	85	110	195	270
Power cable length [m]	10			
Net weight [kg]	3.40	3.50	5.40	5.45
Max. flow rate [l/min]	83	100	150	200
Max. flow rate [l/h]	5000	6000	9000	12000
Max. head height [m]	4.50	5.00	6.00	7.00
Connection, pressure-side [inch]	1		1 ½	
Connection, suction-side [inch]	1 ½			
Connection for hoses [inch]	1, 1 ¼, 1 ½			
Filter intake surface [cm²]	200		223	
Electronic adjustment	Yes			
Order no.	56617	56637	56876	56879



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Atlantis 350													

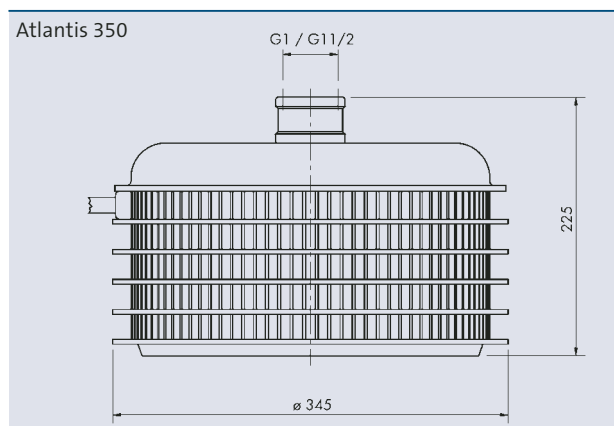
## ATLANTIS 350

This high-performance submersible water feature-/motor-driven pump has been specially designed for underwater operation in spray fountain installations. The use of high quality materials such as stainless steel, tombac, and glass-fibre reinforced materials underline its solid construction.

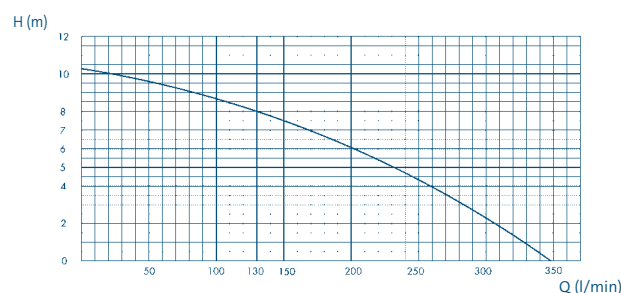
The pump has a robust wet-running canned motor and works without shaft seal. Motor, pump shaft and bearings are made of oxide ceramic, which contributes to endurance that is especially quiet with low friction.

### Product characteristics at a glance

- Symmetric form for maximum stability
- Robust wet-running canned motor
- High-volume filter basket made of high-quality plastic



Atlantis 350



Atlantis 350

Atlantis 350

Dimensions (ø x H)	[mm]	345 x 225
Rated voltage	[V/Hz]	230 / 50
Power consumption	[W]	550
Nominal current	[A]	2.60
Pressure side connection	[inch]	1, 1 ½
Filter surface	[cm²]	1325
Connection cable length	[m]	10
Material		Plastic / stainless steel 1.4301 (AISI 304)
Weight	[kg]	17
<b>Order no.</b>		<b>52004</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
AquaMax Eco Gravity													

## AQUAMAX ECO GRAVITY 10000/15000/20000

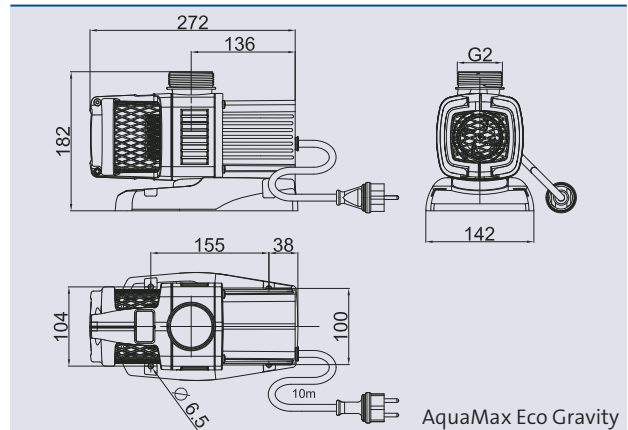
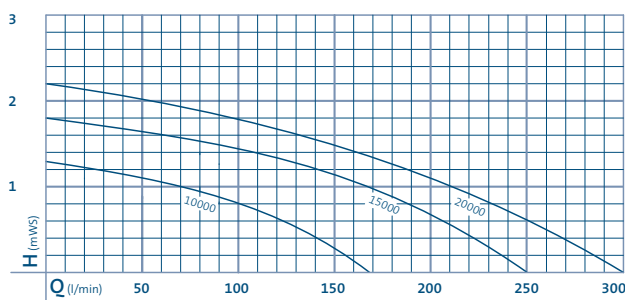
### Product characteristics at a glance

- Coarse pollutant displacement of particles up to 6 mm in size
- Flow-optimised impellers ensure a high-level of energy efficiency
- Long service life
- Suitable for wet or dry-installation

- Suitable for use in swim ponds and bathing ponds
- Includes adaptor set  
2"/DA 63 and DA 75/DA 100

Unique and highly economical filtration pumps: Especially developed to meet the requirements in gravity operated filter installations (gravitation principle).

AquaMax Eco Gravity 10000 – 20000



AquaMax Eco Gravity

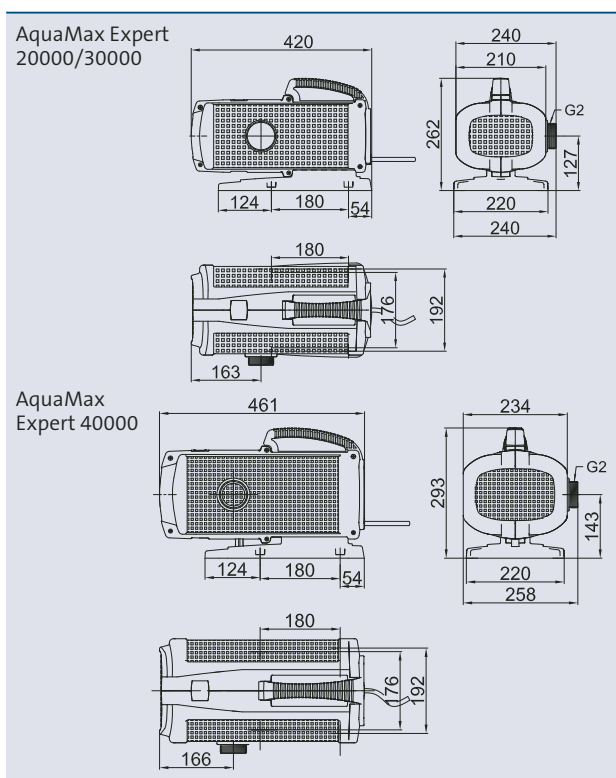
AquaMax Eco Gravity		10000	15000	20000
Dimensions (L x W x H)	[mm]	272 x 142 x 182		
Rated voltage	[V/AC]	220 – 240 V / 50 Hz		
Power consumption	[W]	65	85	120
Nominal current	[A]	0.57	0.41	0.54
Litres per minute max.	[l/min]	167	250	300
Litres per hour max.	[l/h]	10000	15000	18000
Head height max.	[m]	1.30	1.80	2.20
Pressure-side connection		2"	2"	2"
Suction-side connection		2"	2"	2"
Hose connection		2"	2"	2"
Weight	[kg]	4.20	4.50	4.50
Cable length	[m]	10.00	10.00	10.00
Order no.		57091	57092	57093





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
AquaMax Expert													

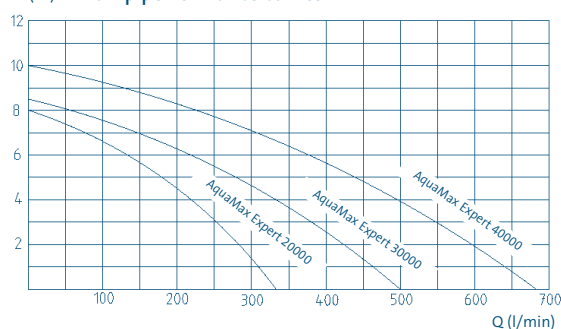
## AQUAMAX EXPERT 20000/30000/40000



### Product characteristics at a glance

- Outstanding flow rate
- Displacement of coarse particles up to 8 mm
- Extremely stable
- Can remain in the pond during winter even if frozen in completely
- Suitable for wet and dry installation
- Frost protected up to  $-20^{\circ}\text{C}$

H (m) Pump performance curves



AquaMax Expert		20000	30000	40000
Dimensions (L x W x H)	[mm]	420 x 240 x 260	461 x 258 x 293	
Rated voltage	[V/Hz]	220-240/50	220-240/50	220-240/50
Power consumption	[Watt]	450	650	1100
Nominal current	[A]	2.04	2.84	4.57
Flow rate max.	[l/min]	333	500	683
Flow rate max.	[l/h]	20000	30000	41000
Head height max.	[m]	8.00	8.50	10.00
Hose connection	[inch]	1 1/2", 2"		
Pressure side connection	[inch]	2"		
Suction side connection	[inch]	2"	2"	2 1/2"
Filter surface	[cm <sup>2</sup> ]	1320	1320	1620
Weight	[kg]	13.90	13.90	19.20
Cable length	[m]	10	10	10
<b>Order no.</b>		<b>56873</b>	<b>56874</b>	<b>56875</b>





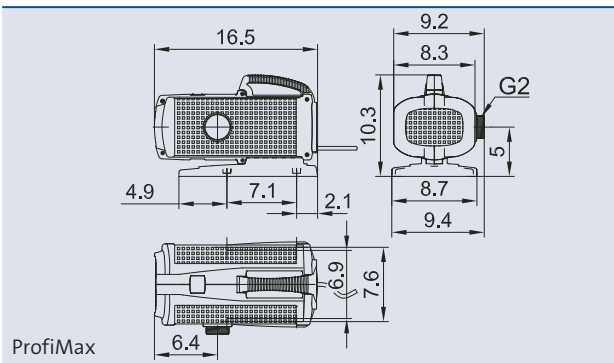
	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
ProfiMax 7000													

## PROFIMAX 7000

ProfiMax is ideal for larger installations that demand higher flow rates or applications where the pump might be exposed to debris in the water. ProfiMax excels under these conditions. In addition, ProfiMax can be converted for use in in-line installations. As with all OASE pumps its feature is state-of-the-art motor technology with built-in overheating protection.

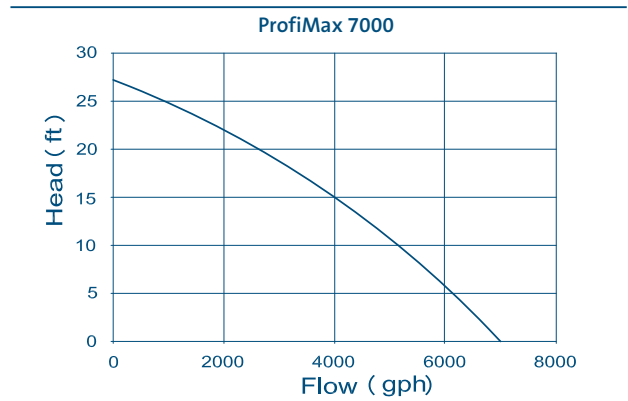
### Product characteristics at a glance

- Easily handles coarse debris up to 3/8 in.
- Large strainer size reduces maintenance.
- Ideal for large-scale filtration and water courses
- Submersed or in-line operation
- Electronically adjustable
- Frost protected up to  $-20^{\circ}\text{C}$



### Flexible operation

Rugged design allows for operation in a high flow skimmer such BioSys Skimmer XL or directly in the pond.



ProfiMax		7000
Flow Rate	[gph max.]	7000
Flow Rate	[gpm max.]	117
Head	[ft. max.]	28
Intake Connection	[inch]	2
Outlet Connection	[inch]	2
Strainer Surface	[sq. in.]	251
Power Consumption	[W/A]	660 / 5.50
Operating Voltage	[V/Hz]	110-120 / 60
Connection Cable	[ft.]	20
Dimensions	[LxWxH in.]	16.50 x 9.40 x 10.50
Weight	[lbs.]	33
<b>Order no.</b>		<b>50296</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Profinaut 6000													

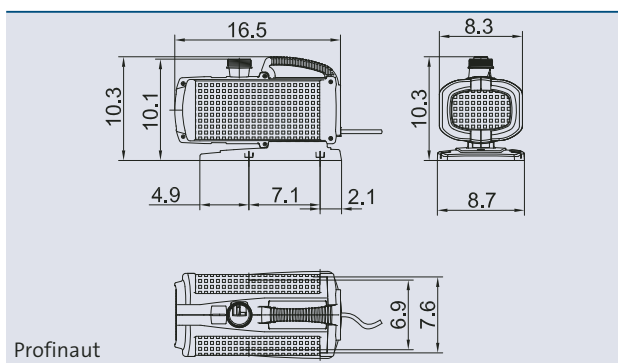
## PROFINAUT 6000

An excellent pump for producing impressive water displays in demanding applications. Head heights of up to 40 ft. make it a true powerhouse.

### Product characteristics at a glance

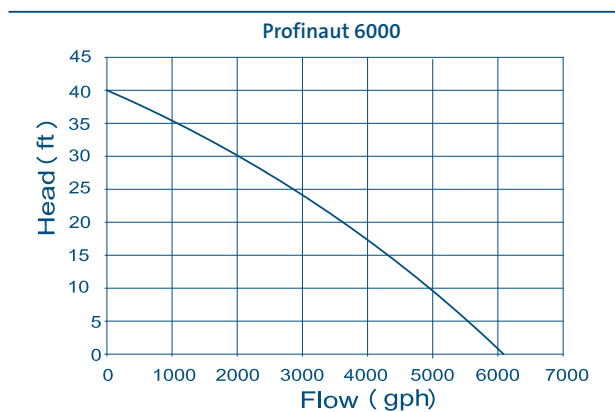
- Ergonomic handle, aligned with the pump's center of gravity, facilitates transport and installation.

- Compact, innovative stainless steel design.
- Frost protected up to  $-20^{\circ}\text{C}$
- Suitable for wet and dry installations
- Includes adapter set for connecting all 1 in. and 1 1/2 in. nozzles from the OASE range.
- Highly stable with excellent performance.



### Versatile application

Up to three Profinaut pumps can be installed in a BioSys Skimmer XL for very high water circulation volume and skimming action.



Profinaut		6000
Flow Rate	[gph max.]	6100
Flow Rate	[gpm max.]	102
Head	[ft. max.]	40
Outlet Connection	[inch]	2
Strainer Surface	[sq. in.]	256
Power Consumption	[W/A]	720 / 6.1
Operating Voltage	[V/Hz]	110-120 / 60
Power Cable	[ft.]	20
Dimensions	[LxWxH in.]	17 x 10 x 11
Weight	[lbs.]	33
<b>Order no.</b>		<b>57097</b>





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
USP 412 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
USP 413 D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
USP 512 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
USP 513 D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
USP 662 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
USP 663 D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
USP 813 D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
USP H 673 D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## USP 412 – USP 813

These pumps are true universal talents: Set up underwater they perform their work as submersible motor-driven pumps. They work just as reliably if they are set up in a separate pump chamber.

The robust wet-running canned motors have static seals. Inrushing water poses no problem for these pumps because they can be submersed. In addition thanks to the high-quality materials, such as special ceramics, stainless steel, and tombac, they are durable and offer an extremely long service life.

### Product characteristics at a glance

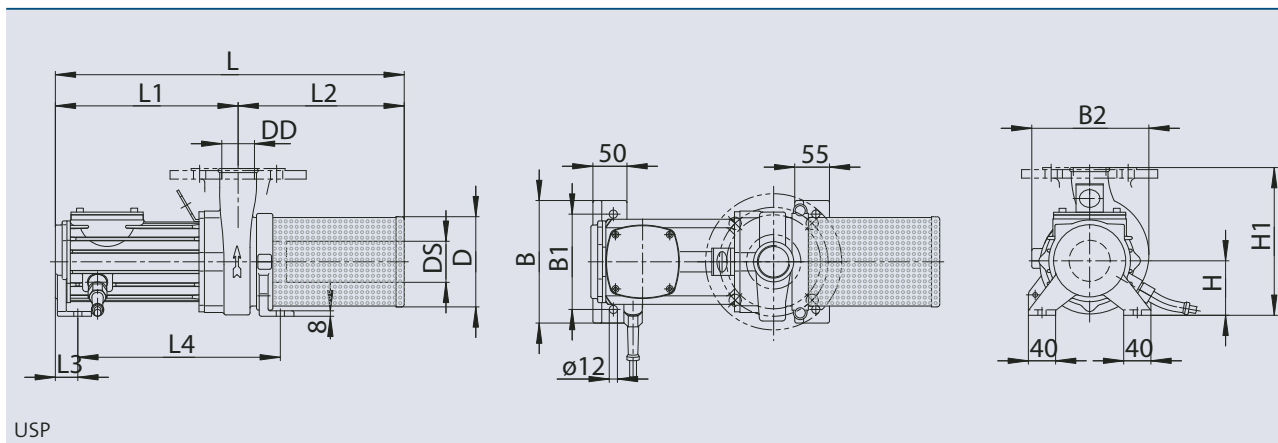
- Suitable for wet and dry installations
- Robust wet-running canned motor
- Wear-free static seals
- Bearings and motor shaft are made of special ceramics
- Shaft, can and pump impeller are made of stainless steel
- Housing made of corrosion resistant tombac alloy



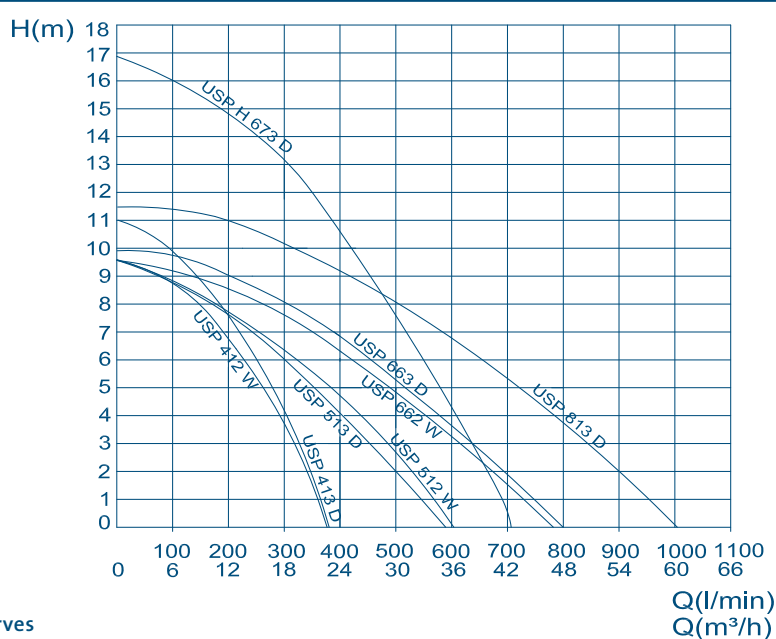
USP 412 W



USP 813 D



USP



Pump performance curves

	USP 412 W	USP 413 D	USP 512 W	USP 513 D	USP 662 W	USP 663 D	USP 813 D	USP H 673 D
Dimensions (LxWxH) [mm]	512 x 180 x 220	512 x 180 x 220	551 x 240 x 280	551 x 240 x 280	679 x 240 x 310	679 x 240 x 310	696 x 240 x 290	679 x 240 x 310
Voltage [V/Hz]	1x 230/50	3x 400/50	1x 230/50	3x 400/50	1x 230/50	3x 400/50	3x 400/50	3x 400/50
Power output [kW]	0.52	0.49	0.60	0.77	1.12	1.18	1.50	1.55
Current [A]	2.20	0.95	3.30	1.30	4.70	2.10	2.90	3.10
B [mm]	180	180	240	240	240	240	240	240
B1 [mm]	140	140	200	200	200	200	200	200
B2 [mm]	178	178	210	210	230	230	255	230
DD [inch]	1 ½	1 ½	2	2	2 ½	2 ½	DN 80	2 ½
DS [inch]	2	2	2 ½	2 ½	3	3	3	3
D [mm]	130	130	150	150	170	170	200	170
H [mm]	80	80	115	115	115	115	115	115
H1 [mm]	220	220	280	280	310	310	290	310
L [mm]	512	512	551	551	679	679	696	679
L1 [mm]	268	268	252	252	305	305	308	305
L2 [mm]	244	244	299	299	374	374	388	374
L3 [mm]	33	33	36	36	36	36	36	36
L4 [mm]	297	297	285	285	330	330	347	330
Cable length [m]	10							
Material	Tombac / stainless steel 1.4301 / Brass (AISI 304)							
Weight [kg]	22	22	31	31	37	37	42	37
Order no.	55721	55720	55727	55726	55732	55731	55735	56506



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
BT 2.2 - 40 to BT 22.0 - 125 IE3													

## BT 2.2-40 TO BT 22.0-125 IE3

BT block centrifugal pumps are strong, uncomplicated pumps that are used wherever space is limited.

### Product characteristics at a glance

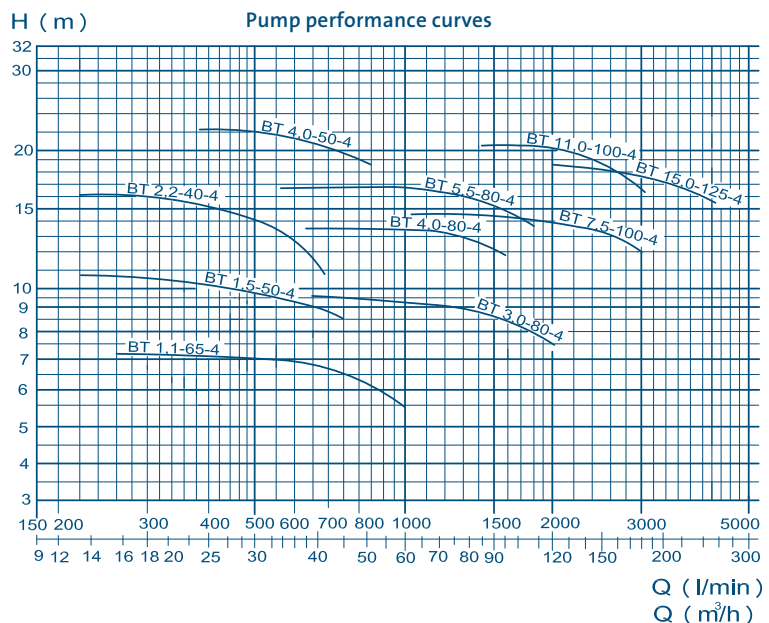
- Dimensions and connections in accordance with DIN standards
- Motor in accordance with new IE3-Technologie
- Maintenance-free slide ring seal
- Enclosed impeller with high efficiency
- Dry installation only
- IP 55 rated

Thanks to their compact design they have very small space requirements. All dimensions and connections are DIN standard; this ensures universal implementation. BT block centrifugal pumps are normal suction centrifugal pumps in spiral housings for dry installation with a motor in accordance with IEC standards. They comprise few parts that are important for their function, which reduces maintenance work to a minimum.



**NEW**

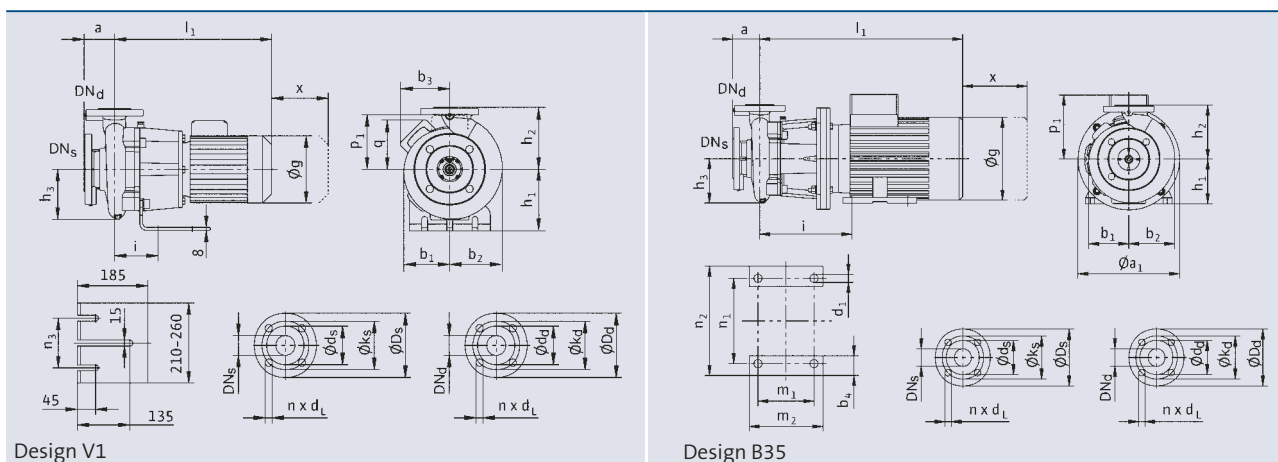
BT 2.2-40-4





The few maintenance tasks that are necessary are executed quickly and easily. Thanks to the low rpm the pumps are very quiet in operation and are more durable. The enclosed impeller is highly efficient.

The robust BT block centrifugal pumps are delivered as standard in grey cast iron. Upon request these pumps can also be delivered in special materials, such as an impeller as bronze.



IE 3		2.2-40-4	1.5-50-4	4.0-50-4	1.1-65-4	3.0-80-4	4.0-80-4	5.5-80-4	7.5-100-4	11.0-100-4	15.0-125-4
Dimensions (LxWxH)	[mm]	611x360x296	556x340x274	696x405x360	564x360x298	653x385x356	733x450x367	789x382x367	795x412x410	832x440x432	1011x515x514
Power output	[kW]	2.20	1.50	4	1.10	3	4	5.50	7.50	11	15
Current	[A]	4.90	3.60	8.20	2.30	6.50	8.20	11.10	14.90	22.00	29.80
Voltage	[V/50 Hz]	400	400	400	400	400	400	400/YD	400/YD	400/YD	400/YD
Design		V1	V1	V1	V1	V1	V1	B35	B35	B35	B35
DN5	[mm]	65	65	65	80	100	100	100	125	125	150
DNd	[mm]	40	50	50	65	80	80	80	100	100	125
a	[mm]	100	100	100	100	125	125	125	125	140	140
a1	[mm]							300	300	350	350
b1	[mm]	145	127	174	136	160	170	170	176	200	252
b2	[mm]	151	147	186	162	196	197	197	211	232	294
b3	[mm]		144		144	155					
b4	[mm]							53	53	60	60
d1	[mm]							12	12	15	15
g	[mm]	217	193	246	193	220	246	276	312	312	312
h1	[mm]	180	160	200	160	180	200	132	132	160	180
h2	[mm]	180	180	225	200	225	250	250	280	280	355
h3	[mm]	145	152	179	155	178	178	178	196	219	250
i	[mm]	124	122	131	130	137	143	318	311	383	345
l1	[mm]	512	455	621	463	528	633	663	698	745	831
n3	[mm]	180	130	180	130	130					
m1	[mm]							140	178	210	254
m2	[mm]							180	218	256	300
n1	[mm]							216	216	254	254
n2	[mm]							256	256	300	300
p1	[mm]	160		188			188	188	250	250	250
q	[mm]		144		144	155					
x	[mm]	105	120	110	120	135	120	120	120	130	170
Ds	[mm]	185	185	185	200	220	220	220	250	250	285
ks	[mm]	145	145	145	160	180	180	180	210	210	240
ds	[mm]	118	118	118	132	156	156	156	184	184	211
ns	[mm]	4	4	4	8	8	8	8	8	8	8
dLs	[mm]	19	19	19	19	19	19	19	19	19	23
Dd	[mm]	150	165	165	185	200	200	200	220	220	250
kd	[mm]	110	125	125	145	160	160	160	180	180	210
dd	[mm]	84	99	99	118	132	132	132	156	156	184
nd	[mm]	4	4	4	4	8	8	8	8	8	8
dLd	[mm]	19	19	19	19	19	19	19	19	19	19
Material		GG	GG	GG	GG	GG	GG	GG	GG	GG	GG
Weight	[kg]	76	60	96	61	95	106	143	156	215	245
Order no.		45305	45306	45307	45308	45309	45310	45311	45312	45313	45314



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
SPA 22 - SPA 280													

\* Pool-, seawater product version on request

## SPA 22 - SPA 280

These multistage structured submersible motor-driven pumps are the powerful heart for high delivery heads.

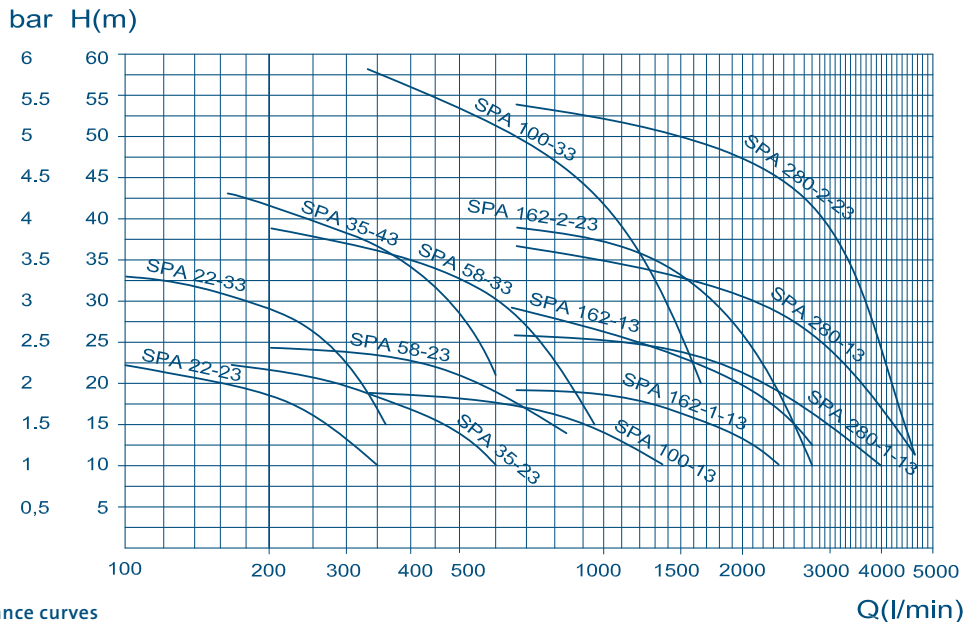
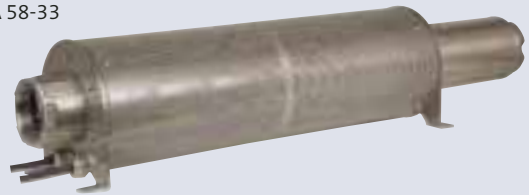
These pumps can supply single fountains as well as group fountains with sufficient water volumes and pressure for larger spray heights. Thus they are preferred in installations in which the delivery head of single-stage pumps are no longer required.

\*Contact OASE before ordering a Pool or a Sea Water SPA pump. Technical specifications of this model (58903) may vary.

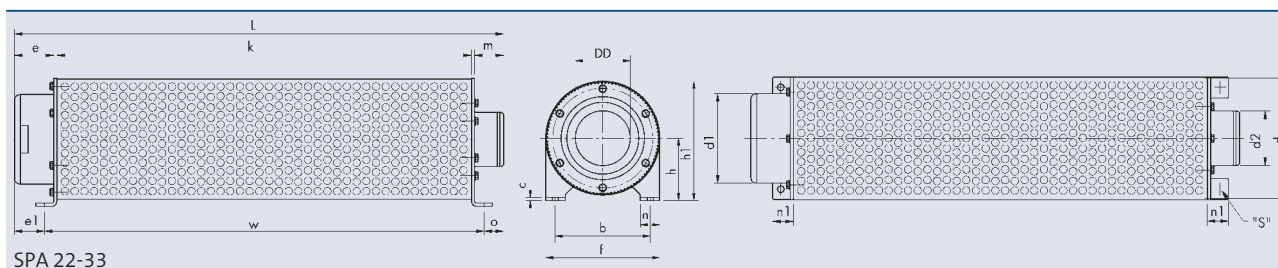
### Product characteristics at a glance

- Extremely shallow and slender design
- Multistage submersible motor pump
- Suitable for higher delivery heights
- High-volume filter basket
- Good stability
- Robust wet-running canned motor
- All parts made of stainless steel

SPA 58-33



Pump performance curves



SPA 22-33

	SPA 22-23	SPA 22-33	SPA 35-23	SPA 35-43	SPA 58-23	SPA 58-33	SPA 100-13
Dimensions (LxWxH) [mm]	680x225x229	888x225x229	898x225x229	1211x225x229	970x225x229	1150x225x229	1162x310x314
Voltage [V/Hz]	3 x 400/50						
Power output [kW]	1.10	2.20	2.20	4.0	3	5.50	5.50
Current [A]	2.75	6	6	9.6	7.85	13.60	13.60
b [mm]	189	189	189	189	189	189	274
c [mm]	4	4	4	4	4	4	4
DD (Rp) [inch]	2.5	2.5	3	3	3	3	5
d [mm]	225	225	225	225	225	225	310
d1 [mm]	131	131	131	131	141	150	186
d2 [mm]	95	95	95	95	95	138	138
e [mm]	80	80	80	80	100	100	120
e1 [mm]	57	57	57	57	77	77	97
f [mm]	229	229	229	229	229	229	314
h [mm]	123	123	123	123	123	123	165
h1 [mm]	237	237	237	237	237	237	322
k [mm]	500	500	500	750	750	750	750
L [mm]	680	888	898	1211	970	1150	1162
m [mm]	92	300	310	373	112	292	284
n [mm]	40	40	40	40	40	40	40
n1 [mm]	44	44	44	44	44	44	44
o [mm]	69	277	287	350	89	269	261
w [mm]	554	554	554	804	804	804	804
s [mm]	11	11	11	11	11	11	11
Cable length [m]	10						
Material	Stainless steel 1.4301 (AISI 304)						
Weight [kg]	20	28	28	37	31	54	66
Order no.	53834	53835	53839	53841	53845	53846	53852
	SPA 100-33	SPA 162-1-13	SPA 162-13	SPA 162-2-23	SPA 280-1-13	SPA 280-13	SPA 280-2-23
Dimensions (LxWxH) [mm]	1508x310x314	1165x310x314	1255x310x314	1441x310x314	1489x310x314	1544x310x314	1910x310x314
Voltage [V/Hz]	3x 400/50						
Power output [kW]	11	7.50	11	13	15	18.50	30
Current [A]	24.80	17.60	24.80	30	34	42	66.50
b [mm]	274	274	274	274	274	274	274
c [mm]	4	4	4	4	4	4	4
DD (Rp) [inch]	5	6	6	6	6	6	6
d [mm]	310	310	310	310	310	310	310
d1 [mm]	186	218	218	218	247	247	247
d2 [mm]	138	138	138	138	138	138	138
e [mm]	120	120	120	120	120	120	120
e1 [mm]	97	92	92	92	96	96	96
f [mm]	314	314	314	314	314	314	314
h [mm]	165	165	165	165	165	165	165
h1 [mm]	322	322	322	322	322	322	322
k [mm]	1000	750	750	1000	1000	1250	1500
L [mm]	1508	1165	1255	1441	1489	1544	1910
m [mm]	380	287	377	313	361	166	282
n [mm]	40	40	40	40	40	40	40
n1 [mm]	44	44	44	44	44	44	44
o [mm]	357	269	359	295	339	144	260
w [mm]	1054	804	804	1054	1054	1304	1554
s [mm]	11	11	11	11	11	11	11
Cable length [m]	10						
Material	Stainless steel 1.4301 (AISI 304)						
Weight [kg]	91	85	93	103	104	111	132
Order no.	53854	53858	53859	53860	53864	53865	53866



# LED & HALOGEN LIGHTING



## LED and Halogen lighting

The play of light and shadow has exercised a very special attraction since time immemorial. At night, when the surroundings fade into the darkness, water installations and fountains unfold their unique beauty and come into their own even more intensively in the dark environment.

With the innovative, controllable LED lighting and the classic halogen lighting, OASE offers the right light for every situation. The new generation of LED RGB lights are controlled via DMX/RDM and transmits information back to the control cabinet, e.g. runtime and temperature of the electronics.

These status queries enable remote diagnostics and remote maintenance. This is the service concept of the future.

With the lighting technology from OASE you have everything that you need for effect-rich light installations.

- Underwater spotlights for water installations, fountains and floating fountains
- Innovative LED technology for high light yield at low energy consumption
- Switched power supply units and cables for use underwater use, as well as the appropriate installation material ensure a professional installation.
- The new LED Stripe for individual pool and edge illumination, see page 142.



## 118 LED Technology

### 118 RGB-LED light

- 118 ProfiLux LED 110
- 120 ProfiLux LED 320
- 122 ProfiLux LED Spot 1500
- 124 ProfiLux LED Flood 1500
- 126 ProfiPlane LED 110
- 128 ProfiPlane LED 320
- 130 ProfiRing LED 320

### 132 Neutral white light

- 132 ProfiLux LED 350
- 134 ProfiLux LED 1100/01
- 136 ProfiLux LED Spot 2200/01
- 138 ProfiLux LED Flood 2200/01
- 140 ProfiLux 370 LED 01
- 140 LunAqua 10 LED 01
- 142 LED-Stripe

## 144 Halogen spotlights

- 144 ProfiLux E 101 Halogen
- 144 LunAqua 10 Halogen
- 146 LunAqua 5.1
- 146 UWS TN 508
- 148 UWS TS 111
- 149 Freestand Light
- 150 Lamp Holder
- 151 LED-Module II

### AKASYA SHOPPINGMALL | STANDORT: ISTANBUL/TURKEY

Musical fountains at the famous Akasya Shopping Mall. Vertical and music controlled nozzles with laser and light systems create impressive water patterns.



ProfiPlane LED 110/DMX/02



ProfiRing LED 320/DMX/02



ProfiLux LED Spot 1500/DMX/02



## LED LIGHTS

OASE offers a range of white and coloured LED lights.

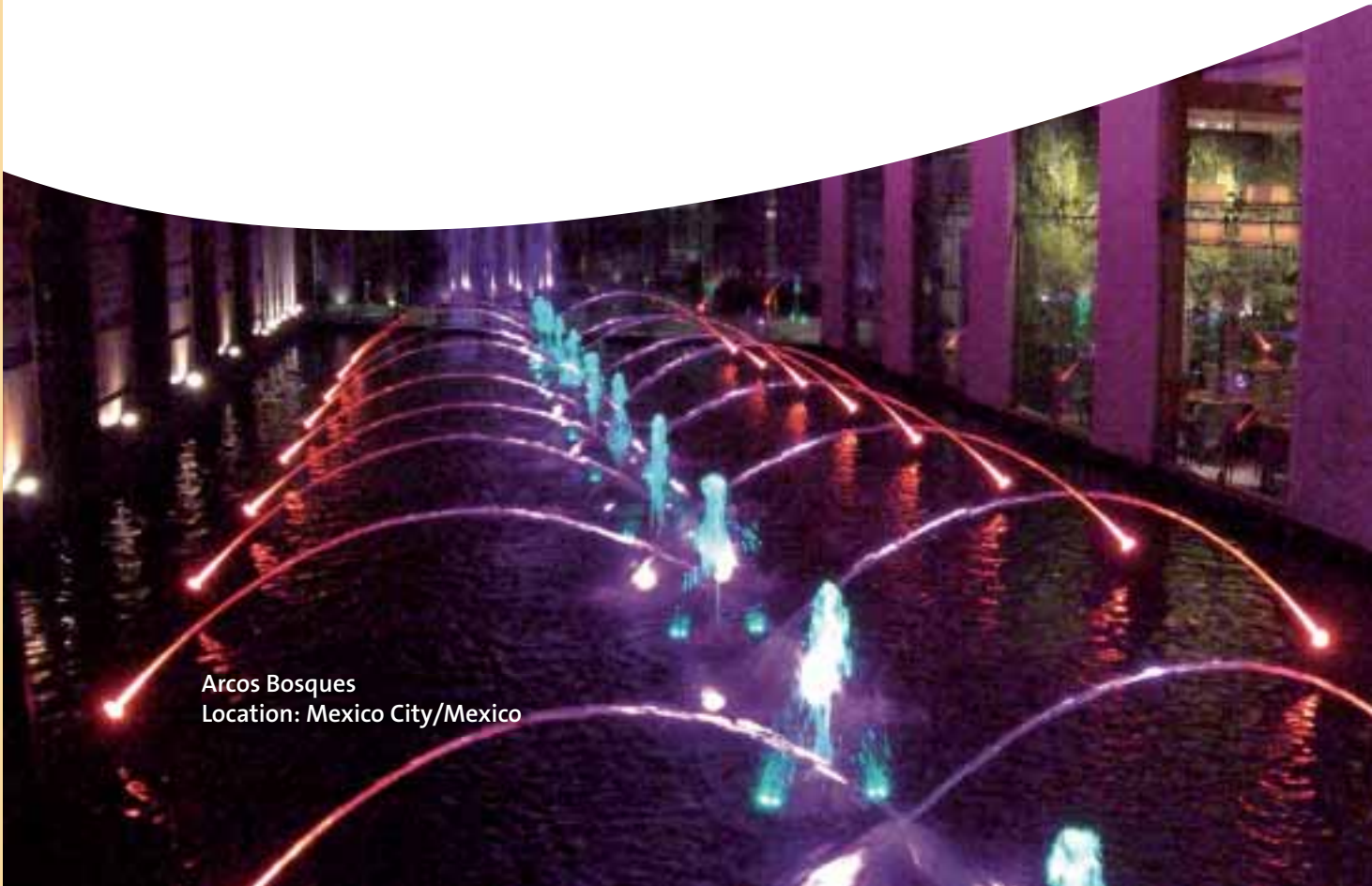
The full range of LED lights are designed for 24 V underwater technology and IP68 protection degree. The white LED lights – ProfiLux 370 and LunaAqua 10 LED – can also be operated with 12 V.

The coloured LED-lights are controlled via DMX RDM. They are supplied in a stainless steel housing suitable for salt water connected to a patented plug connection system.

These lights are available in different beam angles and designs: ProfiLux, ProfiRing, ProfiPlane.

- ProfiLux: LED-light with holder
- ProfiRing: LED with a hole in the middle for nozzle
- ProfiPlane: LED light for floor and wall mounting

Individual solutions are also available on request.



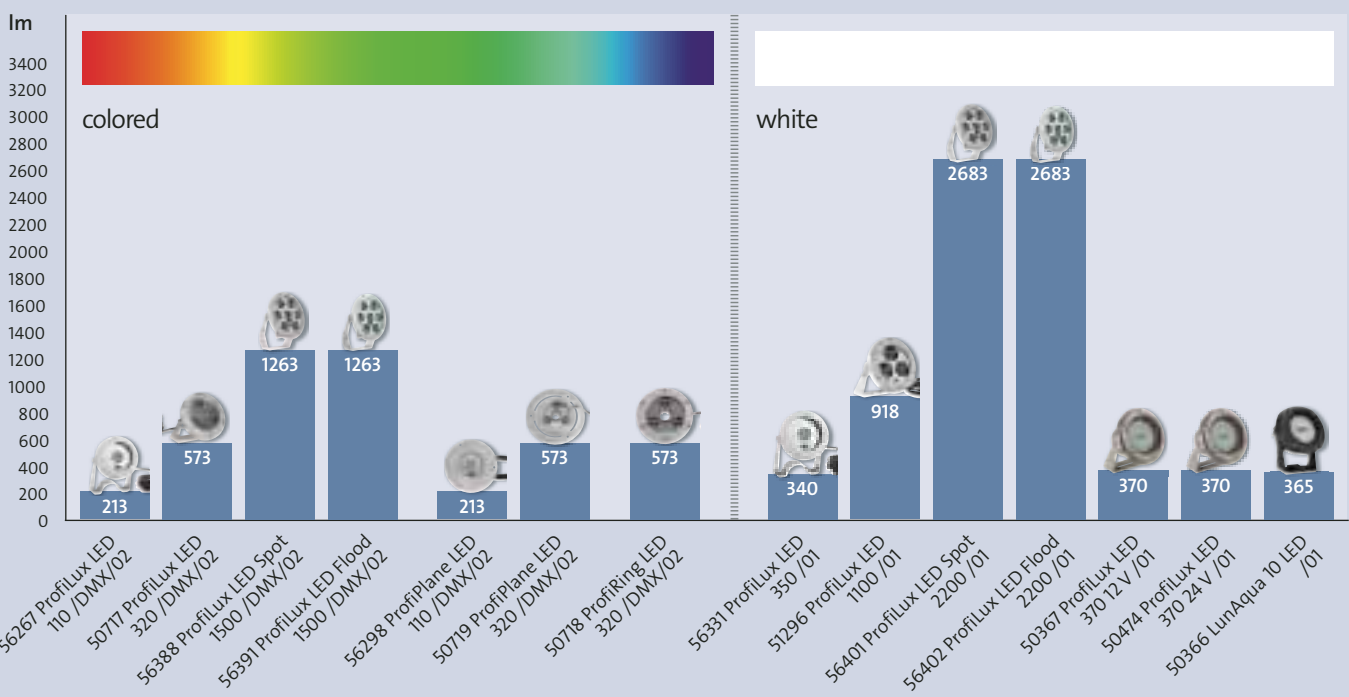
Arcos Bosques  
Location: Mexico City/Mexico





## Overview

This overview can be helpful for the selection of the right LED-light. Please refer to the product pages for further details.





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
ProfiLux LED 110	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## PROFILUX LED 110/DMX/02

The ProfiLux LED 110/DMX/02 is the new, tiny, compact and powerful RGB-LED light with 213 lumen and a beam angle of 25°.

The compact LED-light ( $\varnothing = 75, 2 \text{ mm}$ ) has a high quality stainless steel housing and is suitable for fresh water, pool water and sea water application (for definition see page 246). Equipped with a temperature control and a thermal protection, the LED light can also be installed dry. The lifetime of these lights is up to 100,000 h.\*

The light is supplied with a bracket for ground installation as well as for nozzle tube mounting (designed for socket 10 (51018)). The RGB-LED light has a 1 mtr. long connecting cable with a waterproof hybrid (power/data) connector. The ProfiLux LED light can be controlled via DMX with the underwater LED Driver/

DMX/02 (50720) (not in scope of supply). The basic colours of the LED-RGB-lights are measured individually for their brightness. The LED-Driver ensures equal brightness for all lights in the system, thereby creating a homogeneous colour combination.

### Product characteristics at a glance

- Energy efficient LED-RGB-light with bracket for ground installation and nozzle tube mounting.
- 213 Lumen with a beam angle of 25°, max. 6 Watt
- Temperature controlled high quality LED for an extra-long life of up to 100,000 h.\*
- Wet and dry installation – water proof in accordance with IP68
- For fresh water, pool water and sea water
- External electronic in a separate control box / junction box – waterproof connector, easy to connect.
- DMX/RDM-capable in combination with the Underwater LED Driver/DMX/02 (50720)
- Individual measurement of the basic colours of the LED-RGB lights and the use of the Underwater LED Driver/DMX/02 (50720) guarantees equal brightness of all lights in the system and a homogeneous colour combination.
- Galvanic isolation between the DMX and 24V DC power
- Stroboscope effect, synchronised via DMX

\*In case of underwater application, an intelligent heat management and quality LED enables a lifetime of up to 100.000 hrs. This claim does not entitle to a guarantee.

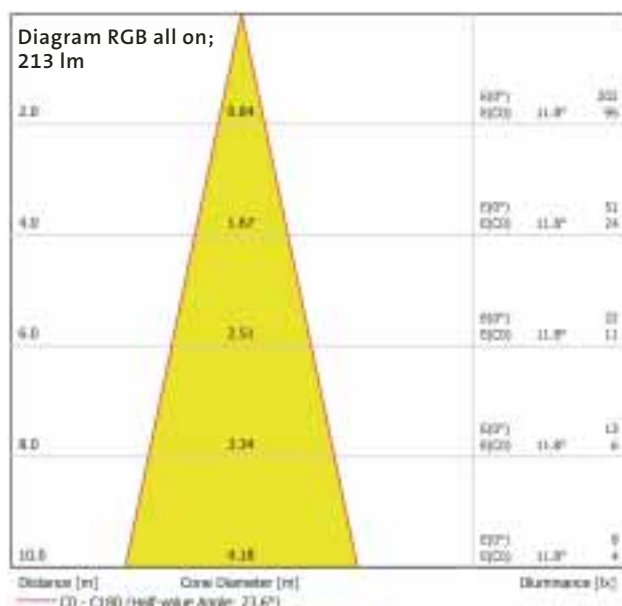


ProfiLux LED 110/DMX/02

The variety of colour combinations and the stroboscope effect reveal their full effect in combination with dynamic water effects which can be generated, for eg. , with the Vario-Switch or the Varionaut pumps. Together, they create completely new compositions on open spaces and in fountains. The Underwater LED Driver/DMX/02 (see page 166) is required for a DMX/RDM-capable application of the ProfiLux LED light. In addition a RDM-capable controller, like WECS II (WECS II 512, WECS II 1024 or WECS II 2048, see page 174-182), is also needed.

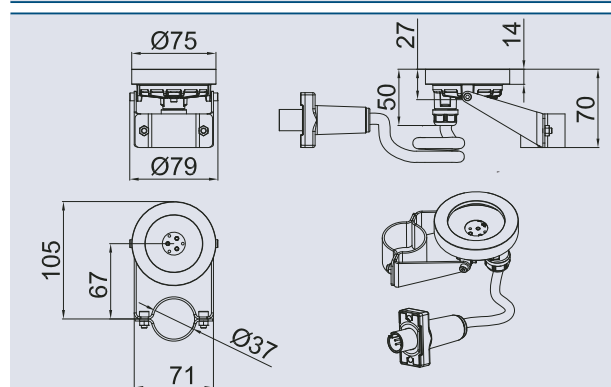
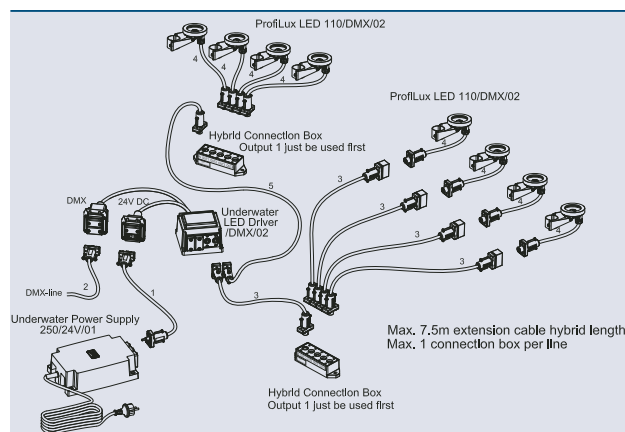
The ProfiLux-LED light has a 1 mtr. long connecting cable with a hybrid connector for connecting it to the Underwater LED Driver/DMX/02. A 3.0 mtr. or 7.5 mtr. hybrid extension cable per light can be used for extending the connection

(see page 164). Up to 4 LEDs can be individually controlled with this external Underwater LED-Driver. The Underwater LED Driver/DMX/02 is equipped with two connection boxes – one for the power supply with 24V DC and the other one for a DMX/RDM-data cable. The special connection technology makes a watertight pluggable cabling possible. The use of the hybrid connection box can lead to an economic advantage of the system. The lights which are connected to the hybrid box always have the same colour. (see system diagram.)



#### Accessories (must be ordered separately)

Extension cable hybrid / 3.0 m (see page 164)	50728
Extension cable hybrid / 7.5 m (see page 164)	56403
Hybrid connection box (see page 164)	56404
Underwater LED Driver (see page 166)	50720
<b>Connecting cable DMX/01 (see page 162)</b>	<b>Order no.</b>
Connecting cable DMX/1.0 m/01	12368
Connecting cable DMX/3.0 m/01	12369
Connecting cable DMX/5.0 m/01	12371
Connecting cable DMX/10.0 m/01	12372
Connecting cable DMX/20.0 m/01	12373
End Resistant for Bus-System DMX/01	12007
<b>Connecting cable 24V DC/01 (see page 160)</b>	<b>Order no.</b>
Connecting cable 24V DC /1.0 m/01	12762
Connecting cable 24V DC /3.0 m/01	12552
Connecting cable 24V DC /7.5 m/01	12553
Connecting cable 24V DC /15.0 m/01	11720
<b>PowerBox 24 V DC / 01 (see page 160)</b>	<b>50493</b>
<b>Underwater power supply 250 / 24 V / 01 (see page 170)</b>	<b>50733</b>
<b>WECS II 512 / DMX/02 (see page 174)</b>	<b>56491</b>
<b>WECS II 1024 / DMX/02 (see page 174)</b>	<b>56492</b>
<b>WECS II 2048 / DMX/02 (see page 180)</b>	<b>56507</b>



DMX-Channel	Function
Channel 1	red
Channel 2	green
Channel 3	blue
Channel 4	strobe

ProfiLux LED 110/DMX/02		
Luminous flux all on	[lm]	213
Luminous flux red	[lm]	64
Luminous flux green	[lm]	114
Luminous flux blue	[lm]	35
Beam angle	[°]	25 (± 2)
Strobe effect	[Hz]	0-25
Energy efficiency category		A
Weighted energy consumption [kWh/1000h]		6.6
Rated voltage	[V/DC]	24
Power consumption	[W]	6
Rated current	[A]	0.26
Dim frequency	[Hz]	2800
Power connection type		Hybrid plug
Cable length	[m]	1
Protection class		IP 68
Dimensions (Ø x h)	[mm]	75.2 x 70
Material		Stainless steel 1.4404 (AISI 316L)
Weight	[kg]	0.48
<b>Order no.</b>		<b>56267</b>





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Profilux LED 320	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## PROFILUX LED 320/DMX/02

The Profilux RGB LED-light is the new innovative illumination technology from OASE; DMX/RDM cable for higher fountains.

This LED-RGB light comes with high-quality stainless steel housing for fresh-, pool and saltwater (definition see on page 246). These LED-light have temperature regulation and overheating protection so that dry installation also possible. They have a lifetime up to 100.000h.\*

The basic colours of the LED-RGB-lights are each measured for their brightness. Our OASE LED-Driver (see page 166) ensures equal brightness for all lights in the system, thereby creating a homogeneous colour combination.



Profilux LED 320/DMX/02

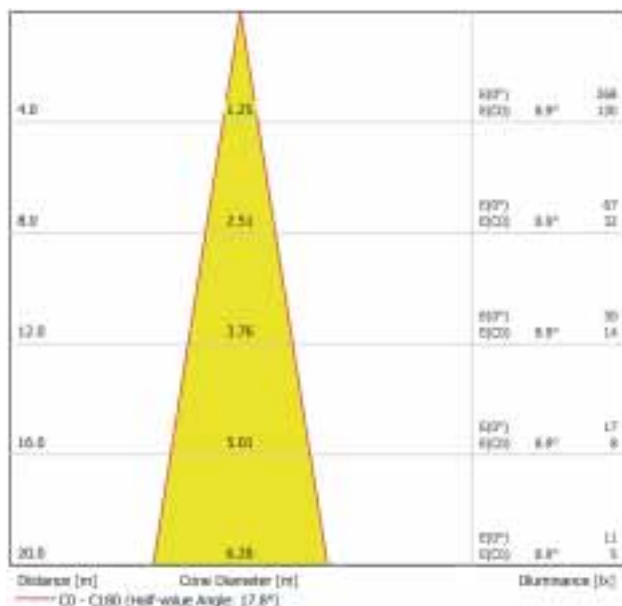
### Product characteristics at a glance

- Energy efficient LED-RGB-light with mounting bracket and fine adjustment.
- 573 Lumen with a narrow beam angle of 16°, max. 16 Watt
- Temperature controlled high quality LED for an extra-long life of up to 100,000 h.\*
- Wet and dry installation – water proof in accordance with IP68
- For fresh water, pool water and sea water
- External electronic in a separate control box / junction box – waterproof connector, easy to connect.
- DMX/RDM-capable in combination with the Underwater LED Driver/DMX/02 (50720)
- Individual measurement of the basic colours of the LED-RGB lights and the use of the Underwater LED Driver/DMX/02 (50720) guarantees equal brightness of all lights in the system and a homogeneous colour combination.
- Galvanic isolation between the DMX and 24V DC power

\*In case of underwater application, an intelligent heat management and quality LED enables a lifetime of up to 100.000 hrs. This claim does not entitle to a guarantee.

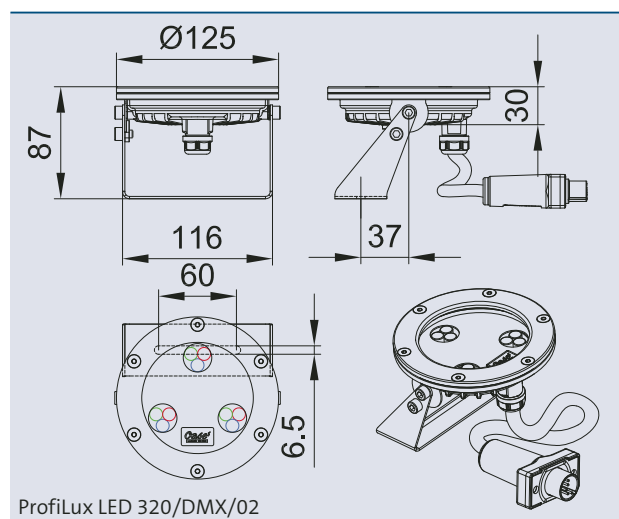
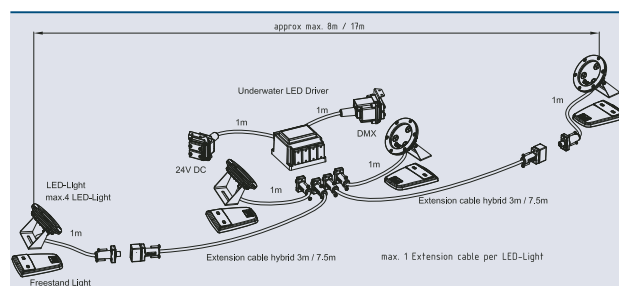
The vibrant colour show their full wonders when combined with the Vario-Switch system or the Varionaut-pumps. In combination they pave the way for a completely new composition of open space and fountain installation. The Underwater LED Driver (see on page 166) is required for the DMX/RDM capable use of the ProfiLux LED. Also a RDM-capable controller like the WECS II (WECS II 512, WECS II 1024 and WECS II 2048, see on page 174-182) is necessary. Due to this capability they send information back to the control panel. The ProfiLux LED has one plug with one meter cable to connect with the Underwater LED-Driver. For larger distances the Extension cable hybrid 3,0 m or

7,5 m is used (see on page 164). Up to 4 LEDs can be controlled individually with this external control. The Underwater LED Driver contains two connection boxes for the 24 Volt power supply and DMX/RDM data source. Through this special connection technology, wiring by hand is no longer necessary. Pumps and other consumer loads (e.g. Varionaut) can be connected easily to DMX/RDM of the light. The pluggable Underwater power supply 250 24 V /01 (see on page 170) is required for the plug and spray function on the 24 Volt power



**Accessories** (must be ordered separately)

<b>Extension cable hybrid / 3.0 m</b> (see page 164)	<b>50728</b>
<b>Extension cable hybrid / 7.5 m</b> (see page 164)	<b>56403</b>
<b>Underwater LED Driver</b> (see page 166)	<b>50720</b>
<b>Lamp Holder</b> (see page 150)	<b>50786</b>
<b>Freestand Light</b> (see page 149)	<b>50978</b>
<b>Connecting cable DMX/01</b> (see page 162)	<b>Order no.</b>
Connecting cable DMX/1.0 m/01	<b>12368</b>
Connecting cable DMX/3.0 m/01	<b>12369</b>
Connecting cable DMX/5.0 m/01	<b>12371</b>
Connecting cable DMX/10.0 m/01	<b>12372</b>
Connecting cable DMX/20.0 m/01	<b>12373</b>
End Resistant for Bus-System DMX/01	<b>12007</b>
<b>Connecting cable 24V DC/01</b> (see page 160)	<b>Order no.</b>
Connecting cable 24V DC /1.0 m/01	<b>12762</b>
Connecting cable 24V DC /3.0 m/01	<b>12552</b>
Connecting cable 24V DC /7.5 m/01	<b>12553</b>
Connecting cable 24V DC /15.0 m/01	<b>11720</b>
<b>PowerBox 24 V DC / 01</b> (see page 160)	<b>50493</b>
<b>Underwater power supply 250 / 24 V / 01</b> (see page 170)	<b>50733</b>
<b>WECS II 512 / DMX/02</b> (see page 174)	<b>56491</b>
<b>WECS II 1024 / DMX/02</b> (see page 174)	<b>56492</b>
<b>WECS II 2048 / DMX/02</b> (see page 180)	<b>56507</b>



DMX-Channel	Function
Channel 1	red
Channel 2	green
Channel 3	blue

ProfiLux LED 320/DMX/02		
Luminous flux all on	[lm]	573
Luminous flux red	[lm]	172
Luminous flux green	[lm]	307
Luminous flux blue	[lm]	94
Beam angle	[°]	16 (± 2)
Energy efficiency category		A
Weighted energy consumption [kWh/1000h]		17.6
Rated voltage	[V/DC]	24
Power consumption	[W]	16
Rated current	[A]	0.7
Dim frequency	[Hz]	500
Power connection type		Hybrid plug
Cable length	[m]	1
Protection class		IP 68
Dimensions (Ø x h)	[mm]	125 x 87
Material		Stainless steel 1.4404 (AISI 316L)
Weight	[kg]	1.20
<b>Order no.</b>		<b>50717</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
ProfiLux LED Spot 1500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## PROFILUX LED SPOT 1500/DMX/02

The new ProfiLux LED Spot 1500/DMX/02, with 1345 lumen and a narrow beam angle of 11° for higher fountains, the most powerful RGBW-LED (spot) light.

The LED-spot-light has a high quality stainless steel housing and is suitable for fresh water, pool water and sea water application (for definition see page 246). Equipped with a temperature control and a thermal protection, the LED light can also be installed dry. The lifetime of these lights is up to 100,000 h.\*

The Spot has a waterproof hybrid (voltage/data) connector. With the underwater LED Driver/DMX/02 (50720) (not in scope of supply) the

ProfiLux LED light can be controlled via DMX. The basic colours of the LED-RGBW-lights are measured individually for their brightness. The LED-Driver ensures equal brightness for all lights in the system, thereby creating a homogeneous colour combination.

### Product characteristics at a glance

- Energy efficient LED-RGBW-light with mounting bracket and fine adjustment.
- 1263 Lumen with a narrow beam angle of 11°, max. 31.8 Watt
- Temperature controlled high quality LED for an extra-long life of up to 100,000 h.\*
- Wet and dry installation – water proof in accordance with IP68
- For fresh water, pool water and sea water
- External electronic in a separate control box / junction box – waterproof connector, easy to connect.
- DMX/RDM-capable in combination with the Underwater LED Driver/DMX/02 (50720)
- Individual measurement of the basic colours of the LED-RGBW lights and the use of the Underwater LED Driver/DMX/02 (50720) guarantees equal brightness of all lights in the system and a homogeneous colour combination.
- Galvanic isolation between the DMX and 24V DC power
- Stroboscope effect, synchronised via DMX

\*In case of underwater application, an intelligent heat management and quality LED enables a lifetime up to 100.000 hrs. This claim does not entitle to a guarantee.



ProfiLux LED Spot 1500/DMX/02



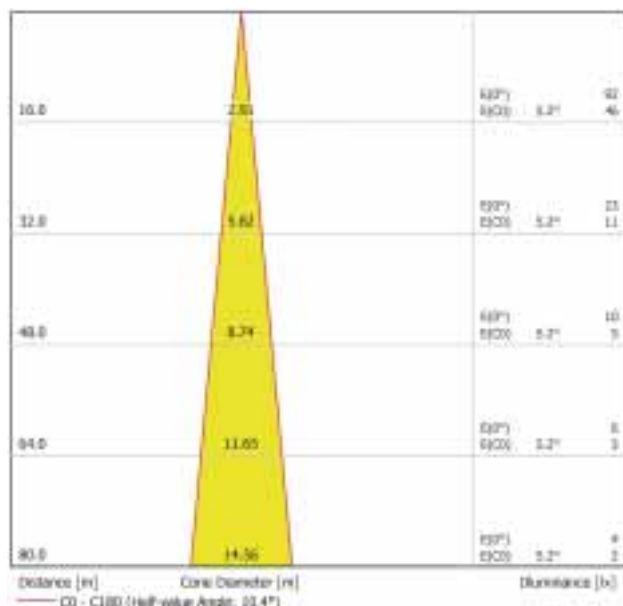
The variety of colour compositions reveal their full effect in combination with dynamic water effects which can be generated for eg. with the Vario-Switch, the AirNozzle or the Varionaut pumps. Together, they create completely new compositions on open spaces and in fountains.

The Underwater LED Driver/DMX/02 (see page 166) is required for a DMX/RDM-capable application of the ProfiLux LED Spot. In addition a RDM-capable controller like WECS II (WECS II 512, WECS II 1024 or WECS II 2048, see page 174-182) is also needed.

The ProfiLux-LED-Spot has a hybrid socket connection. The Underwater LED Driver/DMX/02 is connected to the ProfiLux LED Spot with a 3.0 mtr. or a 7.5 mtr. Hybrid-Extension cable (not in scope of supply) (see page 164). Up

to 4 LEDs can be individually controlled with this external Underwater LED-Driver.

The Underwater LED Driver/DMX/02 is equipped with two connection boxes – one for the power supply with 24V DC and the other one for a DMX/RDM-data cable. The special connection technology makes a watertight pluggable cabling possible.



Accessories (must be ordered separately)

Extension cable hybrid / 3.0 m (see page 164) 50728

Extension cable hybrid / 7.5 m (see page 164) 56403

Underwater LED Driver (see page 166) 50720

Lamp Holder (see page 150) 50786

Freestand Light (see page 149) 50978

Connecting cable DMX/01 (see page 162) Order no.

Connecting cable DMX/1.0 m/01 12368

Connecting cable DMX/3.0 m/01 12369

Connecting cable DMX/5.0 m/01 12371

Connecting cable DMX/10.0 m/01 12372

Connecting cable DMX/20.0 m/01 12373

End Resistant for Bus-System DMX/01 12007

Connecting cable 24V DC/01 (see page 160) Order no.

Connecting cable 24V DC /1.0 m/01 12762

Connecting cable 24V DC /3.0 m/01 12552

Connecting cable 24V DC /7.5 m/01 12553

Connecting cable 24V DC /15.0 m/01 11720

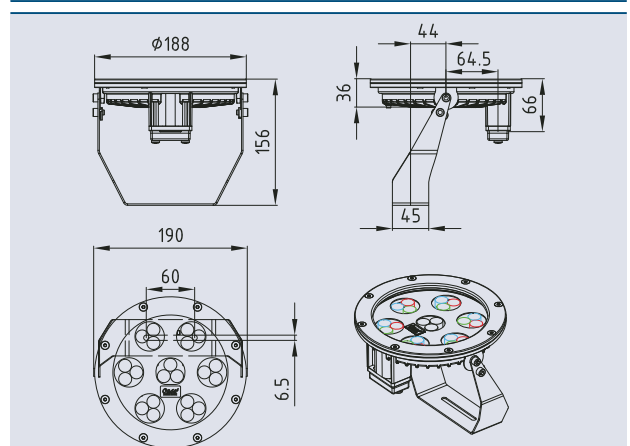
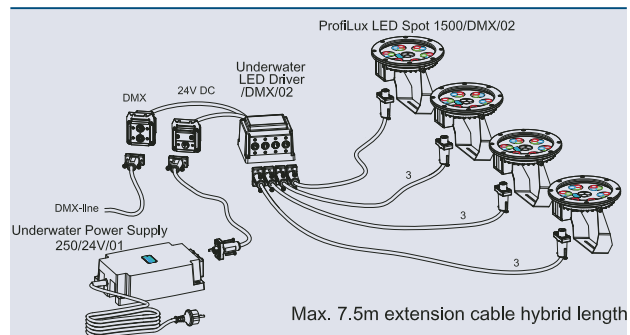
PowerBox 24 V DC / 01 (see page 160) 50493

Underwater power supply 250 / 24 V / 01 (see page 170) 50733

WECS II 512 / DMX/02 (see page 174) 56491

WECS II 1024 / DMX/02 (see page 174) 56492

WECS II 2048 / DMX/02 (see page 180) 56507



ProfiLux LED Spot 1500/DMX/02

DMX-Channel	Function
Channel 1	red
Channel 2	green
Channel 3	blue
Channel 4	white
Channel 5	strobe

ProfiLux LED Spot 1500/ DMX/02		
Luminous flux all on	[lm]	1263
Luminous flux red	[lm]	284
Luminous flux green	[lm]	509
Luminous flux blue	[lm]	156
Luminous flux white	[lm]	313
Colour temperature LED white	[K]	4000 ( $\pm 200$ )
Colour Rendering Index (CRI)	[%]	80
Beam angle	[°]	11 ( $\pm 2$ )
Strobe effect	[Hz]	0-25
Energy efficiency category		A
Weighted energy consumption [kWh/1000h]		35
Rated voltage	[V/DC]	24
Power consumption	[W]	32
Rated current	[A]	1.4
Dim frequency	[Hz]	2800
Power connection type		Hybrid socket
Protection class		IP 68
Dimensions ( $\varnothing \times h$ )	[mm]	188 x 156
Material		Stainless steel 1.4404 (AISI 316L)
Weight	[kg]	2.75
Order no.		56388



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
ProfiLux LED Flood 1500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## PROFILUX LED FLOOD 1500/ DMX/02

The ProfiLux LED Flood 1500/DMX/02 is the new and the most powerful RGBW-LED flood light. It has a lumen output of 1345 lumens and a wide beam angle of 31° for wide-area illumination.

The LED-flood-light has a high quality stainless steel housing and is suitable for fresh water, pool water and sea water application (for definition see page 246). Equipped with a temperature control and a thermal protection, the LED light can also be installed dry. The lifetime of these lights is up to 100,000 h.\*

The light has a waterproof hybrid (voltage/data) connector. With the underwater LED Driver/DMX/02 (50720) (not in scope of supply) the

ProfiLux LED light can be controlled via DMX. The basic colours of the LED-RGBW-lights are measured individually for their brightness. The LED-Driver ensures equal brightness for all lights in the system, thereby creating a homogeneous colour combination.

### Product characteristics at a glance

- Energy efficient LED-RGBW-light with mounting bracket and fine adjustment.
- 1263 Lumen with a wide beam angle of 31°, max. 31.8 Watt
- Temperature controlled high quality LED for an extra-long life of up to 100,000 h.\*
- Wet and dry installation – water proof in accordance with IP68
- For fresh water, pool water and sea water
- External electronic in a separate control box / junction box – waterproof connector, easy to connect.
- DMX/RDM-capable in combination with the Underwater LED Driver/DMX/02 (50720)
- Individual measurement of the basic colours of the LED-RGBW lights and the use of the Underwater LED Driver/DMX/02 (50720) guarantees equal brightness of all lights in the system and a homogeneous colour combination.
- Galvanic isolation between the DMX and 24V DC power
- Stroboscope effect, synchronised via DMX

\*In case of underwater application, an intelligent heat management and quality LED enables a lifetime of up to 100.000 hrs. This claim does not entitle to a guarantee.



ProfiLux LED Flood 1500/DMX/02

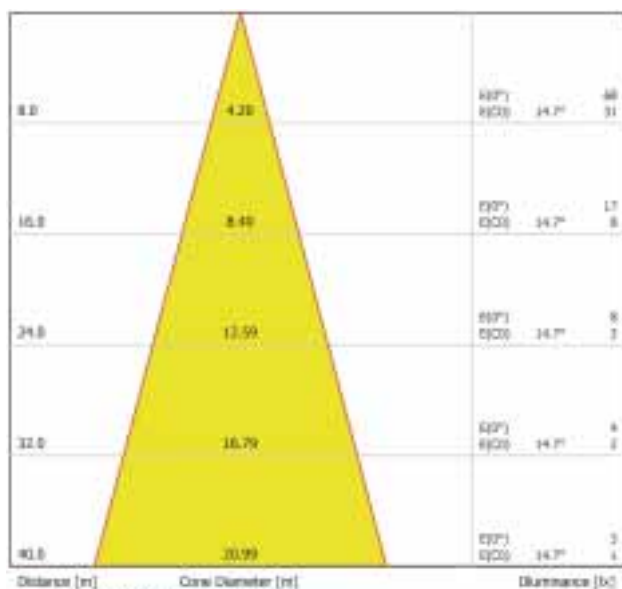
The variety of colour compositions reveal their full effect in combination with dynamic water effects which can be generated, for eg., with the Vario-Switch or the Varionaut pumps. Together, they create completely new compositions on open spaces and in fountains.

The Underwater LED Driver/DMX/02 (see page 166) is required for a DMX/RDM-capable application of the ProfiLux LED Flood . In addition a RDM-capable controller like WECS II (WECS II 512, WECS II 1024 or WECS II 2048 , see page 174-182) is also needed.

The ProfiLux-LED-Flood has a hybrid socket connection. The Underwater LED Driver/DMX/02 is connected to the ProfiLux LED Spot with a 3.0 mtr. or a 7.5 mtr. Hybrid-Extension cable (not in scope of supply) (see page 164). Up

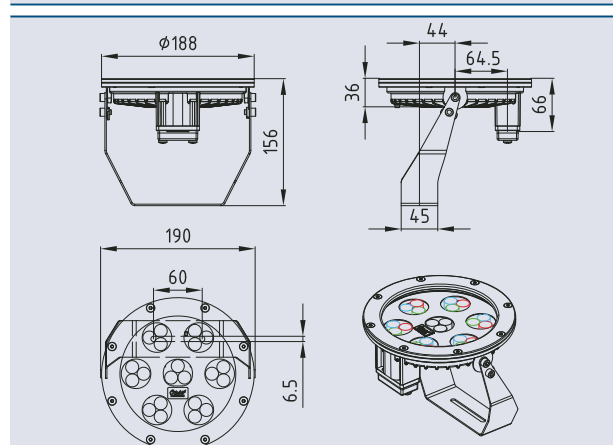
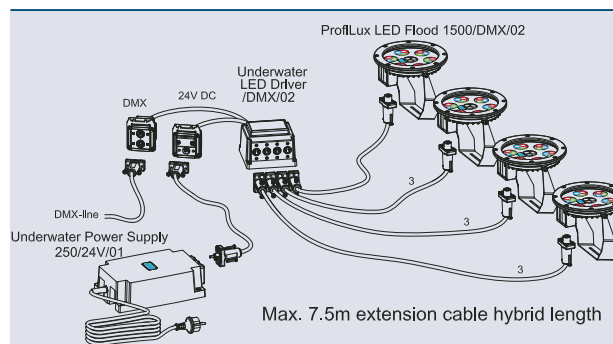
to 4 LEDs can be individually controlled with this external Unterwasser LED-Driver.

The Underwater LED Driver/DMX/02 is equipped with two connection boxes – one for the power supply with 24V DC and the other one for a DMX/RDM-data cable. The special connection technology makes a watertight pluggable cabling possible.



**Accessories** (must be ordered separately)

<b>Extension cable hybrid / 3.0 m</b> (see page 164)	50728
<b>Extension cable hybrid / 7.5 m</b> (see page 164)	56403
<b>Underwater LED Driver</b> (see page 166)	50720
<b>Lamp Holder</b> (see page 150)	50786
<b>Freestand Light</b> (see page 149)	50978
<b>Connecting cable DMX/01</b> (see page 162)	<b>Order no.</b>
Connecting cable DMX/1.0 m/01	12368
Connecting cable DMX/3.0 m/01	12369
Connecting cable DMX/5.0 m/01	12371
Connecting cable DMX/10.0 m/01	12372
Connecting cable DMX/20.0 m/01	12373
End Resistant for Bus-System DMX/01	12007
<b>Connecting cable 24V DC/01</b> (see page 160)	<b>Order no.</b>
Connecting cable 24V DC /1.0 m/01	12762
Connecting cable 24V DC /3.0 m/01	12552
Connecting cable 24V DC /7.5 m/01	12553
Connecting cable 24V DC /15.0 m/01	11720
<b>PowerBox 24 V DC / 01</b> (see page 160)	50493
<b>Underwater power supply 250 / 24 V / 01</b> (see page 170)	50733
<b>WECS II 512 / DMX/02</b> (see page 174)	56491
<b>WECS II 1024 / DMX/02</b> (see page 174)	56492
<b>WECS II 2048 / DMX/02</b> (see page 180)	56507



ProfiLux LED Flood 1500/DMX/02

DMX-Channel	Function
Channel 1	red
Channel 2	green
Channel 3	blue
Channel 4	white
Channel 5	strobe

ProfiLux LED Flood 1500 / DMX / 02		
Luminous flux all on	[lm]	1263
Luminous flux red	[lm]	284
Luminous flux green	[lm]	509
Luminous flux blue	[lm]	156
Luminous flux white	[lm]	313
Colour temperature LED white	[K]	4000 (± 200)
Colour Rendering Index (CRI)	[%]	80
Beam angle	[°]	31 (± 2)
Strobe effect	[Hz]	0-25
Energy efficiency category		A
Weighted energy consumption [kWh/1000h]		35
Rated voltage	[V/DC]	24
Power consumption	[W]	32
Rated current	[A]	1.4
Dim frequency	[Hz]	2800
Power connection type		Hybrid socket
Protection class		IP 68
Dimensions (Ø x h)	[mm]	188 x 156
Material		Stainless steel 1.4404 (AISI 316L)
Weight	[kg]	2.75
<b>Order no.</b>		<b>56391</b>





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
ProfiPlane LED 110	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## PROFIPLANE LED 110/DMX/02

The ProfiPlane LED 110/DMX/02, with 213 lumen and a beam angle of 25°, is the new, tiny, compact and powerful RGB-LED light for ground installation and wall mounting.

The cover glass is embedded in the stainless steel mounting ring forming a smooth surface. This makes it free from any extra dirt collecting edges. The compact LED-light (Ø = 109 mm) has a high quality stainless steel housing and is suitable for fresh water, pool water and sea water application (for definition see page 246). Equipped with a temperature control and a thermal protection, the LED light can also be installed dry. The lifetime of these lights is up to 100,000 h.\*

The RGB-LED light has a 1 mtr. long connecting cable with a hybrid (power/data) connector. The ProfiPlane LED light can be controlled via DMX with the underwater LED Driver/DMX/02 (50720) (not in scope of supply). The basic colours

of the LED-RGB-lights are measured individually for their brightness. The LED-Driver ensures equal brightness for all lights in the system, thereby creating a homogeneous colour combination.

### Product characteristics at a glance

- Energy efficient LED-RGB-light with stainless steel frame for wall mounting and ground installation
- Mounting ring and glass together form a plane surface
- 213 Lumen with a beam angle of 25°, max. 6 Watt
- Temperature controlled high quality LED for an extra-long life of up to 100,000 h.\*
- Wet and dry installation – water proof in accordance with IP68
- For fresh water, pool water and sea water
- External electronic in a separate control box / junction box – waterproof connector, easy to connect.
- DMX/RDM-capable in combination with the Underwater LED Driver/DMX/02 (50720)
- Individual measurement of the basic colours and the use of the Underwater LED Driver/DMX/02 (50720) guarantees equal brightness of all lights in the system and a homogeneous colour combination.
- Galvanic isolation between the DMX and 24V DC power
- Stroboscope effect, synchronised via DMX

\*In case of underwater application, an intelligent heat management and quality LED enables a lifetime of up to 100.000 hrs. This claim does not entitle to a guarantee.

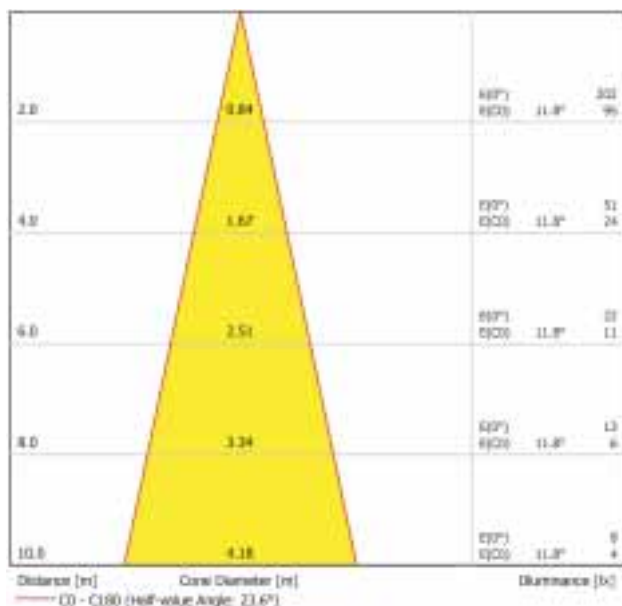


ProfiPlane LED 110/DMX/02

The variety of colour combinations and the stroboscope effect reveal their full effect in combination with dynamic water effects which can be generated, for eg. , with the Varionaut pumps. Together, they create completely new compositions on open spaces and in fountains.

The Underwater LED Driver/DMX/02 (see page 166) is required for a DMX/RDM-capable application of the ProfiPlane LED light (see page 126-129) . In addition a RDM-capable controller, like WECS II (WECS II 512, WECS II 1024 or WECS II 2048 , see page 174-182), is also needed.

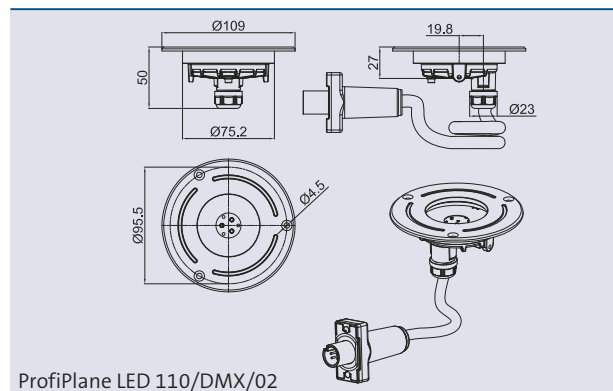
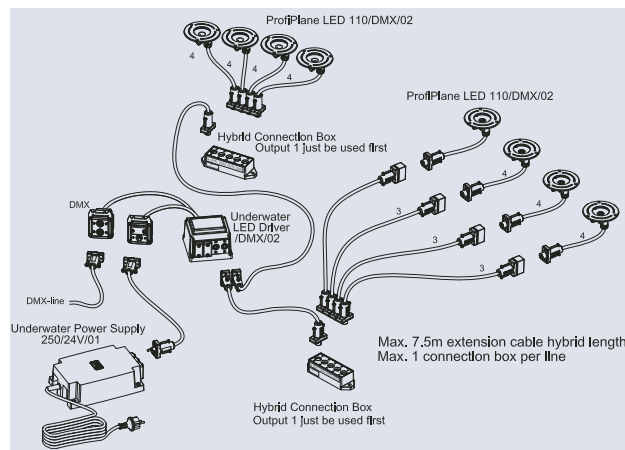
The ProfiPlane-LED light has a 1 mtr. long connecting cable with a hybrid connector for connecting it to the Underwater LED Driver/DMX/02. A 3.0 mtr. or 7.5 mtr. hybrid extension cable per light can be used for extending the connection (see page 164). Up to 4 LEDs can be individually controlled with this external Underwater LED-Driver. The Underwater



**Accessories** (must be ordered separately)

<b>Extension cable hybrid / 3.0 m</b> (see page 164)	<b>50728</b>
<b>Extension cable hybrid / 7.5 m</b> (see page 164)	<b>56403</b>
<b>Hybrid connection box</b> (see page 164)	<b>56404</b>
<b>Underwater LED Driver</b> (see page 166)	<b>50720</b>
<b>Connecting cable DMX/01</b> (see page 162)	<b>Order no.</b>
Connecting cable DMX/1.0 m/01	<b>12368</b>
Connecting cable DMX/3.0 m/01	<b>12369</b>
Connecting cable DMX/5.0 m/01	<b>12371</b>
Connecting cable DMX/10.0 m/01	<b>12372</b>
Connecting cable DMX/20.0 m/01	<b>12373</b>
End Resistant for Bus-System DMX/01	<b>12007</b>
<b>Connecting cable 24V DC/01</b> (see page 160)	<b>Order no.</b>
Connecting cable 24V DC /1.0 m/01	<b>12762</b>
Connecting cable 24V DC /3.0 m/01	<b>12552</b>
Connecting cable 24V DC /7.5 m/01	<b>12553</b>
Connecting cable 24V DC /15.0 m/01	<b>11720</b>
<b>PowerBox 24 V DC / 01</b> (see page 160)	<b>50493</b>
<b>Underwater power supply 250 / 24 V / 01</b> (see page 170)	<b>50733</b>
<b>WECS II 512 / DMX/02</b> (see page 174)	<b>56491</b>
<b>WECS II 1024 / DMX/02</b> (see page 174)	<b>56492</b>
<b>WECS II 2048 / DMX/02</b> (see page 180)	<b>56507</b>

LED Driver/DMX/02 is equipped with two connection boxes – one for the power supply with 24V DC and the other one for a DMX/RDM-data cable. The special connection technology makes a watertight pluggable cabling possible. The use of the hybrid connection box can lead to an economic advantage of the system. The lights which are connected to the hybrid box always have the same colour. (see system diagram.)



DMX-Channel	Function
Channel 1	red
Channel 2	green
Channel 3	blue
Channel 4	strobe

ProfiPlane LED 110/DMX/02		
Luminous flux all on	[lm]	213
Luminous flux red	[lm]	64
Luminous flux green	[lm]	114
Luminous flux blue	[lm]	35
Beam angle	[°]	25 (± 2)
Strobe effect	[Hz]	0-25
Energy efficiency category		A
Weighted energy consumption [kWh/1000h]		6.6
Rated voltage	[V/DC]	24
Power consumption	[W]	6
Rated current	[A]	0.26
Dim frequency	[Hz]	2800
Power connection type		Hybrid plug
Cable length	[m]	1
Protection class		IP 68
Static load max.	[t]	1.5
Dimensions (Ø x h)	[mm]	109 x 50
Material		Stainless steel 1.4404 (AISI 316L)
Weight	[kg]	0.61
<b>Order no.</b>		<b>56298</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
ProfiPlane LED 320	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## PROFIPLANE LED 320/DMX/02

The ProfiPlane is developed for in-ground installation. These LED-lights can be built into practically any natural stone or paving. This makes them ideal for use in wet or dry fountain installations.

Nozzles can be integrated in the middle of the LED spotlights to illuminate the fountains. Thus attractive symmetric illumination with continuously changing colour nuances is produced. However these vibrant colour wonders show their full potential when combined with the Vario-Switch system or the Varionaut-pumps. In combination they pave the way for a completely new composition of open space and fountain installation. The new generation of LED-RGB light comes with highquality stainless steel housing for fresh-, pool- and saltwater (definition see on page 246). These LED-light have temperature regula-

tion and overheating protection so that dry installation is also possible. They have a lifetime up to 100,000 h.\* The basic colours of the LED-RGB-lights are each measured for their brightness. Our OASE LED-Driver (see page 166) ensures equal brightness for all lights in the system, thereby creating a homogeneous colour combination.

### Product characteristics at a glance

- Energy efficient LED-RGB-light with a center hole D = 22 mm
- Walk-on-able
- Nozzle lamp locking
- 573 Lumen with a narrow beam angle of 16°, max. 16 Watt
- Temperature controlled high quality LED for an extra-long life of up to 100,000 h.\*
- Wet and dry installation – water proof in accordance with IP68
- For fresh water, pool water and sea water
- External electronic in a separate control box / junction box – waterproof connector, easy to connect.
- DMX/RDM-capable in combination with the Underwater LED Driver/DMX/02 (50720)
- Individual measurement of the basic colours of the LED-RGB lights and the use of the Underwater LED Driver/DMX/02 (50720) guarantees equal brightness of all lights in the system and a homogeneous colour combination.
- Galvanic isolation between the DMX and 24V DC power

\*In case of underwater application, an intelligent heat management and quality LED enables a lifetime of up to 100.000 hrs. This claim does not entitle to a guarantee.



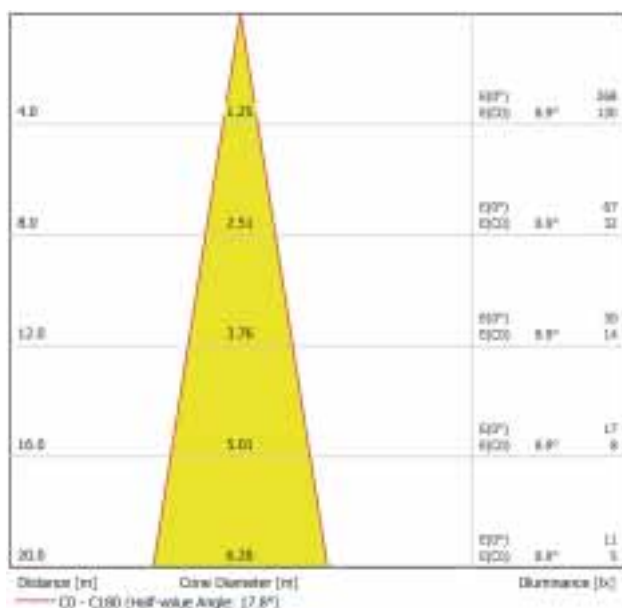
ProfiPlane LED 320/DMX/02





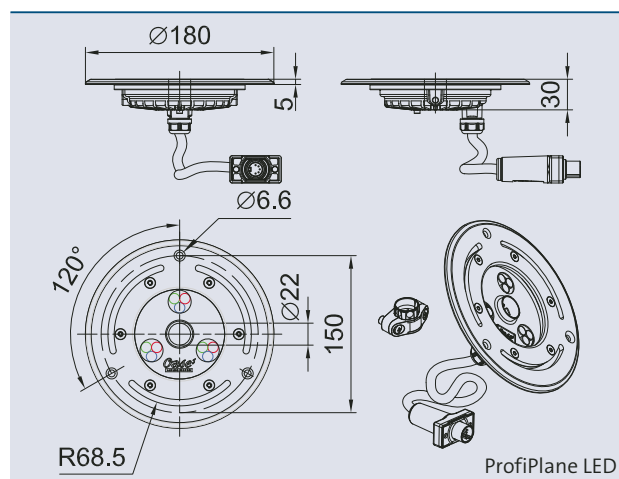
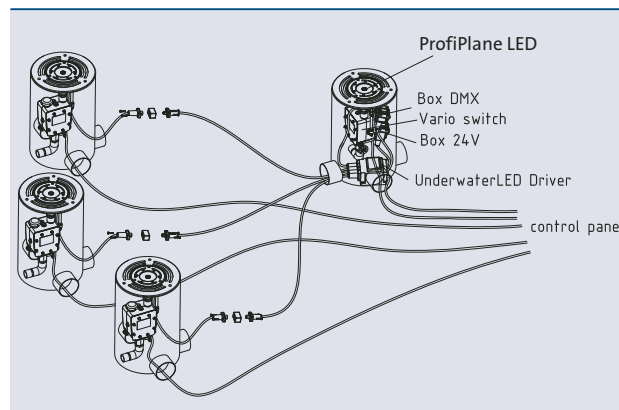
The Underwater LED Driver (see on page 166) is required for the DMX/RDM capable use of the ProfiPlane LED. Also a RDM-capable controller like the WECS II (WECS II 512, WECS II 1024 and WECS II 2048, see on page 174-182) is necessary. Due to this capability they send information back to the control panel. The ProfiPlane LED has one plug with one meter cable to connect with the Underwater LED-Driver. For larger distances the Extension cable hybrid 3.0 m or 7.5 m is used (see on page 164). Up to 4 LEDs can be controlled individually with this external control. The Underwater LED Driver contains two connection

boxes for the 24 Volt power supply and DMX/RDM data source. Through this special connection technology, wiring by hand is no longer necessary. Pumps and other consumer loads (e.g. Varionaut) can be connected easily to DMX/RDM of the light. The pluggable Underwater power supply 250 24 V /01 (see on page 170) is required for the plug and spray function on the 24 Volt power supply.



Accessories (must be ordered separately)

Recommended Nozzles	Order no.
Comet 10-14 silver (see page 42)	50723
Comet 10-12 T (see page 44)	50968
Comet 10-14 T (see page 44)	50969
<b>Extension cable hybrid / 3.0 m</b> (see page 164)	50728
<b>Extension cable hybrid / 7.5 m</b> (see page 164)	56403
<b>Underwater LED Driver</b> (see page 166)	50720
<b>Connecting cable DMX/01</b> (see page 162)	<b>Order no.</b>
Connecting cable DMX/1.0 m/01	12368
Connecting cable DMX/3.0 m/01	12369
Connecting cable DMX/5.0 m/01	12371
Connecting cable DMX/10.0 m/01	12372
Connecting cable DMX/20.0 m/01	12373
End Resistant for Bus-System DMX/01	12007
<b>Connecting cable 24V DC/01</b> (see page 160)	<b>Order no.</b>
Connecting cable 24V DC /1.0 m/01	12762
Connecting cable 24V DC /3.0 m/01	12552
Connecting cable 24V DC /7.5 m/01	12553
Connecting cable 24V DC /15.0 m/01	11720
<b>PowerBox 24 V DC / 01</b> (see page 160)	50493
<b>Underwater power supply 250 / 24 V / 01</b> (see page 170)	50733
<b>WECS II 512 / DMX/02</b> (see page 174)	56491
<b>WECS II 1024 / DMX/02</b> (see page 174)	56492
<b>WECS II 2048 / DMX/02</b> (see page 180)	56507



DMX-Channel	Function
Channel 1	red
Channel 2	green
Channel 3	blue

ProfiPlane LED 320/DMX/02		
Luminous flux all on	[lm]	573
Luminous flux red	[lm]	172
Luminous flux green	[lm]	307
Luminous flux blue	[lm]	94
Beam angle	[°]	16 (± 2)
Energy efficiency category		A
Weighted energy consumption [kWh/1000h]		17.6
Rated voltage	[V/DC]	24
Power consumption	[W]	16
Rated current	[A]	0.7
Dim frequency	[Hz]	500
Power connection type		Hybrid plug
Cable length	[m]	1
Protection class		IP 68
Static load max.	[t]	1.5
Dimensions (Ø x h)	[mm]	188 x 30
Material		Stainless steel 1.4404 (AISI 316L)
Weight	[kg]	1.50
<b>Order no.</b>		<b>50719</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
ProfiRing LED 320	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## PROFIRING LED 320/DMX/02

The ProfiRing is developed specifically to illuminate fountains. Nozzles can be integrated in the middle of the LED light. Thus attractive symmetric illumination with continuously changing colour nuances is produced.

The ProfiRing LED is mainly used in the pool directly under the water surface. These LED-lights have temperature regulation and overheating protection so that dry installation is also possible. However these vibrant colour wonders show their full potential when combined with the Varionaut-pumps or the Vario-Switch system. In combination they pave the way for a completely new composition of open space and fountain installation. The new generation of LED-RGB light comes with high quality stainless steel housing for fresh-, pool- and saltwater (definition see

on page 246). They have a lifetime up to 100,000 h.\* The basic colours of the LED-RGB-lights are each measured for their brightness. Our OASE LED-Driver (see page 166) ensures equal brightness for all lights in the system, thereby creating a homogeneous colour combination.

### Product characteristics at a glance

- Energy efficient LED-RGB-light with a center hole D = 22 mm
- Nozzle lamp locking
- 573 Lumen with a narrow beam angle of 16°, max. 16 Watt
- Temperature controlled high quality LED for an extra-long life of up to 100,000 h.\*
- Wet and dry installation – water proof in accordance with IP68
- For fresh water, pool water and sea water
- External electronic in a separate control box / junction box – waterproof connector, easy to connect.
- DMX/RDM-capable in combination with the Underwater LED Driver/DMX/02 (50720)
- Individual measurement of the basic colours of the LED-RGB lights and the use of the Underwater LED Driver/DMX/02 (50720) guarantees equal brightness of all lights in the system and a homogeneous colour combination.
- Galvanic isolation between the DMX and 24V DC power

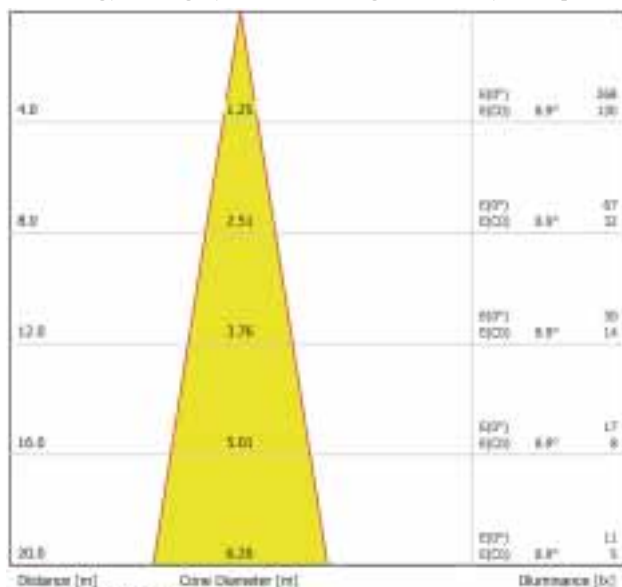
\*In case of underwater application, an intelligent heat management and quality LED enables a lifetime of up to 100.000 hrs. This claim does not entitle to a guarantee.



ProfiRing LED 320/DMX/02

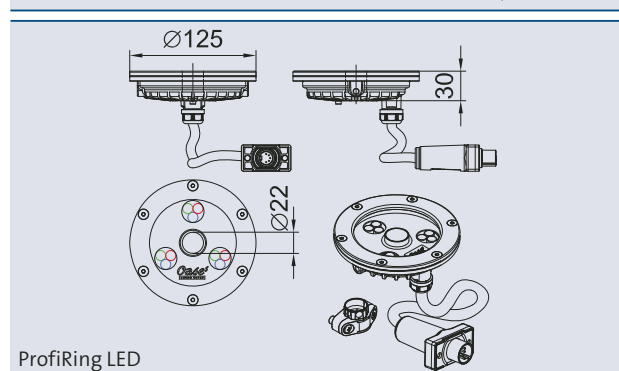
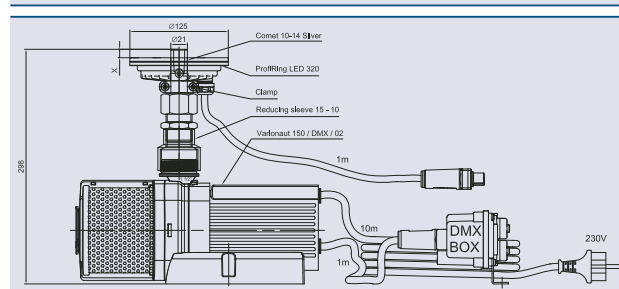
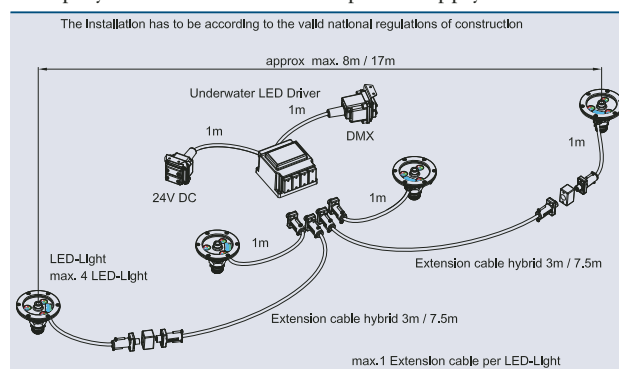
The Underwater LED Driver (see on page 166) is required for the DMX/RDM capable use of the ProfiRing LED. Also a RDM-capable controller like the WECS II (WECS II 512, WECS II 1024 and WECS II 2048, see on page 174-182) is necessary. Due to this fact they send information back to the control panel. The ProfiRing LED has one plug with one meter cable to connect with the Underwater LED-Driver. For larger distances is designed the Extension cable hybrid 3.0 m or 7.5 m is used (see on page 164). The Underwater LED Driver contains two connection boxes for the 24 Volt power supply and DMX/RDM data source. Through this special connection technology, wiring by hand is no longer necessary. Pumps and

other consumer loads (e.g. Varionaut) can be connected easily to DMX/RDM of the light. The pluggable Underwater power supply 250 24 V /01 (see on page 170) is required for the plug and spray function on the 24 Volt power supply.



**Accessories** (must be ordered separately)

Recommended Nozzles	Order no.
Comet 10-14 silver (see page 42)	50723
Comet 10-12 T (see page 44)	50968
Comet 10-14 T (see page 44)	50969
<b>Extension cable hybrid / 3.0 m</b> (see page 164)	50728
<b>Extension cable hybrid / 7.5 m</b> (see page 164)	56403
<b>Underwater LED Driver</b> (see page 166)	50720
Connecting cable DMX/01	Order no.
Connecting cable DMX/1.0 m/01	12368
Connecting cable DMX/3.0 m/01	12369
Connecting cable DMX/5.0 m/01	12371
Connecting cable DMX/10.0 m/01	12372
Connecting cable DMX/20.0 m/01	12373
End Resistant for Bus-System DMX/01	12007
Connecting cable 24V DC/01	Order no.
Connecting cable 24V DC /1.0 m/01	12762
Connecting cable 24V DC /3.0 m/01	12552
Connecting cable 24V DC /7.5 m/01	12553
Connecting cable 24V DC /15.0 m/01	11720
<b>PowerBox 24 V DC / 01</b> (see page 160)	50493
<b>Underwater power supply 250 / 24 V / 01</b> (see page 170)	50733
<b>WECS II 512 / DMX/02</b> (see page 174)	56491
<b>WECS II 1024 / DMX/02</b> (see page 174)	56492
<b>WECS II 2048 / DMX/02</b> (see page 180)	56507



ProfiRing LED

DMX-Channel	Function
Channel 1	red
Channel 2	green
Channel 3	blue

ProfiRing LED 320/DMX/02		
Luminous flux all on	[lm]	573
Luminous flux red	[lm]	172
Luminous flux green	[lm]	307
Luminous flux blue	[lm]	94
Beam angle	[°]	16 (± 2)
Energy efficiency category		A
Weighted energy consumption [kWh/1000h]		17.6
Rated voltage	[V/DC]	24
Power consumption	[W]	16
Rated current	[A]	0.7
Dim frequency	[Hz]	500
Power connection type		Hybrid plug
Cable length	[m]	1
Protection class		IP 68
Dimensions (Ø x h)	[mm]	125 x 30
Material		Stainless steel 1.4404 (AISI 316L)
Weight	[kg]	1.00
<b>Order no.</b>		<b>50718</b>





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
ProfiLux LED 350	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## PROFILUX LED 350/01

The ProfiLux LED 350/01 is the new, tiny, compact and powerful white LED light with 340 Lumen and a beam angle of 25°.

This compact neutral white LED-light (Ø = 75.2 mm) has a high quality stainless steel housing and is suitable for fresh water, pool water and sea water application (for definition see page 246). Equipped with a temperature control and a thermal protection, the LED light can also be installed dry. The lifetime of these lights is up to 100,000 h.\* The light is supplied with a moun-

ting bracket for ground installation as well as for nozzle tube mounting (designed for socket 10 (51018)). The LED light has a 4 mtr. long connecting cable with a waterproof 24V/DC connector.

### Product characteristics at a glance

- Energy efficient neutral white LED- light with mounting bracket for ground installation and nozzle tube mounting ( designed for socket 10 (51018)).
- 340 Lumen with a beam angle of 25°, max. 7.5 Watt
- Colour temperature 4000 K
- 24 V/DC connector with 4mtr. cable
- Watertight in accordance with IP 68, easy to connect
- Reverse polarity protection
- Temperature controlled high quality LED for an extra-long life of up to 100,000 h.\*
- Wet and dry installation
- For fresh water, pool water and sea water
- Compact design (Ø x h) 75 x 27 [mm]
- DMX/RDM-controllable with Underwater Switch 24 V DC (on/off)



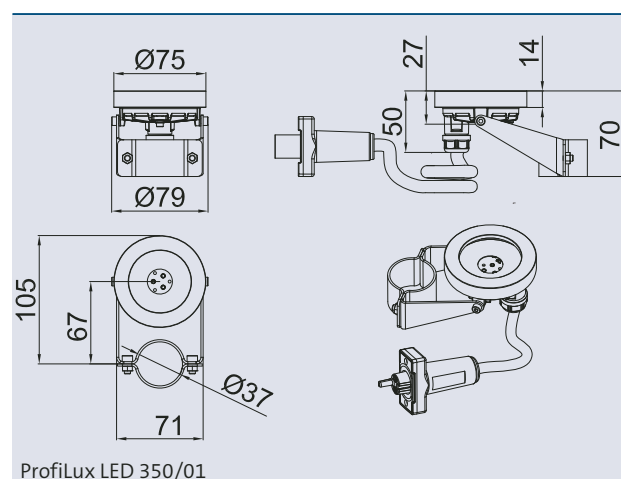
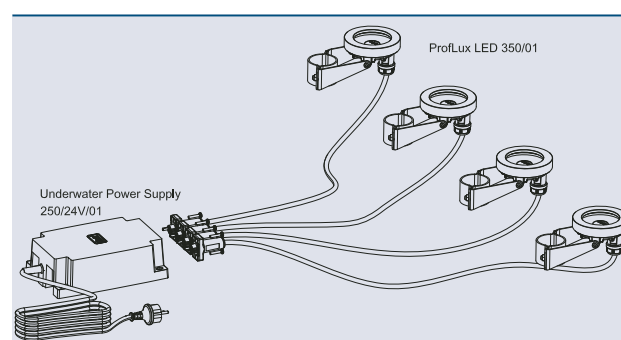
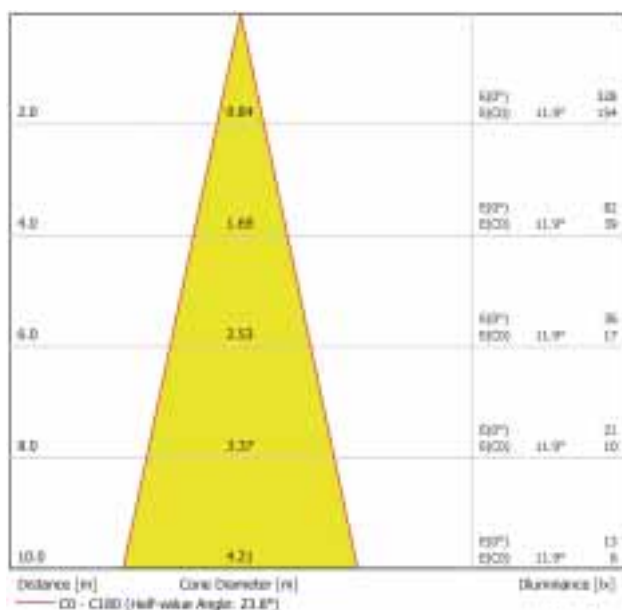
ProfiLux LED 350/01

\*In case of underwater application, an intelligent heat management and quality LED enables a lifetime of up to 100.000 hrs. This claim does not entitle to a guarantee.

The white 24 V/DC LED-light has a 4 mtr. long connecting cable with a 24 V/DC connector for connecting it directly to the Underwater power supply 250 24V/01 (50733, see page 170; see also system diagram 1).

The white LED can also be individually controlled via DMX. In that case the light should be connected directly to the Underwater Switch 24 V DC/DMX/02

(56411, see page 168). Up to 4 LED's can be controlled individually with this Underwater Switch (see system diagram on page 169). In addition a RDM-capable controller, for eg. WECS II (WECS II 512, WECS II 1024 or WECS II 2048, see page 174-182), is also required.



**Accessories** (must be ordered separately)

<b>Freestand Light</b> (see page 149)	50978
<b>Underwater Switch 24 V DC/DMX/02</b> (see page 168)	56411
<b>Connecting cable DMX/01</b> (see page 162)	<b>Order no.</b>
Connecting cable DMX/1.0 m/01	12368
Connecting cable DMX/3.0 m/01	12369
Connecting cable DMX/5.0 m/01	12371
Connecting cable DMX/10.0 m/01	12372
Connecting cable DMX/20.0 m/01	12373
End Resistant for Bus-System DMX/01	12007
<b>Connecting cable 24V DC/01</b> (see page 160)	<b>Order no.</b>
Connecting cable 24V DC /1.0 m/01	12762
Connecting cable 24V DC /3.0 m/01	12552
Connecting cable 24V DC /7.5 m/01	12553
Connecting cable 24V DC /15.0 m/01	11720
<b>PowerBox 24 V DC / 01</b> (see page 160)	50493
<b>Underwater power supply 250 / 24 V / 01</b> (see page 170)	50733
<b>WECS II 512 / DMX/02</b> (see page 174)	56491
<b>WECS II 1024 / DMX/02</b> (see page 174)	56492
<b>WECS II 2048 / DMX/02</b> (see page 180)	56507

ProfiLux LED 350 / 01		
Luminous flux white	[lm]	340
Colour temperature LED white	[K]	4000 (± 200)
Colour Rendering Index (CRI)	[%]	80
Beam angle	[°]	25 (± 2)
Energy efficiency category		A
Weighted energy consumption [kWh/1000h]		8.25
Rated voltage	[V/DC]	24
Power consumption	[W]	7.5
Rated current	[A]	0.31
Dim frequency	[Hz]	2800
Power connection type		24V DC plug
Cable length	[m]	4
Protection class		IP 68
Dimensions (Ø x h)	[mm]	75 x 70
Material		Stainless steel 1.4404 (AISI 316L)
Weight	[kg]	0.61
<b>Order no.</b>		<b>56331</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
ProfiLux LED 1100	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## PROFILUX LED 1100/01

The ProfiLux LED 1100/01, with 918 lumen and a beam angle of 11° is the new, compact and powerful light.

The compact neutral white LED-light (Ø x h) 125 x 32 [mm] has a high quality stainless steel housing and is suitable for fresh water, pool water and sea water application (for definition see page 246). Equipped with a temperature control and a thermal protection, the LED light can also be installed dry. The lifetime of these lights is up to 100,000 h.\*



ProfiLux LED 1100/01

The light is supplied with a bracket with special fine adjustment. The LED light has a 4 mtr. long connecting cable with a watertight 24 V/DC connector.

### Product characteristics at a glance

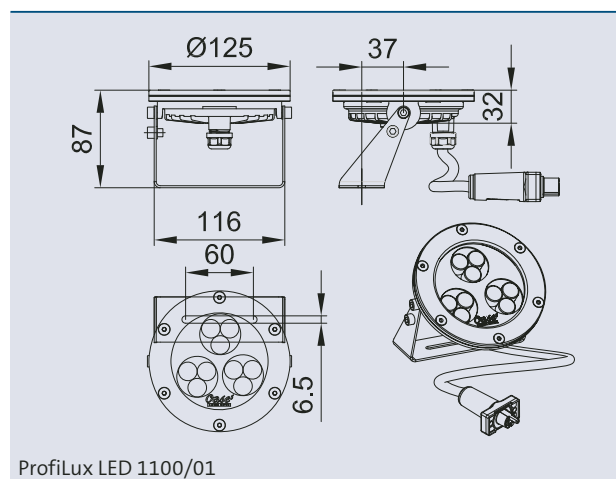
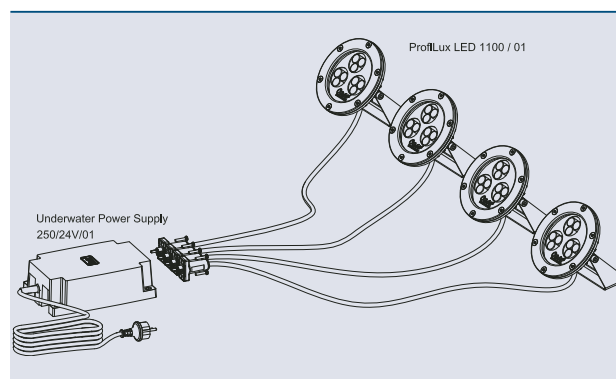
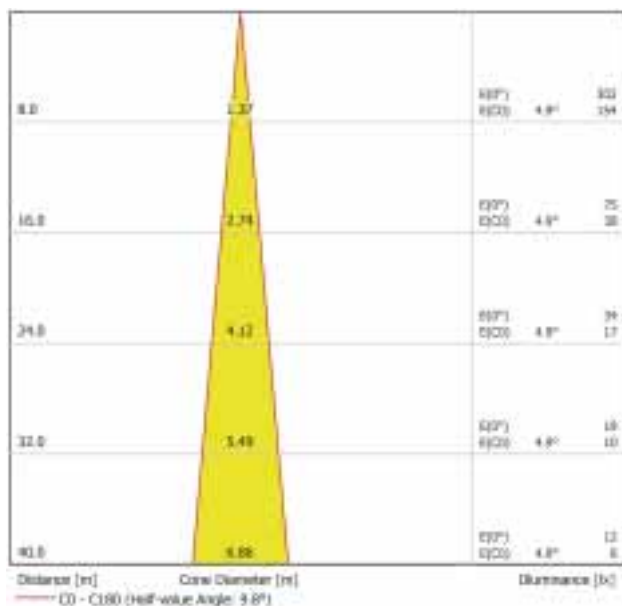
- Energy efficient neutral white LED-light with bracket and fine adjustment.
- 918 Lumen with a beam angle of 11°, max. 23 Watt
- Colour Temperature 4000 K
- 24V/DC connector with 4 mtr. cable
- Watertight in accordance with IP 68, easy to connect
- Reverse polarity protection
- Temperature controlled high quality LED for an extra-long life of up to 100,000 h.\*
- Wet and dry installation
- For fresh-, pool- and sea water
- Compact design ((Ø x h) 125 x 32 [mm])
- DMX/RDM-controllable with Underwater Switch 24V DC (on/off)

\*In case of underwater application, an intelligent heat management and quality LED enables a lifetime of up to 100.000 hrs. This claim does not entitle to a guarantee.



The white 24 V/DC LED-light has a 4 mtr. long connecting cable with a 24 V/DC connector for connecting it directly to the Underwater power supply 250 24V/01 (50733, see page 170; see also system diagram 1).

The white LED can also be individually controlled via DMX. In that case the light should be connected directly to the Underwater Switch 24 V DC/DMX/02 (56411, see page 168). Up to 4 LED's can be controlled individually with this Underwater Switch (see system diagram 2). In addition a RDM-capable controller, for eg. WECS II (WECS II 512, WECS II 1024 or WECS II 2048, see page 174-182), is also required.



**Accessories** (must be ordered separately)

<b>Freestand Light</b> (see page 149)	50978
<b>Lamp Holder</b> (see page 150)	50786
<b>Underwater Switch 24 V DC/DMX/02</b> (see page 168)	56411
<b>Connecting cable DMX/01</b> (see page 162)	<b>Order no.</b>
Connecting cable DMX/1.0 m/01	12368
Connecting cable DMX/3.0 m/01	12369
Connecting cable DMX/5.0 m/01	12371
Connecting cable DMX/10.0 m/01	12372
Connecting cable DMX/20.0 m/01	12373
End Resistant for Bus-System DMX/01	12007
<b>Connecting cable 24V DC/01</b> (see page 160)	<b>Order no.</b>
Connecting cable 24V DC /1.0 m/01	12762
Connecting cable 24V DC /3.0 m/01	12552
Connecting cable 24V DC /7.5 m/01	12553
Connecting cable 24V DC /15.0 m/01	11720
<b>PowerBox 24 V DC / 01</b> (see page 160)	50493
<b>Underwater power supply 250 / 24 V / 01</b> (see page 170)	50733
<b>WECS II 512 / DMX/02</b> (see page 174)	56491
<b>WECS II 1024 / DMX/02</b> (see page 174)	56492
<b>WECS II 2048 / DMX/02</b> (see page 180)	56507

ProfiLux LED 1100 / 01		
Luminous flux white	[lm]	918
Colour temperature LED white	[K]	4000 (± 200)
Colour Rendering Index (CRI)	[%]	80
Beam angle	[°]	11 (± 2)
Energy efficiency category		A
Weighted energy consumption [kWh/1000h]		25.3
Rated voltage	[V/DC]	24
Power consumption	[W]	23
Rated current	[A]	0.95
Dim frequency	[Hz]	2800
Power connection type		24V DC plug
Cable length	[m]	4
Protection class		IP 68
Dimensions (Ø x h)	[mm]	125 x 87
Material		Stainless steel 1.4404 (AISI 316L)
Weight	[kg]	1.20
<b>Order no.</b>		<b>51296</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Profilux LED Spot 2200	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## PROFILUX LED SPOT 2200 /01

The new Profilux LED Spot 2200/01, with 2683 Lumen and a narrow beam angle of 11° for higher fountains, is the most powerful white LED light.

The LED-spot-light has a high quality stainless steel housing and is suitable for fresh water, pool water and sea water application (for defi-

inition see page 246). Equipped with a temperature control and a thermal protection, this neutral white LED light is also suitable for dry installation. The lifetime is up to 100,000 h.\*

The Spot comes with a waterproof 24 V/DC connector.

### Product characteristics at a glance

- Energy efficient neutral white LED- light with mounting bracket and fine adjustment.
- 2683 Lumen with a beam angle of 11°, max. 55 Watt
- Colour temperature 4000 K
- 24 V/DC (plug-in) connector without cable
- Watertight in accordance with IP 68, easy to connect
- Reverse polarity protection
- Temperature controlled high quality LED for an extra-long life of up to 100,000 h.\*
- Wet and dry installation
- For fresh water, pool water and sea water
- Compact design (Ø x h) 188 x 36 [mm]
- DMX/RDM-controllable with Underwater Switch 24 V DC (on/off)

\*In case of underwater application, an intelligent heat management and quality LED enables a lifetime of up to 100.000 hrs. This claim does not entitle to a guarantee.

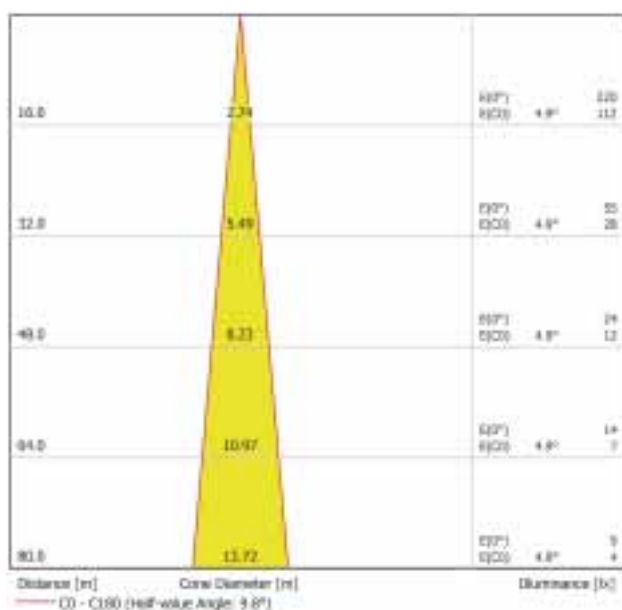


Profilux LED Spot 2200/01

The ProfiLux-LED-Spot has a watertight 24 V/DC socket connector for connecting it to the Underwater Switch Power supply 250 24V/01 (50733, see page 170) with a 1.0 mtr.; 3.0 mtr.; 7.5 mtr. or 15 mtr. connecting cable (see page 160; see also system diagram 1).

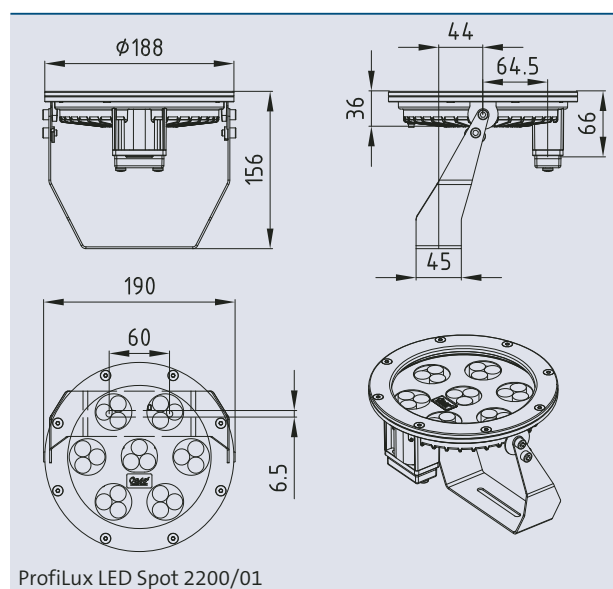
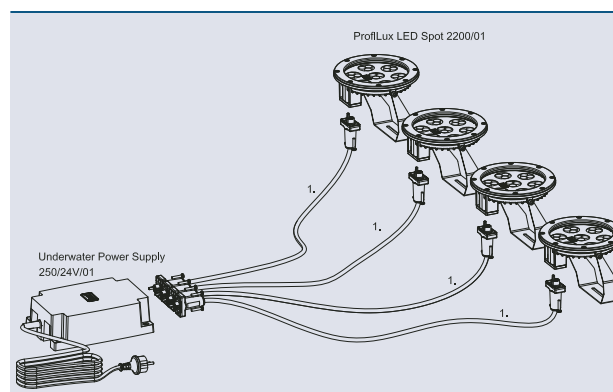
The white LED can also be individually controlled via DMX. In that case the light should be connected to the Underwater Switch 24 V DC/DMX/02 (56411, see page 168). Up to 4 LED's can be controlled indi-

vidually with this Underwater Switch (see system diagram 2). In addition a RDM-capable controller, for eg. WECS II (WECS II 512, WECS II 1024 or WECS II 2048, see page 174-182), is also required.



**Accessories** (must be ordered separately)

<b>Freestand Light</b> (see page 149)	50978
<b>Lamp Holder</b> (see page 150)	50786
<b>Underwater Switch 24 V DC/DMX/02</b> (see page 168)	56411
<b>Connecting cable DMX/01</b> (see page 162)	<b>Order no.</b>
Connecting cable DMX/1.0 m/01	12368
Connecting cable DMX/3.0 m/01	12369
Connecting cable DMX/5.0 m/01	12371
Connecting cable DMX/10.0 m/01	12372
Connecting cable DMX/20.0 m/01	12373
End Resistant for Bus-System DMX/01	12007
<b>Connecting cable 24V DC/01</b> (see page 160)	<b>Order no.</b>
Connecting cable 24V DC /1.0 m/01	12762
Connecting cable 24V DC /3.0 m/01	12552
Connecting cable 24V DC /7.5 m/01	12553
Connecting cable 24V DC /15.0 m/01	11720
<b>PowerBox 24 V DC / 01</b> (see page 160)	50493
<b>Underwater power supply 250 / 24 V / 01</b> (see page 170)	50733
<b>WECS II 512 / DMX/02</b> (see page 174)	56491
<b>WECS II 1024 / DMX/02</b> (see page 174)	56492
<b>WECS II 2048 / DMX/02</b> (see page 180)	56507



No.	Cable	Possible length
1	Power cable	1 m / 3 m / 7.5 m / 15 m

ProfiLux LED Spot 2200/01		
Luminous flux white	[lm]	2683
Colour temperature LED white	[K]	4000 (± 200)
Colour Rendering Index (CRI)	[%]	80
Beam angle	[°]	11 (± 2)
Energy efficiency category		A
Weighted energy consumption [kWh/1000h]		60.3
Rated voltage	[V/DC]	24
Power consumption	[W]	55
Rated current	[A]	2.3
Dim frequency	[Hz]	2800
Power connection type		24V DC Socket
Protection class		IP 68
Dimensions (∅ x h)	[mm]	188 x 156
Material		Stainless steel 1.4404 (AISI 316 L)
Weight	[kg]	2.75
<b>Order no.</b>		<b>56401</b>





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
ProfiLux LED Flood 2200	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## PROFILUX LED FLOOD 2200 /01

The ProfiLux LED Flood 2200 /01 is the new most powerful white LED light with 2683 lumen and a wide beam angle of 31° for wide area illumination.

The LED-flood-light has a high quality stainless steel housing and is suitable for fresh water, pool water and sea water application (for definition see page 246). Equipped with a temper-

ature control and a thermal protection, this neutral white LED light is also suitable for dry installation. The lifetime of these lights is up to 100,000 h.\*

This light comes with a watertight 24 V/DC connector.

### Product characteristics at a glance

- Energy efficient neutral white LED-light with mounting bracket and fine adjustment.
- 2683 Lumen with a beam angle of 31°, max. 55 Watt
- Colour temperature 4000 K
- 24 V/DC connector without cable
- Watertight in accordance with IP 68, easy to connect
- Reverse polarity protection
- Temperature controlled high quality LED for an extra-long life of up to 100,000 h.\*
- Wet and dry installation
- For fresh water, pool water and sea water
- Compact design (Ø x h) 188 x 36 [mm]
- DMX/RDM-controllable with Underwater Switch 24 V DC (on/off)

\*In case of underwater application, an intelligent heat management and quality LED enables a lifetime of up to 100.000 hrs. This claim does not entitle to a guarantee.

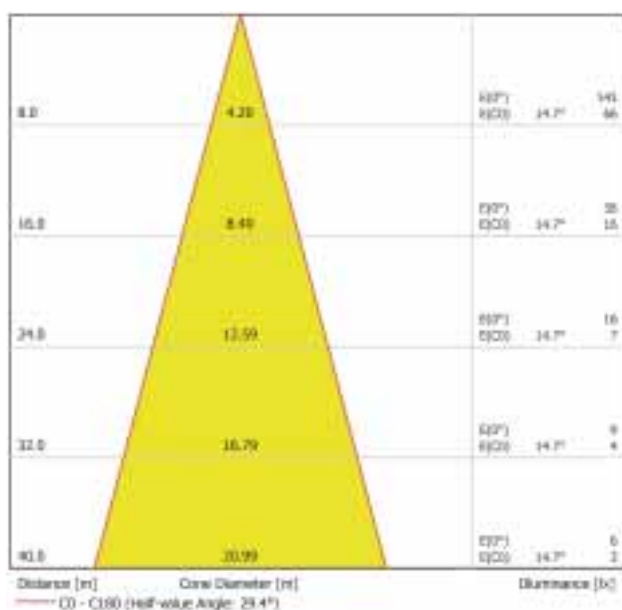


ProfiLux LED Flood 2200/01

The ProfiLux-LED-Flood light has a watertight 24 V/ DC socket connector for connecting it to the Underwater Power supply 250 24V/01 (50733, see page 170) with a 1.0 mtr.; 3.0 mtr.; 7.5 mtr. or 15 mtr. connecting cable (see page 160; see also system diagram 1).

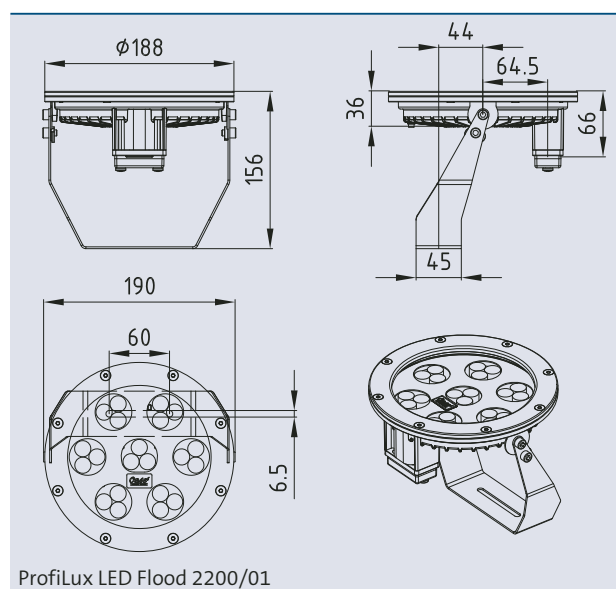
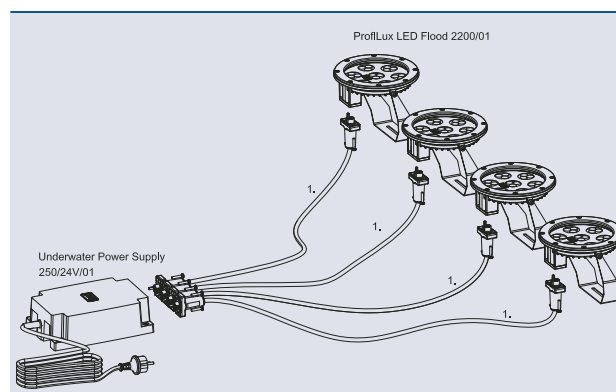
The white LED can also be individually controlled via DMX. In that case the light should be connected to the Underwater Switch 24 V DC/DMX/02 (56411, see page 168). Up to 4 LED's can be controlled indi-

vidually with this Underwater Switch (see system diagram 2). In addition a RDM-capable controller, for eg. WECS II (WECS II 512, WECS II 1024 or WECS II 2048, see page 174-182), is also required.



**Accessories** (must be ordered separately)

<b>Freestand Light</b> (see page 149)	50978
<b>Lamp Holder</b> (see page 150)	50786
<b>Underwater Switch 24 V DC/DMX/02</b> (see page 168)	56411
<b>Connecting cable DMX/01</b> (see page 162)	<b>Order no.</b>
Connecting cable DMX/1.0 m/01	12368
Connecting cable DMX/3.0 m/01	12369
Connecting cable DMX/5.0 m/01	12371
Connecting cable DMX/10.0 m/01	12372
Connecting cable DMX/20.0 m/01	12373
End Resistant for Bus-System DMX/01	12007
<b>Connecting cable 24V DC/01</b> (see page 160)	<b>Order no.</b>
Connecting cable 24V DC /1.0 m/01	12762
Connecting cable 24V DC /3.0 m/01	12552
Connecting cable 24V DC /7.5 m/01	12553
Connecting cable 24V DC /15.0 m/01	11720
<b>PowerBox 24 V DC / 01</b> (see page 160)	50493
<b>Underwater power supply 250 / 24 V / 01</b> (see page 170)	50733
<b>WECS II 512 / DMX/02</b> (see page 174)	56491
<b>WECS II 1024 / DMX/02</b> (see page 174)	56492
<b>WECS II 2048 / DMX/02</b> (see page 180)	56507



No.	Cable	Possible length
1	Power cable	1 m / 3 m / 7.5 m / 15 m

ProfiLux LED Flood 2200/01		
Luminous flux white	[lm]	2683
Colour temperature LED white	[K]	4000 (± 200)
Colour Rendering Index (CRI)	[%]	80
Beam angle	[°]	31 (± 2)
Energy efficiency category		A
Weighted energy consumption [kWh/1000h]		60,3
Rated voltage	[V/DC]	24
Power consumption	[W]	55
Rated current	[A]	2.3
Dim frequency	[Hz]	2800
Power connection type		24V DC Socket
Protection class		IP 68
Dimensions (Ø x h)	[mm]	188 x 156
Material		Stainless steel 1.4404 (AISI 316 L)
Weight	[kg]	2.75
<b>Order no.</b>		<b>56402</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
ProfiLux 370 LED 12 V/01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ProfiLux 370 LED 24 V/01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LunAqua 10 LED /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## PROFILUX 370 LED 01 / LUNAQUA 10 LED 01

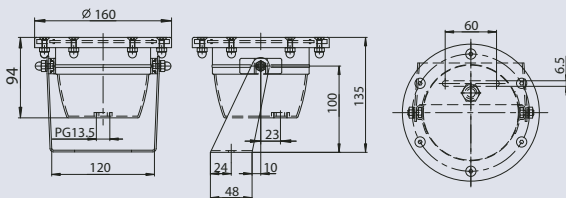
Our well-proven spotlights are now equipped with a warmwhite, energy efficient LED platine generating an impressive illumination. Both are equipped with performance- adjustment capability should the surrounding temperature increase to avoid damaging. Applicable at voltages are 12 V and also 24 V.

### Product characteristics ProfiLux 370 LED

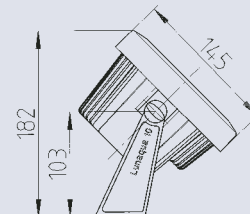
- 12 V AC/24 V DC compatible
- Stainless steel housing, warmwhite and circular LED platine
- Up to 8 spotlights of the 12V version can be connected to transformer UST 150 by using the power boxes
- Temperature protection
- Reverse polarity protection
- Incl. lamp (not dimmable)

### Product characteristics LunAqua 10 LED

- LED Spotlight warmwhite
- Compatible with connection cable and transformer of the LunAqua 10 Halogen system
- 12 V AC/24 V DC compatible
- Up to 8 spotlights of the 12V version can be connected to transformer UST 150 by using the power boxes
- Temperature protection
- Reverse polarity protection
- Incl. lamp (not dimmable)



ProfiLux 370 LED 12V/01 and ProfiLux 370 LED 24V/01

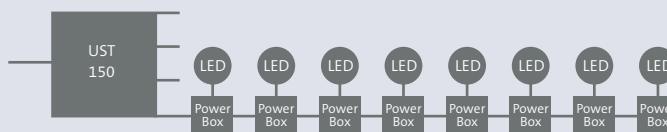


LunAqua 10 LED/01

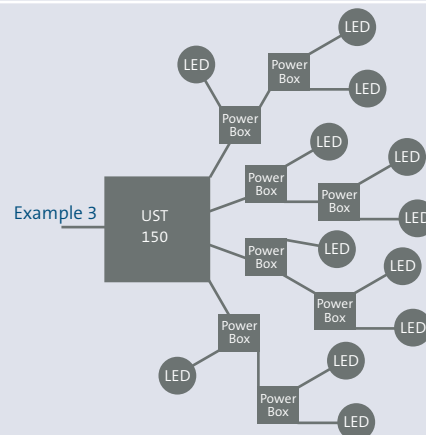
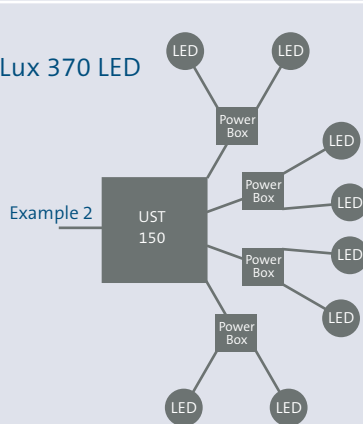
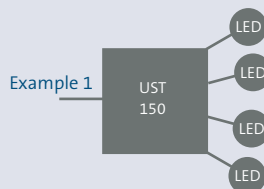


**Series circuit:**

- max. 8 x ProfiLux 370 LED in series
- for a series circuit the PowerBox plus cable is additionally required per spotlight!

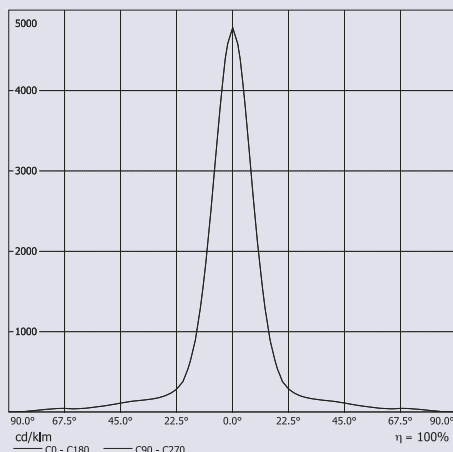

**Star circuit:**

- max. 12 x LunAqua 10 LED / ProfiLux 370 LED


**Accessories** (must be ordered separately)

Connecting cable 24V DC/01 (see page 160)	Order no.
Cable 24V DC /1.0 m/01	12762
Cable 24V DC /3.0 m/01	12552
Cable 24V DC /7.5 m/01	12553
Cable 24V DC /15.0 m/01	11720
Power Box 24V DC/01 (see page 160)	50493
Underwater power supply 250 / 24 V / 01 (see page 170)	50733

Connecting cable 12V AC/01 (see page 160)	Order no.
Cable 12V AC /1.0 m/01	12768
Cable 12V AC /3.0 m/01	12374
Cable 12V AC /7.5 m/01	12375
Cable 12V AC /15.0 m/01	11740
Power Box 12V AC/01 (see page 160)	50492
Underwater transformer UST 150/01 (see page 190)	50401
Underwater transformer UST 150/A/01 (see page 190)	50517



Abstand [m]	Kegeldurchmesser [m]	Beleuchtungsstärke [lx]
0.5	0.16	E(0°) 6981 E(C0) 3372
1.0	0.32	E(0°) 1745 E(C0) 843
1.5	0.48	E(0°) 776 E(C0) 375
2.0	0.64	E(0°) 436 E(C0) 211
2.5	0.80	E(0°) 279 E(C0) 135
3.0	0.96	E(0°) 194 E(C0) 94

Abstand [m] — C0 - C180 (Halbstrahlwinkel: 18.2°) — Beleuchtungsstärke [lx]

	ProfiLux 370 LED 12V/01	ProfiLux 370 LED 24V/01	LunAqua 10 LED/01
Dimensions (ø x H)	[mm] 160 x 135	160 x 135	145 x 100
Voltage	[V/Hz] 12 AC / 50-60	24 DC	12 AC / 24 DC / 50
Power consumption max.	[W] 10	10	10
Light intensity; Luminous flux	[cd/lm] 1800/370	1800/370	1800/370
Beam angle	[°] 20	20	20
Protection class	IP 68	IP 68	IP 68
Dimmable	no	no	no
Cable length	[m] 1.0 (with box)	1.0 (with box)	—
Material	Stainless steel 1.4301 (AISI 304)	Stainless steel 1.4301 (AISI 304)	Plastic
Weight	[kg] 2.5	2.5	1.6
<b>Order no.</b>	<b>50367</b>	<b>50474</b>	<b>50366</b>

\* bulbs excluded from the guarantee

Please consider the informations given in the manual if you wish to connect existing and new products!



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
LED-Stripe	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## LED-STRIPE

The new LED-Stripe in RGB or white enables individual accentuation of water surfaces by indirect lighting of wall edges, overflows. They are IP68 waterproof and used underwater.

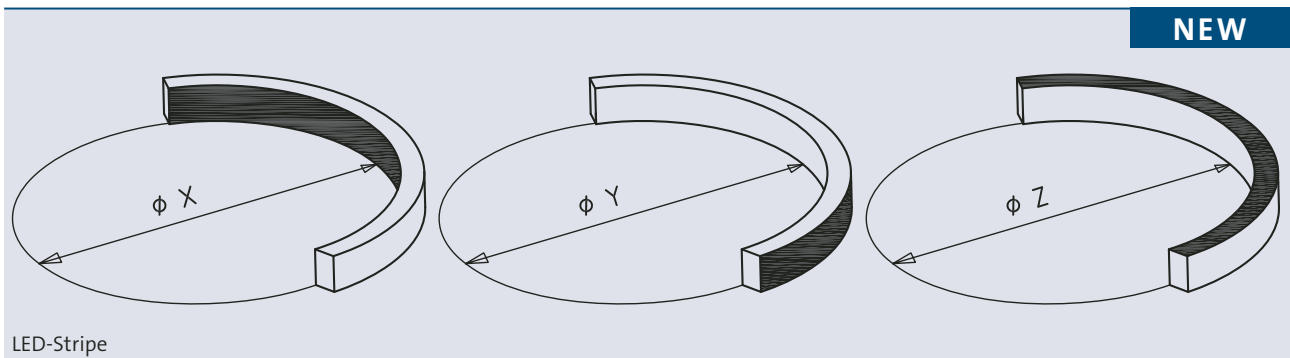
The LED-Stripe enhances the scope of fountain illumination and combination of fountain colours and form of the existing range of LED lights. The special architectural features can be highlighted by the LED-stripes which gives the fountain an individual character. Running lines of homogeneous lights in the pool create magical effects and a variety of patterns.

The extremely versatile and customizable LED-Stripe is available in various lengths or special lengths. They can be bent freely in different directions (see sketch below) allowing for increased flexibility in design. The matching profiles which are used to fix the LED-Stripes are available in different materials depending on their application. The easy mounting with the pre-fixed profiles allows the LED-Stripe to integrate invisibly in the existing pool structure.

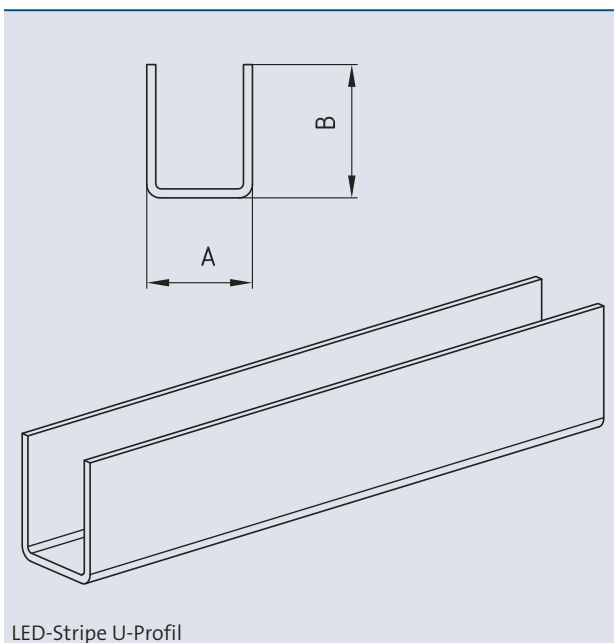
The RGB - LED stripe is connected to a DMX - driver which is supplied with it. Different lighting sequences or entire light shows can be created individually with a DMX controller (WECS II 512, 1024, 2048).



INNOVATION – MADE BY OASE



LED-Stripe



LED-Stripe U-Profil

Accessories (must be ordered separately)

WECS II 512/DMX/02 (see page 174)	56491
WECS II 1024/DMX/02 (see page 174)	56492
WECS II 2048/DMX/02 (see page 180)	56507

LED-Stripe	
Order no.	58916





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
ProfiLux E 101 Halogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
LunAqua 10 Halogen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## PROFILUX E 101 AND LUNAQUA 10 HALOGEN

Thanks to the compact design the ProfiLux E 101 to accentuate public areas with focused light effects and allow sculptures, water features, individual fountains, or plants, to radiate in light.

The housing of the halogen spotlight is made of robust stainless steel and is fitted with a PG 13.5 cable gland, as well as with a pivoting spotlight holder – also made of stainless steel.

### Product characteristics at a glance

- High-quality stainless steel spotlights
- Stainless steel bracket for simple and safe installation
- Halogen bulbs: 50 W, 75 W and 100 W
- With PG 13.5 cable entry



ProfiLux E 101

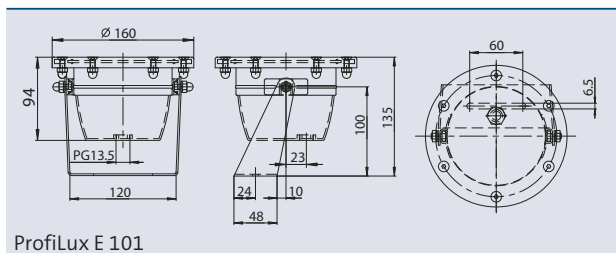
The spotlight, made of impact-resistant plastic, is connected to the 12-Volt safety transformer via special connections that can also be used underwater. This means that even greater distances to the 230 Volt outlet can be bridged with conventional cable. The transformer is equipped with 4 couplings to connect either 4 x 35 W, 3 x 50 W or 2 x 75 W, 12 V. The special structured glass cover, in conjunction with the aluminium reflector, creates optimal light efficiency. The mounting bracket enables a pivot range of approximately 180°.

### Product characteristics at a glance

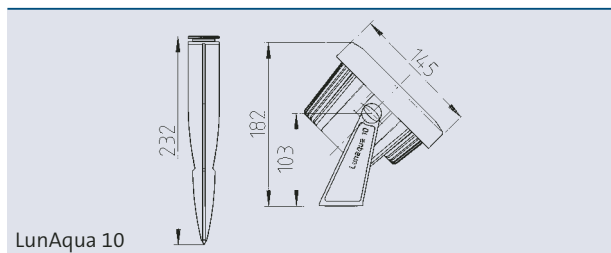
- Accentuates with rich light effects
- Can be implemented underwater and above the water surface (excl. 75 W lamp)
- Housing made of impact-resistant plastic
- Structured special glass cover for optimal light efficiency
- Mounting bracket with 180° pivot range



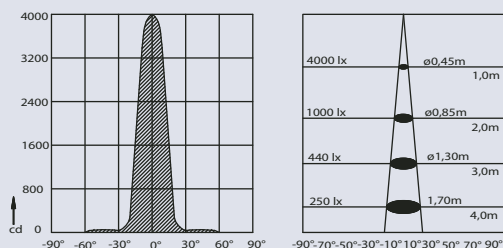
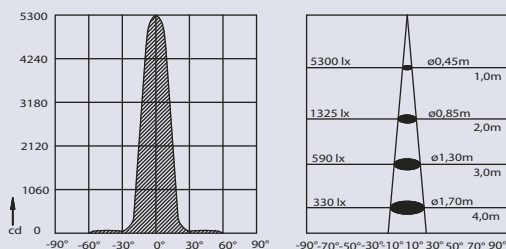
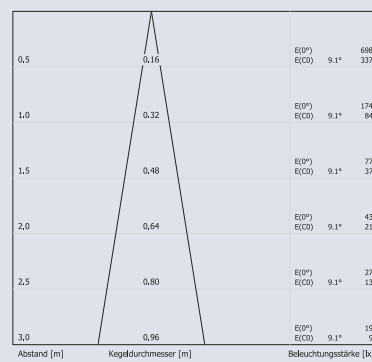
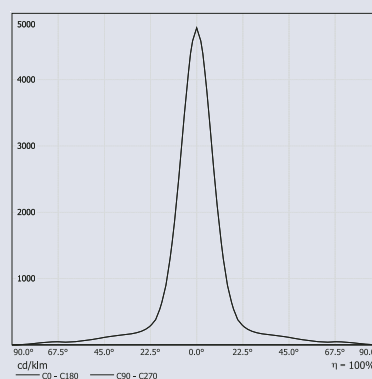
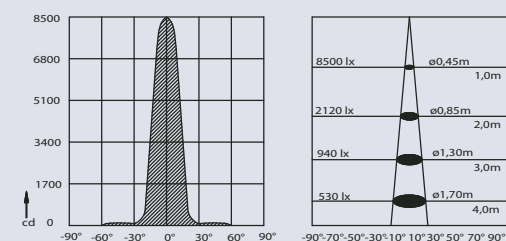
LunAqua 10



ProfiLux E 101



LunAqua 10

**Halogen 50W 24°**

**Halogen 75W 24°**

**Halogen 100W 24°**

**Accessories for LunAqua 10 (must be ordered separately)**
**Bulbs halogen bulb**

Colour	white	white	white
Voltage [V/Hz]	12/50-60	12/50-60	12/50-60
Power output [W]	35	50	75
Order no.	54035	54036	54037

**Accessories (must be ordered separately)**

Underwater transformer UST 150/01 (see page 190)	50401
Underwater transformer UST 150/A/01 (see page 190)	50517
Connecting cable 12V AC/01 (see page 160)	Order no.
Cable 12V AC /3.0 m/01	12374
Cable 12V AC /7.5 m/01	12375
Cable 12V AC /15.0 m/01	11740
Power Box	Order no.
Power Box 12V AC/01 (see page 160)	50492

**Spotlight LunAqua 10 halogen (Delivered without bulb, transformer and cable)**

Dimensions in mm (Ø x H)	[mm]	145 x 100
Nominal voltage	[V/Hz]	12/50-60
Bulb max.	[W halogen]	35 – 75 W halogen
Beam angle	[°]	24
Protection class		IP 68
Weight	[kg]	1.1
Order no.		54034

**Accessories for ProfiLux E 101 (must be ordered separately)**

Halogen reflector bulb			
Voltage [V/Hz]	12/50-60	12/50-60	12/50-60
Power output [W]	50	75	100
Beam angle	24°	24°	24°
Order no.	52939	52941	52943

**ProfiLux E 101 (Delivered without bulb, transformer and cable)**

Dimensions (Ø x H)	[mm]	160 x 135
Beam angle	[°]	24
Light intensity	[cd]	4000-5000
Bulb	[V/Hz]	12/50-60
Power consumption max.[W halogen]		50, 75 W halogen
Protection class		IP 68
Cable entries		1x PG 13.5
Material		Stainless steel 1.4301 (AISI 304)
Weight	[kg]	1.5
Order no.		56133

\*bulbs excluded from the guarantee

Please consider the informations given in the manual if you wish to connect existing and new LunAqua 10 products!



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
LunAqua 5.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
UWS TN 508	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## LUNAQUA 5.1 / UWS TN 508

The LunAqua 5.1 creates dazzling beauty, particularly underwater. This powerful spotlight brings even more light into the darkness and can also be installed in larger fountain systems.

LunAqua 5.1 has been especially designed for underwater operation and can be operated with PAR 38 100 W reflector bulbs in 12 Volts. This powerhouse convinces by a perfect price/ performance ratio, easy and safe installation, and versatile implementation as a single spotlight or in parallel group cabling. Input and output are fitted with high-quality PG cable glands for H05 or H07 cable.

### Product characteristics at a glance

- Maximum power above the water surface or underwater
- Housing made of impact-resistant plastic
- Extremely corrosion resistant
- For PAR 38 reflector bulbs up to 100 W
- Including stainless steel mounting bracket



LunAqua 5.1

Individual fountains, water effects, or plants are easily illuminated with the small but robust UWS TN 508 spotlights.

The compact design with a robust and corrosion-resistant Tombac construction: The UWS TN 508 spotlight is ideal for use in public displays. And the PG 11 cable glands enable individual spotlights to be connected in a chain.

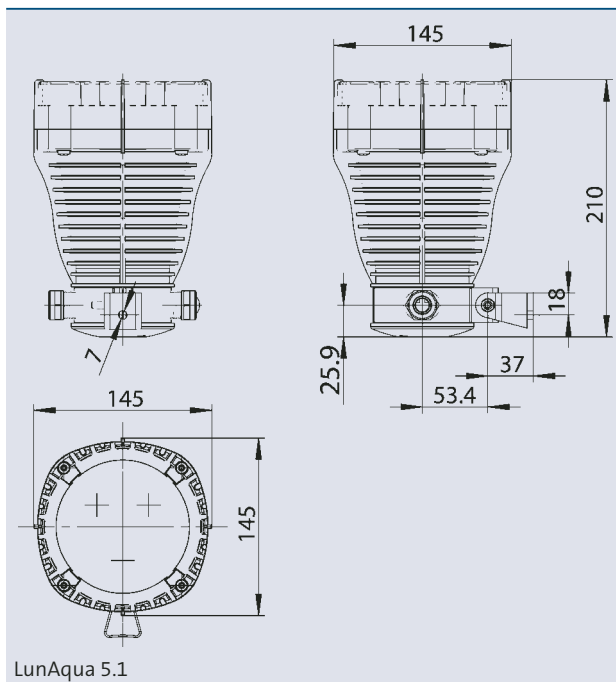
### Product characteristics at a glance

- Accentuates with rich light effects
- Can be implemented underwater and above the water surface
- Power consumption: 50 Watts
- Can be switched in series for a lighting chain

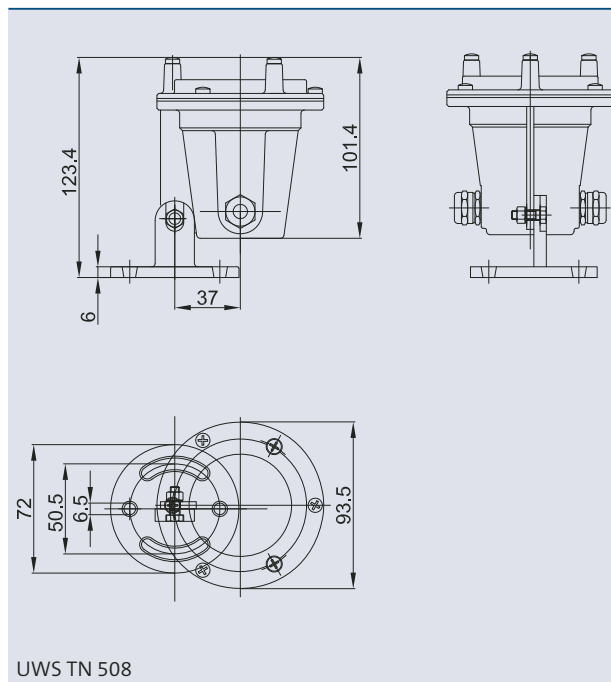


UWS TN 508





LunAqua 5.1



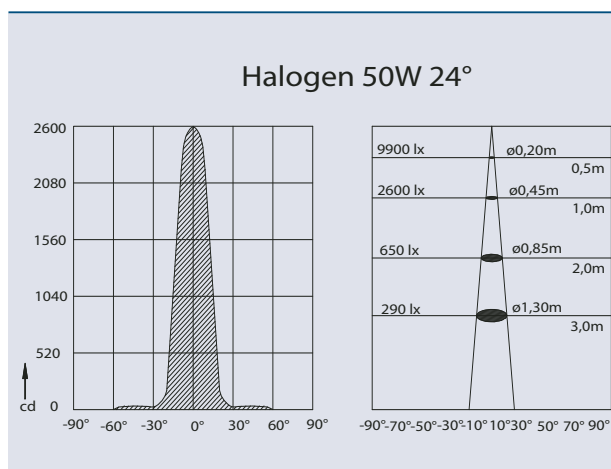
UWS TN 508

<b>Connection cable 12V AC/01</b> (see page 160)	<b>Order no.</b>
Cable 12V AC /3.0 m/01	<b>12374</b>
Cable 12V AC /7.5 m/01	<b>12375</b>
Cable 12V AC /15.0 m/01	<b>11740</b>
<b>Power Box</b>	<b>Order no.</b>
Power Box 12V AC/01 (see page 160)	<b>50492</b>

<b>Underwater transformer UST 150/01</b> (see page 190)	<b>50401</b>
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<b>LunAqua 5.1</b> Delivered with bulb		
Dimensions (ø x H)	[inch]	5.50 x 8.40
Cable inlets		2x PG 16
Power consumption	[W]	80
Nominal voltage	[V/Hz]	120/60
Protection class		IP 68
Mounting		E 26
Cable length	[ft]	2.50
Weight	[lbs]	5.60
<b>Order no.</b>		<b>57104</b>

<b>LunAqua 5.1</b> Delivered without bulb, transformer and cable		
Dimensions (ø x H)	[mm]	145 x 210
Cable inlets		2x PG 16
Cable diameter		H05 and H07
Power consumption	[W]	max. 100
Nominal voltage	[V/Hz]	12/50-60
Protection class		IP 68
Mounting		E 27
Cable length		-
Weight	[kg]	1.2
<b>Order no.</b>		<b>57427</b>



**Accessories for TN 508** (must be ordered separately)

<b>Replacement Halogen reflector bulb</b>		
Power consumption	[W]	50 W
Beam angle	[°]	30
<b>Order no.</b>		<b>51394</b>

<b>UWS TN 508</b> Delivered without transformer and cable, with bulb		
Dimensions (ø x H)	[mm]	94 x 125
Nominal voltage	[V]	12
Power consumption	[W]	50
Light intensity	[cd]	2600
Beam angle		24°
Protection class		IP 68
Cable inlets		2x PG 11
Material		Tombac
Weight	[kg]	1.10
<b>Order no.</b>		<b>51446</b>



UWS TS 111	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

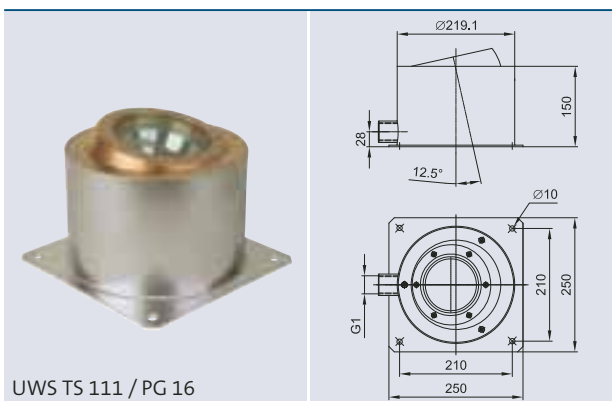
## UWS TS 111

These underwater spotlight has been designed with extra strength for professional use in public installations. In underwater operation they effectively set the stage for fountains and water features, out of the water they illuminate sculptures, buildings, or trees.

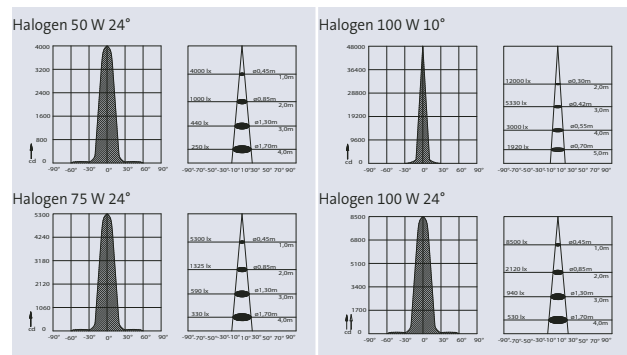
The spotlight housing is made of cast tombac and has a PG 16 cable gland for UWS TS 111. Halogen reflector bulbs are protected by a 15 mm thick, shatterproof safety glass lens, which is screw-fastened to the housing. The smooth surface ensures long cleaning intervals. The UWS TS 111 spotlight can be turned in all directions by 12.5° in its stainless steel installation housing. Two clamp rings enable precise alignment on site.

### Product characteristics at a glance

- Extremely robust tombac and stainless steel design
- Safety glass cover
- Flat surface for easy cleaning
- Extremely corrosion resistant
- Can also be used out of the water
- Supplied exclusive of connection cable, transformer, and bulb



UWS TS 111 / PG 16



### Accessories for UWS T 111 (must be ordered separately)

Halogen reflector bulb 12 V				
Colour	white	white	white	white
Power Output [W]	50	75	100	100
Beam angle	24°	24°	10°	24°
Order no.	52939	52941	52942	52943

Underwater transformer UST 150/01 (see page 190) 50401

Underwater transformer UST 150/A/01 (see page 190) 50517

Connecting cable 12V AC/01 (see page 160) Order no.

Cable 12V AC /3.0 m/01 12374

Cable 12V AC /7.5 m/01 12375

Cable 12V AC /15.0 m/01 11740

Power Box 12V AC/01 (see page 160) 50492

### UWS TS 111 Delivered without bulb, transformer and cable

Dimensions (ø x H)	[mm]	219 x 155
Nominal voltage	[V]	12
Power consumption	[W]	50, 75 or 100
Light intensity	[cd]	4500 – 50000
Beam angle	[°]	10 or 24
Protection class		IP 68
Cable inlets		1 x PG 16
Material		Tombac/stainless steel brass/1.4571 (AISI 316Ti)
Cable length		–
Weight	[kg]	11.0
Order no.		52909



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Freestand Light													

## FREESTAND LIGHT

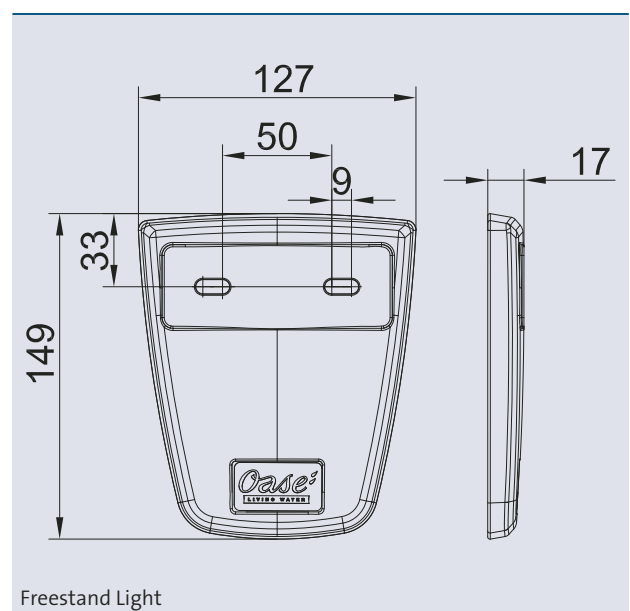
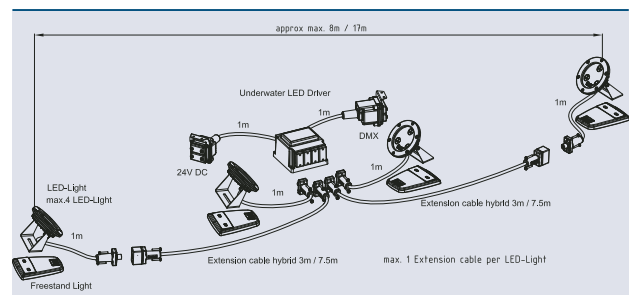
The Freestand Light is a stand for different lights.

### Product characteristics at a glance

- Stand for lights compatible with:
  - ProfiLux LED 320/DMX/02 50717
  - ProfiLux LED 1100/01 51296
  - ProfiLux LED Spot 1500/DMX/02 56388
  - ProfiLux LED Flood 1500/DMX/02 56391
  - ProfiLux LED Spot 2200/01 56401
  - ProfiLux LED Flood 2200/01 56402
  - ProfiLux E 100 56898
  - ProfiLux E 101 56133
  - LunAqua 10 halogen 54037
  - ProfiLux LED 12V/01 50367
  - ProfiLux LED 24V/01 50474
  - LunAqua 10 LED/01 50366
- Packing unit 4

### In the scope of delivery:

- Stand for ligths
- 2 x screw M6 x 18
- 2 x screw nut M6



Freestand Light

Freestand Light	
Dimensions (L x W x H) [mm]	149 x 127 x 17
Material	Stainless steel 1.4571 lt. Zg. (AISI 316Ti)
Weight [kg]	0.55
Order no.	50978





Lamp Holder	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## LAMP HOLDER

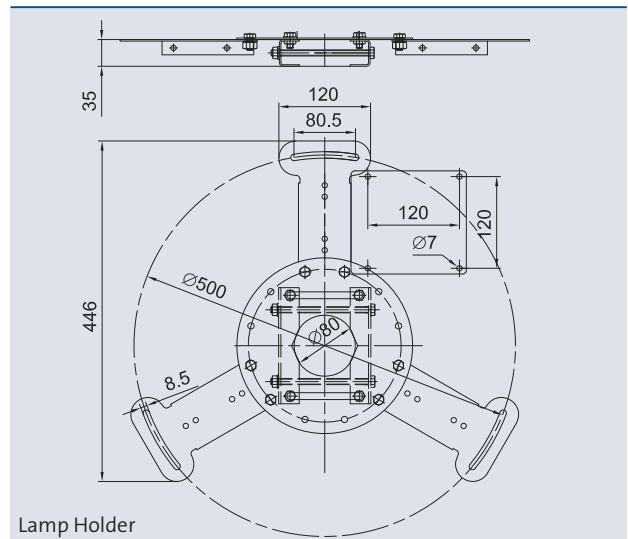
For fast, easy, and secure mounting of up to six spotlights with the associated underwater transformers.

The holders can be mounted on all types of pipes above and below the water surface with an adjustable quick clamp fixture. Thus the spotlights can be symmetrically fixed in place around a nozzle pipe. Thanks to the corrosion-resistant total metal construction and the robust design the spotlight holders are extremely reliable and offer a long service life.

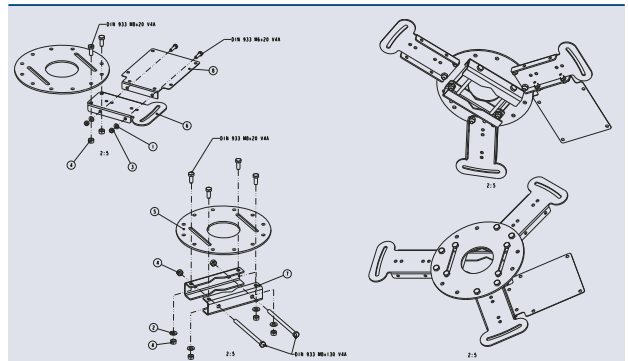
### Product characteristics at a glance

- Lamp Holder compatible with:
 

- ProfiLux LED 320/DMX/02	50717
- ProfiLux LED 1100/01	51296
- ProfiLux LED Spot 1500/DMX/02	56388
- ProfiLux LED Flood 1500/DMX/02	56391
- ProfiLux LED Spot 2200/01	56401
- ProfiLux LED Flood 2200/01	56402
- ProfiLux E 100	56898
- ProfiLux E 101	56133
- LunAqua 10 halogen	54037
- ProfiLux LED 12V/01	50367
- ProfiLux LED 24V/01	50474
- LunAqua 10 LED/01	50366
- For Pipes from ½" to 2" (24 mm up to 67 mm)



Lamp Holder



Lamp Holder



Lamp Holder

Lamp Holder	
Dimensions (L x W x H) [mm]	446 x 446 x 37
Material	Stainless steel 1.4571 (AISI 316Ti)
Weight [kg]	3.4
Order no.	50786



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
LED Modul II 960 / DMX / 02													

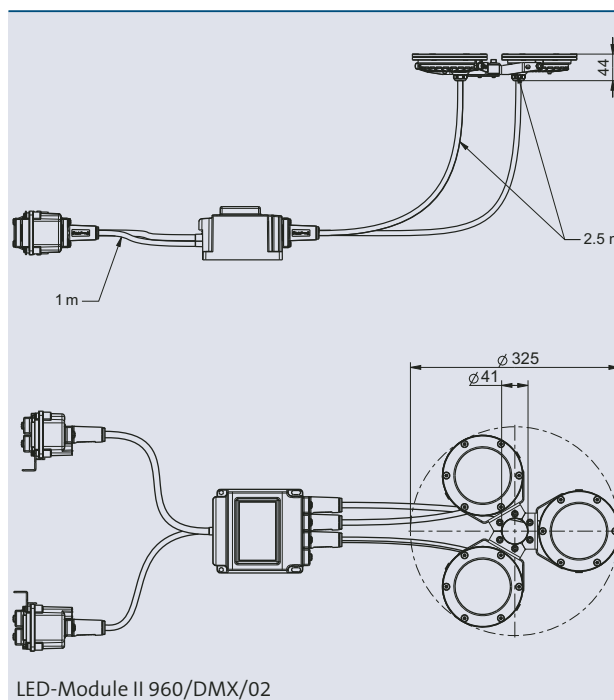
## LED-MODULE II 960/DMX/02

LED-Module is designed for the Multi Directional Drive (MDD II; MDD 3D). This Module fits also for the Comet Prec 20-20 Silver and FanJet 10-20-6 Silver.

### Product characteristics at a glance

- Energy efficient LED-RGB spotlight with holder
- Optimized for use with Multi Directional Drives
- Dia. 40 mm center clamp holder
- Temperature controlled high class LED
- Illumination height up to approx. 15 m
- External electronic in a separate control/ power box – easy pluggable connection
- Wet and dry installation - waterproof IP 68
- RDM-DMX capable
- Lifetime: 100.000 h\*
- Incl. 50720 Underwater LED Driver /DMX/02

\*In case of underwater application, an intelligent heat management and quality LED enables a lifetime of up to 100.000 hrs. This claim does not entitle to a guarantee.



LED-Module II 960/DMX/02



LED Modul II 960 / DMX / 02

### LED-Module II 960/DMX/02

Dimensions (ø x H)	[mm]	320 x 44
Consumption current	[A]	2.1
Nominal voltage	[V/DC]	24
Luminous flux	[lm]	960
Power consumption	[W]	48
Beam angle	[°]	18
Protection class		IP 68
Power / Data connection	[m]	Hybrid cable 1
Illumination range	[m]	approx. 15
Material		stainless steel
Weight incl. Underwater LED controller	[kg]	3.5
<b>Order no.</b>		<b>51069</b>

# POWER

POWER

MEASURE – CONTROL – REGULATE



## Measure - control - regulate

The DMX/RDM technology opens up totally new possibilities in the areas of remote diagnostics and remote maintenance; the DMX/RDM controller transmits control commands to the devices and receives information such as runtime and temperature of the electronics from the devices. Through installation of the new WECSII 512/1024 Webserver Extension software you get an integrated web server on the WECS II 512 / 1024 control unit. This enables optimal remote control around the clock via Internet or WLAN. Learn more on page 174.

Through perfect interplay of all components of the ensemble in a network, the operator always has a complete overview of the functions. In this regard, there

are some basic principles that must be respected in the conception phase of water features and fountains:

- Electrical cables must be laid out in the pool, and they must be connected in such a manner that they are waterproof.
- If there is wind, the fountain height must be adapted to wind conditions, and the water level must always be compensated.
- When it gets dark, each fountain radiates with a fascinating brilliance produced by the use of underwater lights and the sophisticated play of colour.
- Sound, video, lasers, and pyrotechnics complete the fascinating water show effects.





## 152 Power

- 154 Cable transition armatures
- 156 Underwater cable connectors
- 158 Power splice
- 160 Connection cable
- 162 Connection cable DMX
- 162 DMX-Box/01
- 164 Extension cable hybrid
- 164 Hybrid Connection box
- 166 Underwater LED Driver
- 168 Underwater Switch
- 170 Underwater Power Supply
- 172 Electrical Switchgear
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### KLCC PARK/PETRONAS TOWERS

#### LOCATION: KUALA LUMPUR/ MALAYSIA

KLCC is the abbreviation of Kuala Lumpur City Centre, and KLCC Park is located in the heart of the city, at the foot of the monumental Petronas Towers. The musical fountain consists of more than 480 individually controlled water effects and more than 1,000 underwater lights.



Underwater Power Supply 250 24V/01



WECS II 512/1024/DMX/02 webserver extension

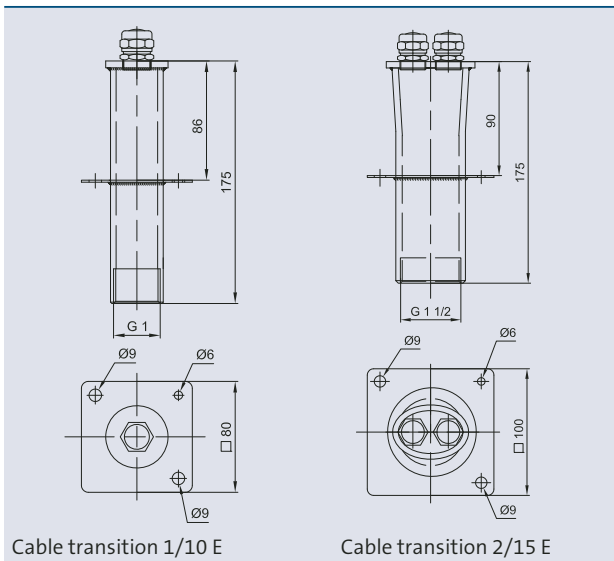


WECS II 512/1024/DMX/02



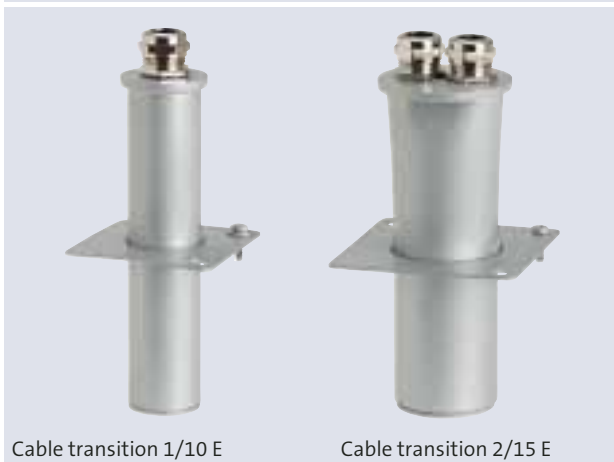
	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Cable transition													

## CABLE TRANSITION KD 1/10 E AND KD 2/15 E CABLE TRANSITION KD 4/70 T, KD 7/100 T AND KD 12/100T



Cable transition 1/10 E

Cable transition 2/15 E



Cable transition 1/10 E

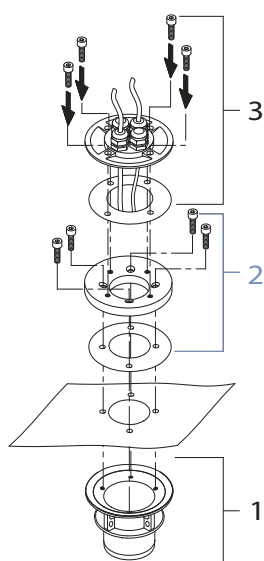
Cable transition 2/15 E

Electrical cables are routed under the water surface in all types of pools via cable transition armatures, in a manner that keeps cable transitions waterproof and invisible.

### Product characteristics at a glance

- Elegant and professional connection to cable protection pipes
- Water-tight cable transitions through concrete basins
- Some units are suitable for liner
- Plug connection for connecting to the KG channel pipe or ED house installation pipe

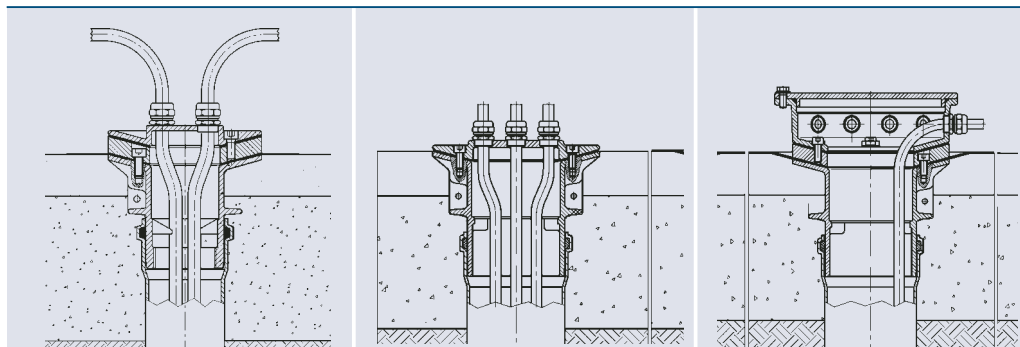
Cable transition		1/10 E	2/15 E
Dimensions (W x H)	[mm]	80 x 175	100 x 175
Number of cable connections		1	2
Suitable for cable diameter	[mm]	7 – 14	7 – 14
Connections	[inch]	1	1½
Material		Stainless steel 1.4571 (AISI 316Ti)	
Weight	[kg]	0.6	0.9
Order no.		51741	51740



**1** The concrete part is the basis of every configuration. Available for DN 70 and/or DN 100 pipes.

**2** The clamping flange for fastening with or without liner. Products without cable transitions are listed on page 232 ff.

**3** Depending on the requirement a decision is made at this point concerning the specific implementation: Plug, sieve, overflow or level regulator.



3	Cable transition 4/70 T	Cable transition 7/100 T	Cable transition 12/100 T
Dimensions (ø x H) [mm]	150 x 50	190 x 50	230 x 70
Designation	cable transition	cable transition	cable transition
Number of cable connections	4	7	12
DN	70	100	100
Material	Tombac	Tombac	Tombac
Weight [kg]	1.1	1.9	5.5
Order no.	57470	57464	57465

2 (optional)	Liner clamping flange 70 T KD	Liner clamping flange 100 T KD
Dimensions (ø x H) [mm]	148 x 27	188 x 27
Designation	liner clamping flange KD	liner clamping flange KD
DN	70	100
Material	Tombac	Tombac
Weight [kg]	2.0	2.9
Order no.	57473	57474

1	Concrete part 70 T	Concrete part 100 T
Dimensions (ø x H) [mm]	70 x 110	100 x 141
Designation	concrete part	concrete part
DN [mm] / [inch]	70 / 2"	100
Material	Tombac	Tombac
Weight [kg]	2.1	3.2
Order no.	57471	57467

Please follow the international and local norm





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Underwater cable connector													
Junction Box													

## UNDERWATER CABLE CONNECTOR T 3 JUNCTION BOX 8/M20 / 14/M20

OASE underwater cable connectors are used for connecting and separating elements for electrical consumers, such as underwater pumps, or underwater spotlights, in all areas of water technology.

They enable trouble-free connection and disconnection of consumers from supply lines. Separation is necessary for example if the consumer must be removed for service purposes. With OASE underwater cable connectors, usually connecting and disconnecting is possible without draining the water.

All types have a transparent lid. Several blind plugs are supplied with each underwater cable connector to seal unused cable glands.

### Product characteristics at a glance

- A solution that has proven itself in practice
- For small, medium-sized, and larger consumers
- With transparent lid for checking
- Corrosion resistant

Cable connectors are connecting and separating elements for electrical consumers in all areas of water technology. Consumers can be conveniently connected and disconnected – and thanks to OASE – even without draining the water!

The new junction box is a revolution in the field of underwater cable connectors: It is easy to install and offers many combination possibilities.

The junction box is available in 2 standard versions: The junction box 8/M20 contains 8 and the 14/M20 comes with 14 pieces of M20 cable glands.

### Product characteristics at a glance

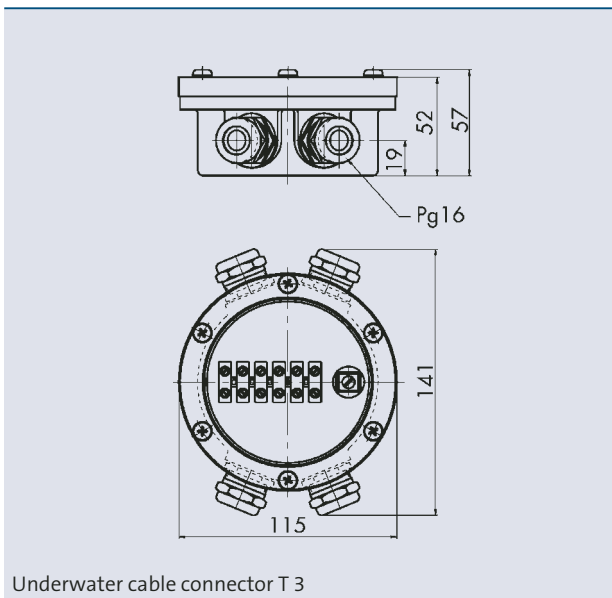
- 8 or 14 cable glands
- Easy service



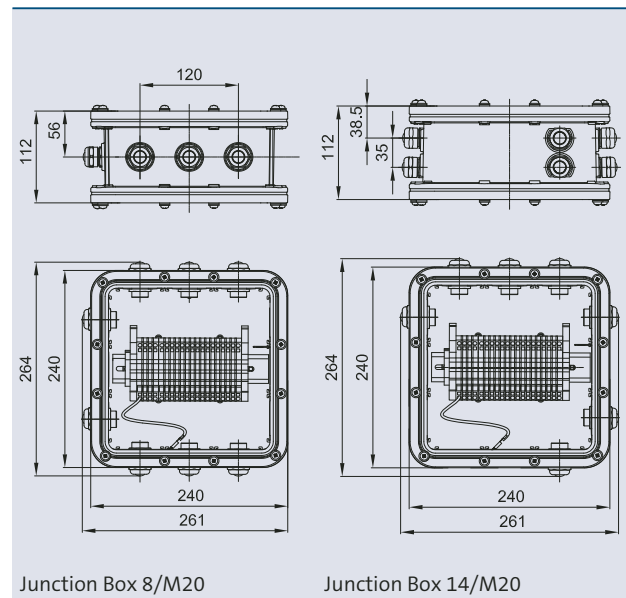
Underwater cable connector T 3



Junction Box 8/M20 and 14/M20



Underwater cable connector T 3



Junction Box 8/M20

Junction Box 14/M20

Junction Box	Underwater cable connector	8/M 20	14/M 20
Dimensions (L x W xH) [mm]	( $\varnothing$ x H) 115 x 57	264 x 261 x 112	264 x 261 x 112
Protection class	IP 68	IP 68	IP 68
Number of cable glands	4 x M20	8 x M20	14 x M20
Suitable for cable diameter	6 – 13	6 – 13	6 – 13
Number of terminals	5	16 (4 mm <sup>2</sup> )	18 (4 mm <sup>2</sup> )
Number of PE terminals	1	5 (4 mm <sup>2</sup> )	6 (4 mm <sup>2</sup> )
Material	Tombac	PET-GF45 / Makrolon	
Weight [kg]	1.2	3.4	3.9
Order no.	51334	57486	50358

Please follow the international and local norm



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Power splice 20													

## POWER SPLICE 20

Underwater cable connector (1 to 1) for different cable diameter from 7 to 10 millimeters, wire diameters from 0.2 mm<sup>2</sup> to 2.6 mm<sup>2</sup>.

Packing unit 3



Power splice 20



Power splice 20

### Scope of Delivery

- 1 - Potting material 2k
- 2 - Sandpaper
- 3 - Pair of gloves
- 4 - Crimp connector 0.2 mm<sup>2</sup> - 0.5 mm<sup>2</sup>
- 5 - Crimp connector 0.6 mm<sup>2</sup> - 1.0 mm<sup>2</sup>
- 6 - Crimp connector 1.1 mm<sup>2</sup> - 2.6 mm<sup>2</sup>
- 7 - Cable tie
- 8 - Pipe with grommet

### Tools needed on site

- Side cutter
- Crimp tool
- Wire stripper
- Cutter knife

Power splice 20		
Dimensions (D x H)	[mm]	26 x 150
Suitable for	[V]	DMX-cable, hybrid cable, 24V DC, 12V AC, 230V, 400V
Protection class		IP 68
Suitable for cable diameter	[mm]	7 - 10
Material		PET
Weight	[kg]	0.50
Packaging unit		3
<b>Order no.</b>		<b>57648</b>



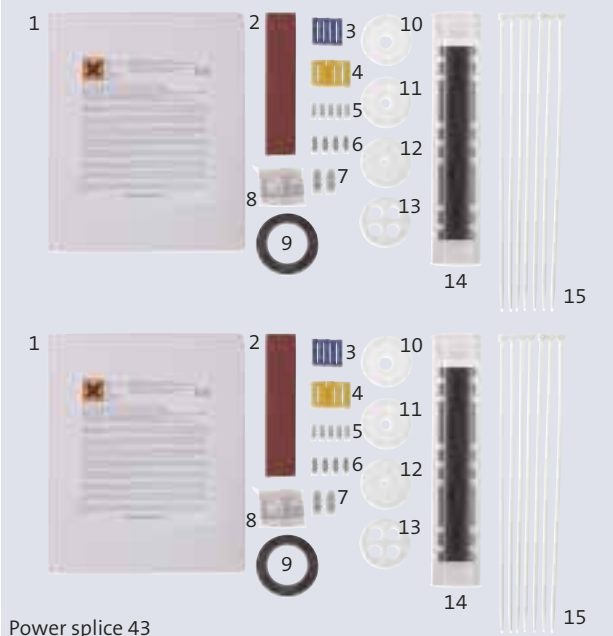


	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Power splice 43													

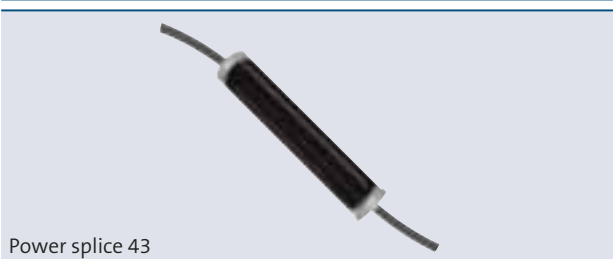
## POWER SPLICE 43

Underwater cable connector (1 to 1-4) for different cable diameters from 5.5 to 16 millimeters, wire diameters from 1.1 mm<sup>2</sup> to max. 10 mm<sup>2</sup>.

Packing unit 2



Power splice 43



Power splice 43

### Scope of Delivery

- 1 - Potting material 2k
- 2 - Sandpaper
- 3 - Crimp connector 1,1 mm<sup>2</sup> - 2,6 mm<sup>2</sup>
- 4 - Crimp connector 4 mm<sup>2</sup> - 6 mm<sup>2</sup>
- 5 - Luster terminal 0,5 mm<sup>2</sup> - 1,5 mm<sup>2</sup>
- 6 - Luster terminal 1,5 mm<sup>2</sup> - 4 mm<sup>2</sup>
- 7 - Luster terminal 10 mm<sup>2</sup>
- 8 - Pair of gloves
- 9 - Adhesive tape
- 10 - Grommet d 11,5 mm
- 11 - Grommet d 8,5 mm
- 12 - Grommet d 5 mm
- 13 - Grommet 4 x d 11mm for distributor
- 14 - Pipe with grommet + holder insert
- 15 - Cable tie

### Tools needed on site

- Slotted screwdriver
- Side cutter
- Cutter knife
- Crimp tool
- Wire stripper

Power splice 43		
Dimensions (D x H)	[mm]	48 x 240
Suitable for	[V]	Hybrid cable, 24V DC, 12V AC, 230V, 400V
Protection class		IP68
Suitable for cable diameter	[mm]	5.5 - 16
Material		PET
Weight	[kg]	0.70
Packaging unit		2
<b>Order no.</b>		<b>57649</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Connection cable 12V AC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Connection cable 24V DC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PowerBox 12 V AC / 01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PowerBox 24 V DC / 01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## CONNECTION CABLE 12V AC/01 AND 24V DC/01

OASE connection cables 12 V AC/01 and 24 V DC/01 are designed specially for underwater applications.

The unique connection sockets are IP 68 rated.  
The gaskets are integrated in the plugs.

### Product characteristics at a glance

- female / female connections
- IP 68 rated
- 24 V DC reverse polarity protection



Connection cable 12V AC



Connection cable 24V DC







Accessories (must be ordered separately)

Power splice

57648

<p><b>Female 12 V AC/01</b></p>					
<p><b>Female 24 V DC/01</b></p>					
<b>Connection Cable 12 V AC/01</b>	<b>1.0 m</b>	<b>3.0 m</b>	<b>7.5 m</b>	<b>15.0 m</b>	<b>Power Box 12 V</b>
Length [m]	1.0	3.0	7.5	15.0	
Diameter (ø) [mm <sup>2</sup> ]	2 x 2.5	2 x 2.5	2 x 2.5	2 x 2.5	
Weight [kg]	0.2	0.4	1.4	2.6	0.47
<b>Order no.</b>	<b>12768</b>	<b>12374</b>	<b>12375</b>	<b>11740</b>	<b>50492</b>
<b>Connection cable 24 V DC/01</b>	<b>1.0 m</b>	<b>3.0 m</b>	<b>7.5 m</b>	<b>15.0 m</b>	<b>Power Box 24 V</b>
Length [m]	1.0	3.0	7.5	15.0	
Diameter (ø) [mm <sup>2</sup> ]	2 x 2.5	2 x 2.5	2 x 2.5	2 x 2.5	
Weight [kg]	0.2	0.4	1.4	2.6	0.47
<b>Order no.</b>	<b>12762</b>	<b>12552</b>	<b>12553</b>	<b>11720</b>	<b>50493</b>





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
DMX-connection cable													
DMX-Box/01													

## DMX-CONNECTION CABLE AND DMX-Box/01

OASE connection cable DMX/01 cables are designed specially for underwater applications.

The unique connection sockets based on XLR standards (5-pole) are IP 68 rated. The gaskets are integrated in the plugs.

### Product characteristics at a glance

- Female / male connections
- IP 68 rated
- 2-core shielded
- DMX/RDM capable

The DMX/01 Box is for the connection of DMX cable.

The DMX/01 Box can be used for Extensions of DMX cable.

### Product characteristics at a glance

- Female / male connection
- IP 68 rated
- DMX/RDM capable



Connection cable DMX



DMX-Box/01





Distance piece with blind caps



Accessories (must be ordered separately)

Power splice	57648	Distance piece with blind caps	46230
--------------	-------	--------------------------------	-------

Connection cable DMX/01	1.0 m	3.0 m	5.0 m	10.0 m	20.0 m	End resistant for BUS-system DMX/01	DMX-Box/01
<p><b>Female</b></p> <p><b>Male</b></p>							
Connection cable DMX/01	1.0 m	3.0 m	5.0 m	10.0 m	20.0 m	End resistant for BUS-system DMX/01	DMX-Box/01
Length [m]	1.0	3.0	5.0	10.0	20.0	–	–
Diameter (ø) [mm <sup>2</sup> ]	2 x 0.34	2 x 0.34	2 x 0.34	2 x 0.34	2 x 0.34	–	–
Weight [kg]	0.2	0.4	0.7	1.8	3.3	0.1	0.1
Order no.	12368	12369	12371	12372	12373	12007	57646



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Extension cable hybrid													
Hybrid Connection box													

## EXTENSION CABLE HYBRID 3.0M/01 AND 7.5M/01 HYBRID CONNECTION BOX

OASE Extension cable hybrid are designed for underwater applications as well.

The Extension cable hybrid (data+ power supply) are suitable for:

- ProfiLux LED 110/DMX/02 (56267)
- ProfiPlane LED 110/DMX/02 (56298)
- ProfiLux LED 320/DMX/02 (50717)
- ProfiRing LED 320/DMX/02 (50718)
- ProfiPlane LED 320/DMX/02 (50719)
- ProfiLux LED Spot 1500/DMX/02 (56388)
- ProfiLux LED Flood 1500/DMX/02 (56391)

Only one extension cable can be used per LED unit.

### Product characteristics at a glance

- Extension cable hybrid 3.0 m or 7.5 m long with connector
- Female / male connections
- IP 68 protection
- 4-core shielded

### Scope of delivery

- 4 x screw M5
- 1 x cable
- 1 x connector



Extension cable hybrid/3.0m/01



Extension cable hybrid/7.5m/01







The Hybrid connection box is a junction box from one hybrid connection to max. 4 slots. The Hybrid connection box has a waterproof plug connection (Plug and Spray) for OASE hybrid cables.

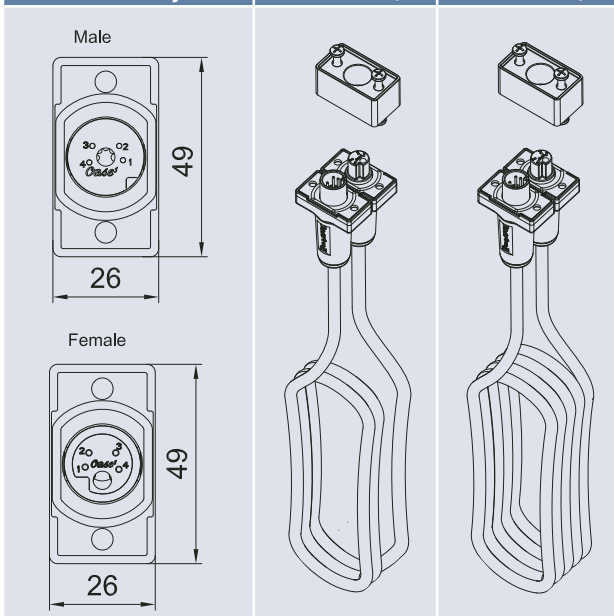
#### Product characteristics at a glance

- Hybrid connection box for max. 4 lights (ProfiLux LED 110/DMX/02 or ProfiPlane LED 110/DMX/02)
- All 4 outlets just simultaneously controllable
- RDM status information from outlet 1
- Female / male connection
- Protection class IP 68
- Only one connection box per Line

Accessories (must be ordered separately)

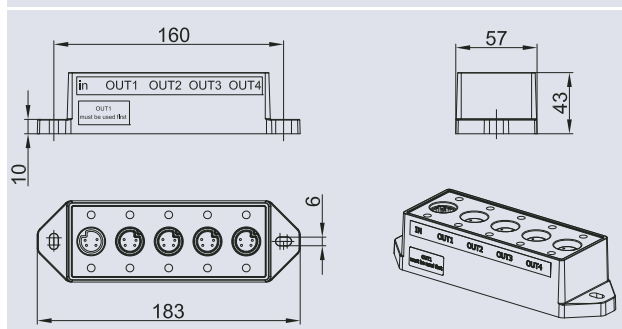
Power splice	57648
--------------	-------

Extension cable hybrid	3.0 m/01	7.5 m/01
------------------------	----------	----------



Extension cable hybrid	3.0 m/01	7.5 m/01
Length [m]	3.0	7.5
Diameter (Ø) [mm <sup>2</sup> ]	4 x 0.34	2 x 1; 2 x 0.24
Weight [kg]	0.38	0.38
Order no.	50728	56403

Hybrid Connection box



Hybrid Connection box

Hybrid connection box		
Dimensions (L x W x H) [mm]		184 x 54 x 43
Maximum current [A]		7.5
Weight [kg]		0.4
Order no.		56404



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Underwater LED Driver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## UNDERWATER LED DRIVER/DMX/02

The Underwater LED Driver / DMX / 02 is the driver for LED-RGB(W) light: Up to 4 lights can be controlled individually.

The LED-RGB (W) lights in combination with the Underwater LED Driver can be controlled via DMX/RDM. They send back information like running time to the electrical controller. These status signals enable remote diagnosis and remote maintenance. This is the service concept for the future.

Due to its robust construction, the whole system is suitable for fresh water, pool water and sea water applications (for definition see page 246). The Underwater LED Control is equipped with one DMX-box with one meter cable and one power-box with one meter cable (for power supply). The waterproof plug-in connection system eliminates the need for manual wiring of the individual strands.

### Product characteristics at a glance

- Controller for LED-light
- Underwater LED control for:
 

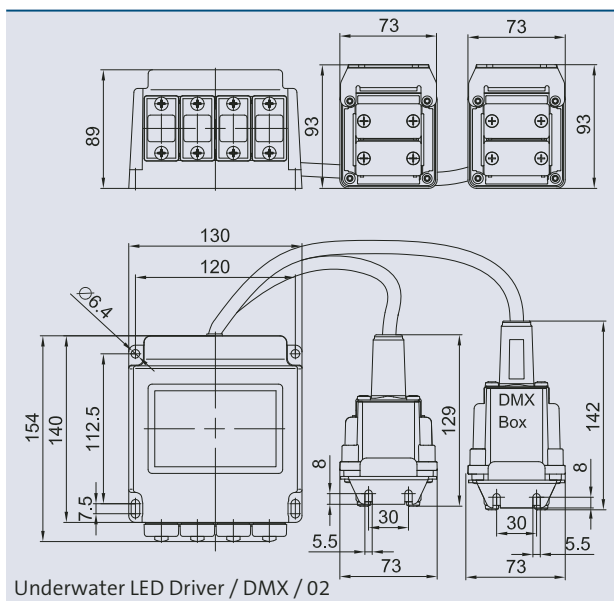
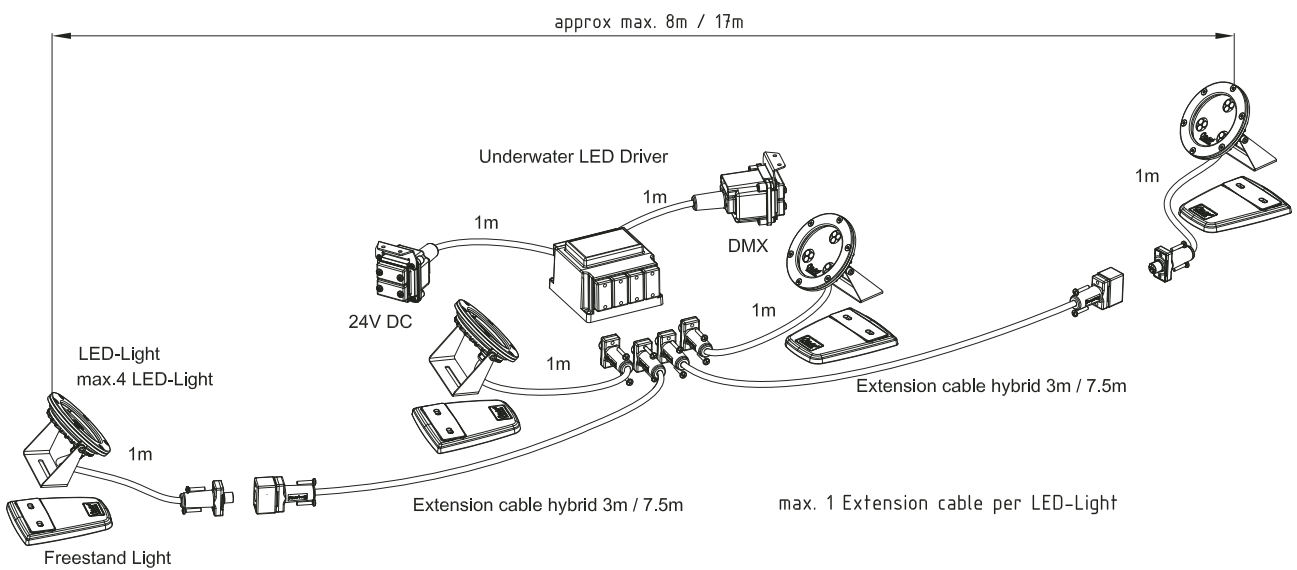
ProfiLux LED 110/DMX/02	56267
ProfiPlane LED 110/DMX/02	56298
ProfiLux LED 320/DMX/02	50717
ProfiRing LED 320/DMX/02	50718
ProfiPlane LED 320/DMX/02	50719
ProfiLux LED Spot 1500/DMX/02	56388
ProfiLux LED Flood 1500/DMX/02	56391
- Input: 1 x 24 V/DC; 1 x DMX-RDM
- Up to 4 LED Spots
- Individually controllable via DMX/RDM
- IP 68 protection
- With patented underwater connection technology



Underwater LED Driver







Underwater LED Driver / DMX / 02		
Dimensions (L x W x H)	[mm]	153 x 130 x 89
Slot		4 x Hybrid (Data + Power)
Max. secondary power	[W]	180
Protection class		IP 68
DMX Connection		1.0 m with Box
Power Connection		1.0 m with Box
Weight	[kg]	2.90
<b>Order no.</b>		<b>50720</b>





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Underwater Switch 24V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## UNDERWATER SWITCH 24V / DMX / 02

The Underwater Switch 24V / DMX / 02 is a 24 V DC underwater switch to control all monochrome 24 V DC LED lights, 24 V DC halogen lights and AirNozzles for max. 4 devices. The DMX-RDM capable Underwater Switch 24 V DC / DMX / 02 enables a reduction of the system costs by up to 50 %. Due to the 24 volt-age IP 68 plug connection the device can be installed quickly and easily.

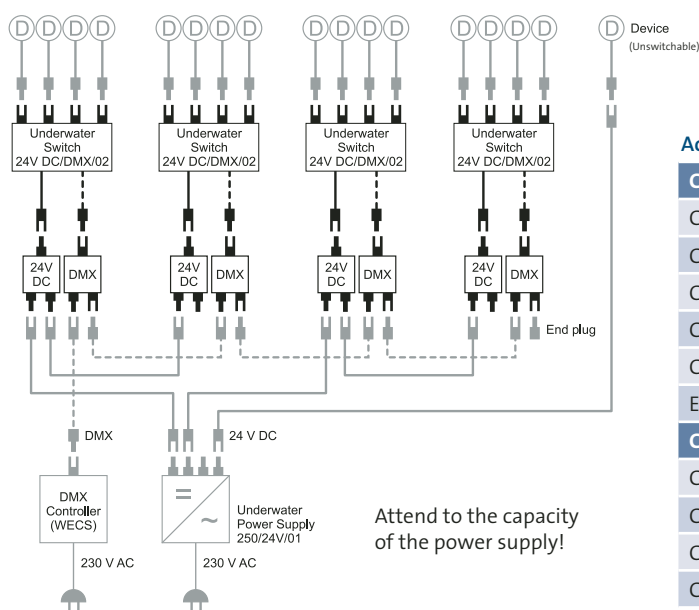
### Product characteristics at a glance

- 24 V DC Underwater Switch for:
  - Air Nozzle 24 V DC
  - All monochrome 24 V DC LED lights
  - 24 V DC halogen lights
- Input: 1 x 24 V DC; 1 x DMX-RDM
- Output: 4 x 24 V DC switchable
- All 4 slots are freely programmable (on/off)
- Protection class: IP 68
- Suitable for operation in sea water
- With patented underwater connection technology



Underwater Switch 24V / DMX / 02

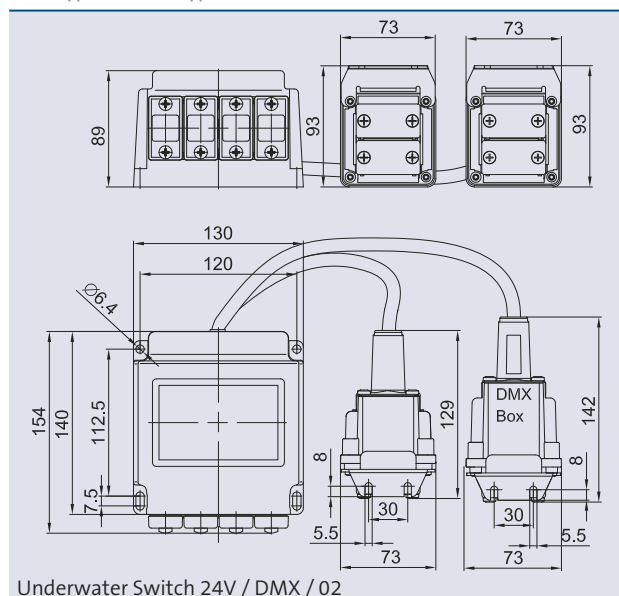



**Accessories** (must be ordered separately)

Connecting cable DMX/01 (see page 162)	Order no.
Connecting cable DMX/1.0 m/01	12368
Connecting cable DMX/3.0 m/01	12369
Connecting cable DMX/5.0 m/01	12371
Connecting cable DMX/10.0 m/01	12372
Connecting cable DMX/20.0 m/01	12373
End Resistant for Bus-System DMX/01	12007
Connecting cable 24V DC/01 (see page 160)	Order no.
Connecting cable 24V DC /1.0 m/01	12762
Connecting cable 24V DC /3.0 m/01	12552
Connecting cable 24V DC /7.5 m/01	12553
Connecting cable 24V DC /15.0 m/01	11720

**Underwater power supply 250 / 24 V / 01** (see page 170) 50733

<b>WECS II 512 / DMX/02</b> (see page 174)	56491
<b>WECS II 1024 / DMX/02</b> (see page 174)	56492
<b>WECS II 2048 / DMX/02</b> (see page 180)	56507



Underwater Switch 24V / DMX / 02	
Dimensions (L x W x H)	[mm] 154 x 130 x 89
Nominal input voltage	[V/DC] 24
Max. input current (depends on the connected sec. device type)	[A] 10.5
Secondary voltage	[V/DC] 4 x 24
Max. secondary current	[A] 4 x up to 2.5 A / slot switchable
Protection class	IP 68
DMX Connection	1.0 m with Box
Power Connection	1.0 m with Box
Weight	[kg] 2.9
<b>Order no.</b>	<b>56411</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Underwater power supply	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## UNDERWATER POWER SUPPLY 250 24V/01

The Underwater power supply 250 24V/01 is a fully potted power supply. The devices connected to the four slots do not require any wiring and guarantee a safe and long-lasting functioning under water. Even low voltage devices can now be operated with the underwater power supply which leads to enormous reduction of time and material cost at the installation sites.

The underwater power supply with the patented waterproof plug in connectors reduce installation costs. Moreover, the power supply reduces space requirement in the control panel and cable consumption and maintenance costs. The plug-in connection enables easy removal and repair or replacement of the connected devices. Fewer cables from control panel to the basin saves time and additional costs.

### Product characteristics at a glance

- 24V DC underwater power supply with high efficiency and simple installation
- Waterproof connectors with 4 ports (IP 68 rated)
- New: First registered in the United States underwater power supply for long-lasting use

One Underwater Power Supply 250 24V/01 (50733) can be connected with max. 2 x Varionaut 150/24V or max. 4 x Varionaut 90/24V or max. 4 x Underwater LED Control with 4 x ProfiPlane LED 320/DMX/02, ProfiRing LED 320/DMX/02 or ProfiLux LED 320/DMX/02 (=max. 16).

This Underwater Power Supply is also for the LED Modul II 960 (see on page 151), the MDD II and ProfiLux 370 LED (see on page 140).

### INNOVATION – MADE BY OASE



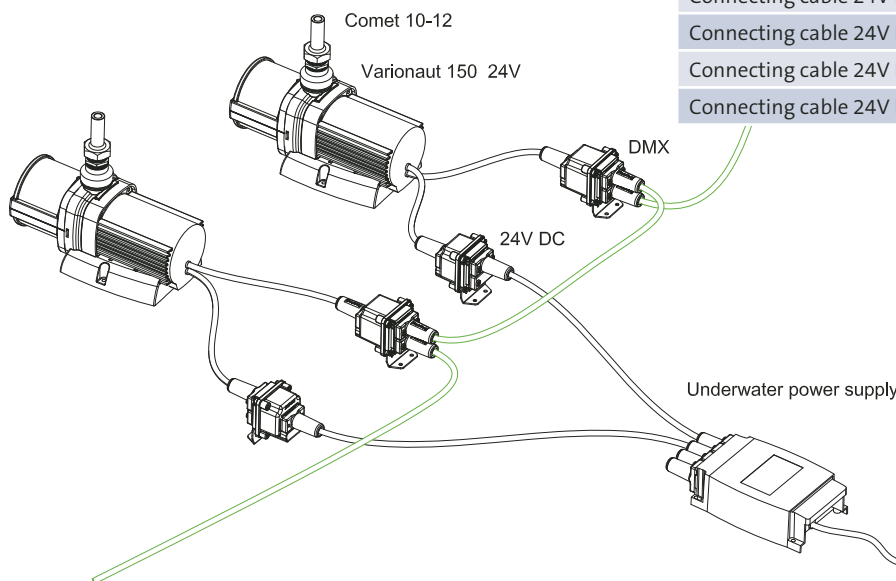
Underwater Power Supply 250 24V/01



Underwater Power Supply 250 24V/01



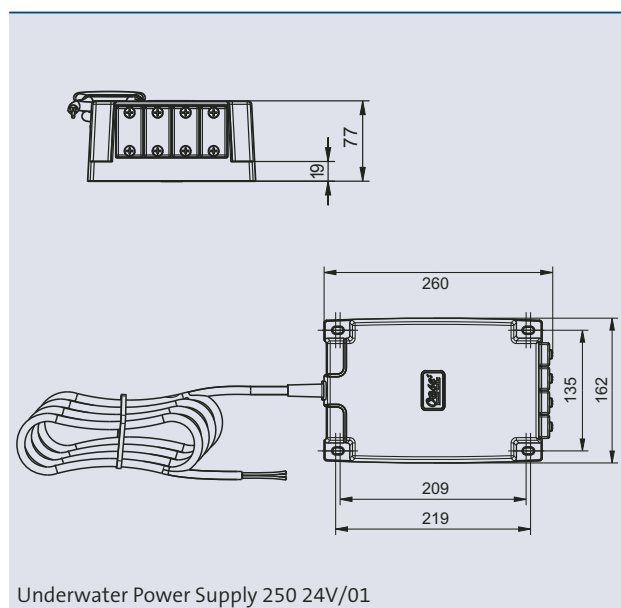
A maximum of 80 Watt (Class2) may be applied to each output, max. 240 Watt total capacity (40289).



**Accessories** (must be ordered separately)

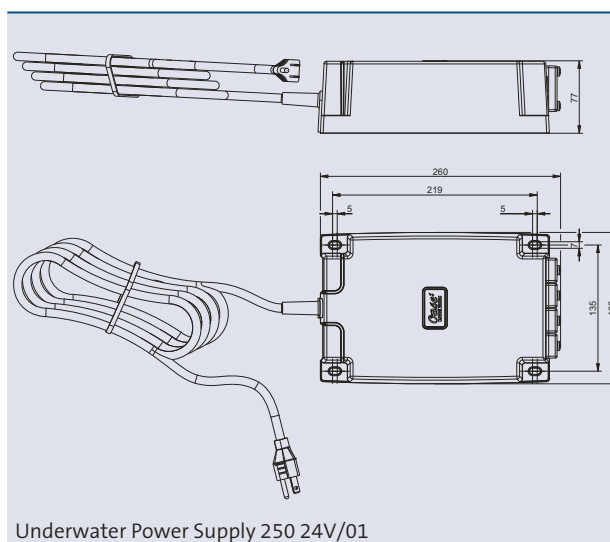
Connecting cable 24V DC/01 (see page 160)	Order no.
Connecting cable 24V DC /1.0 m/01	12762
Connecting cable 24V DC /3.0 m/01	12552
Connecting cable 24V DC /7.5 m/01	12553
Connecting cable 24V DC /15.0 m/01	11720

Additional informations are available on the internet [www.oase-livingwater.com](http://www.oase-livingwater.com)



Underwater Power Supply 250 24V/01

Underwater Power Supply 250 24V/01		
Dimensions(L x W x H)	[mm]	260 x 162 x 77
Nominal input voltage	[V/AC]	100-240
Nominal input frequency	[Hz]	50/60
Secondary voltage	[V/DC]	24
Secondary current	[A]	10.5
Efficiency	[%]	≥90
Environmental conditions: submersible application		Water temperature: min 4°C to max. 35°C
Environmental conditions: dry application		Ambient temperature: max 40°C with natural convection, no direct sun exposure permitted
Slot	[V/DC]	4 x 24
Immersion depth max.	[m]	4
Protection class		IP 68
Cable length	[m]	10
Weight	[kg]	5.1
<b>Order no.</b>		<b>50733</b>



Underwater Power Supply 250 24V/01

Underwater Power Supply 250 24V/01		
Dimensions(L x W x H)	[inch]	10.24 x 6.38 x 3.03
Nominal input voltage	[V/AC]	100-240
Nominal input frequency	[Hz]	50/60
Secondary voltage per output	[V/DC]	24
Rated capacity per output (class 2)	[W]	80
Rated capacity total	[W]	240
Secondary current	[A]	3.2
Efficiency	[%]	≥90
Environmental conditions: submersible application		Water temperature: min 4°C to max. 35°C
Environmental conditions: dry application		Ambient temperature: max 40°C with natural convection, no direct sun exposure permitted
Slot	[V/DC]	4 x 24
Immersion depth max.	[ft]	13
Protection class		IP 68
Cable length	[ft]	20
Weight	[lb]	10.6
<b>Order no.</b>		<b>40289</b>

Please follow the international and local norm



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Switchgear	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## ELECTRICAL SWITCHGEAR IN STANDARD AND SPECIAL DESIGN

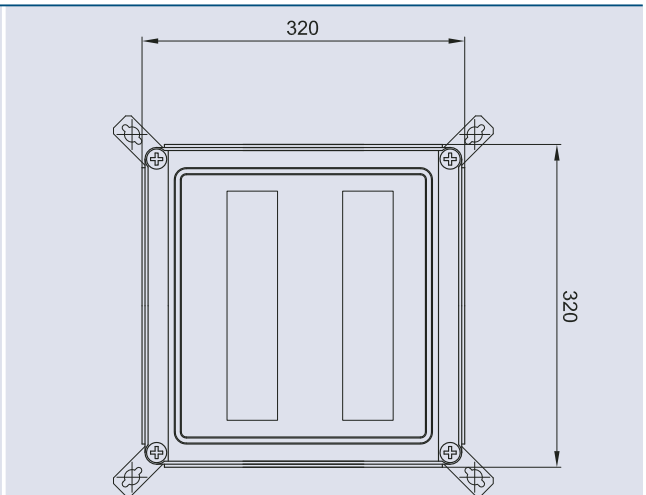
OASE switchgear and control centres for spray fountain or fountain installations are manufactured with the latest technology. They satisfy the VDE guidelines in all points and are equipped with all required protection and safety fixtures.

### Product characteristics at a glance

- Especially suitable for public systems
- Equipped with all required protection and safety fixtures
- Wired ready-to-connect
- Special solutions are manufactured on customer request



Switchgear



Switchgear

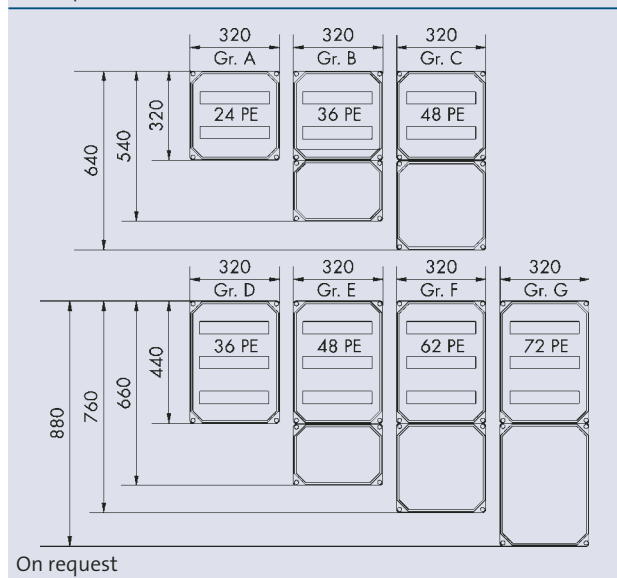


A residual current protection switch cuts the system off immediately if nominal residual current greater than 30 mA is detected, so that complete safety is always ensured for humans, animals and equipment. Safety cut-outs protect individual components in the event of overload and short-circuit. Special motor circuit breakers with 3-phase protection avoid the motor in the event of overload and running in 2-phases. Depending on the requirements and customer desires switchgear systems can be fitted with special start-up processes such as star-delta starting or soft start-up to ensure safe start-up of the motors.

Pump, lighting, and water level regulator can be switched on or off automatically or manually with the manual-0-automatic switch in conjunction with 2-channel timers.



On request



On request

The standard models offer suitable switchgear for a variety of applications. In addition OASE manufactures the perfect switchgear with all required additional fixtures for all conceivable customer requirements.

Switchgear	EL 100 W	EL 101 W	EL 110 W	EL 111 W
Dimensions (L x W x H)	[mm]	320 x 320 x 200		
Protection class		IP 55		
Input voltage	[V/Hz]	1 x 230/50		
Residual current protection switch	[A]	25/0.03		
Timer, Number of programs		2		
Output voltage pumps	[V]	1 x 230		
Output power pumps	[kW]	1 x 0.55		
Type of motor start-up		direct		
Output voltage illumination	[V/AC]	none	none	1 x 230
Output power illumination	[kW]	none	none	1 x 0,30
Output voltage water-level regulator	[V/DC]	none	24	none
Output voltage water-level regulator	[W]	none	1 x 15	none
Number of M-0-A switches		1	2	2
Number of indicator lights		1	2	2
Weight	[kg]	6.0	6.2	6.2
Order no.		51341	51342	51343





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
WECS II	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## WECS II 512/02 AND WECS II 1024/02

The new WECS II controller generation is capable of bi-directional (DMX-RDM) communication. The WECS II 512/DMX/02 is the new standalone Entertainment-Controller for 512 DMX/RDM-Channels, and the WECS II 1024/

DMX/02 is the new music standalone Entertainment-Controller for 1024 DMX/RDM-channels with audio file.

### Product characteristics at a glance

- Incl. Software
- Entertainment server standalone
- Entertainment server standalone with audio (56492 WECS II 1024/DMX/02)
- 512 DMX-RDM output channels standalone
- 1024 DMX-RDM output channels standalone (56492 WECS II 1024/DMX/02)
- 1024 DMX-RDM channels as interface for WECS II 2048
- Freely programmable inputs and outputs for controlling, shows, wind anemometers, water-level sensors, protections etc.
- User-friendliness
- Visual patching



WECS II 512/02

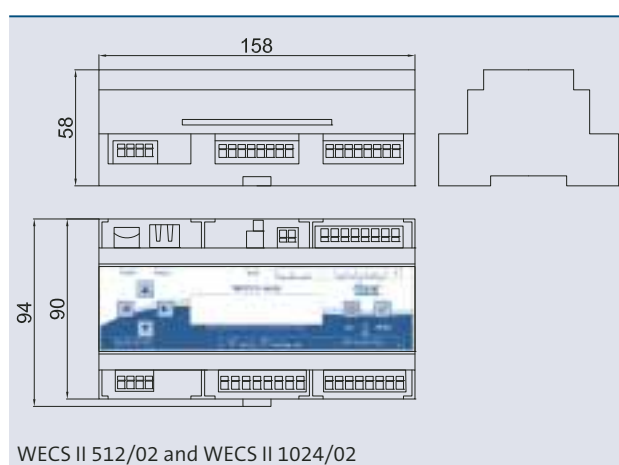
WECS II 1024/02

The fanless controller transmits DMX-RDM data packets to the individual components (lights, pumps, DMX-RDM controllable nozzles, motion etc.) which enable them to act accordingly. In turn, they analyse the received data and send back their status signals like operating hours and temperature via the same cable. These status signals enable remote diagnosis and remote maintenance of the connected components.

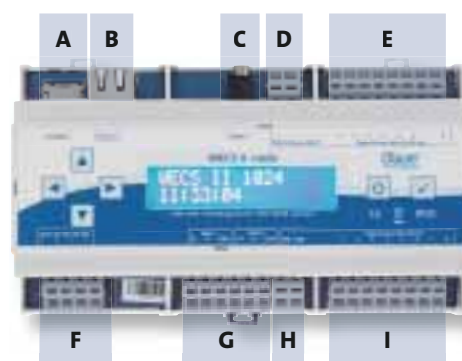
The digital inputs can be linked to water level sensors or external push buttons. That enables to control shows and faders from outside.

Furthermore, as a special feature, the OASE Wind Anemometer drives the internal wind-fader directly to control fountain heights according to the wind speed. All digital outputs can be used to switch relays and frequency converters directly.

Any number of shows or sequences for a project can be saved on the micro SD card (4 GB included).



WECS II 512/02 and WECS II 1024/02



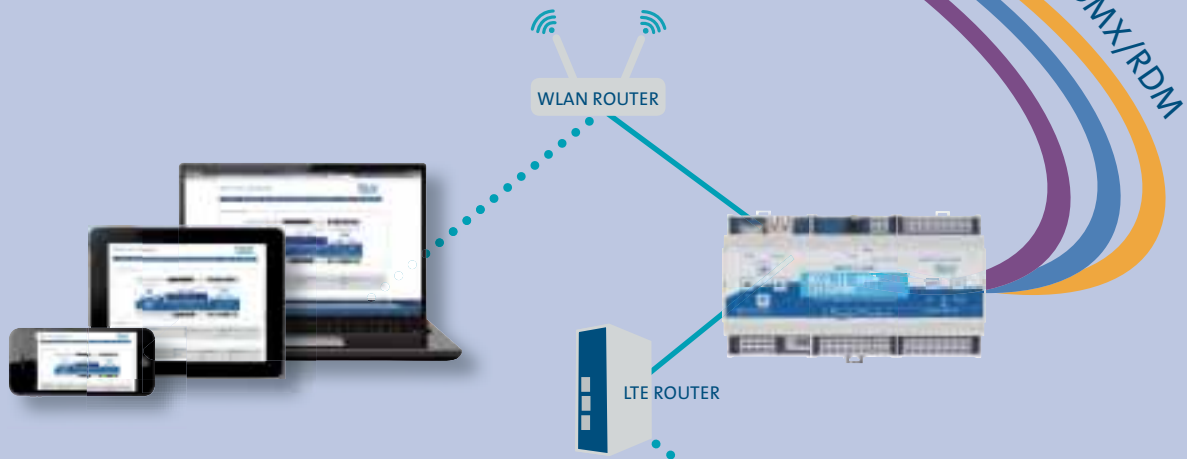
- A** Any number of shows or sequences for a project can be saved on the micro SD card (4GB included).
- B** RJ-45 Ethernet
- C** Audio 3,5 mm stereo jack, galvanically isolated
- D** Connection of voltage supply +24V DC for digital outputs (-/+)
- E** 8x digital output 1A/output, galvanically isolated
- F** 4x connection to power supply (+-/-) 15-24 V DC /8W
- G** 2x DMX-RDM outputs, galvanically isolated
- H** 2x grounding for digital inputs
- I** 8x digital inputs, galvanically isolated

Water Entertainment Control System	WECS II 512 /DMX/02	WECS II 1024 /DMX/02
Dimensions (L x W x H)	[mm] 158 x 94 x 58 mm	
Weight	0.33 kg	
Housing	Polycarbonate Light grey/white/blue for top-hat rail mounting (35mm DIN rail) or wall fastening	
Protection class	IP20	
Power supply	15..24V DC/ 8W	
Operation temperature	0..40°C / 0..80% humidity non-condensed	
Certification	CE	
Outputs DMX-RDM	512 DMX-RDM channels standalone	1024 DMX-RDM channels standalone
Outputs	8 x Digital Out (Clamps 24V DC/ 1A max., optically isolated)	
Inputs	8 x Digital In (Clamps 24V DC., optically isolated)	
Others connections	Ethernet RJ45 10/100Mbit	
Memory	MicroSD-Card for Show-Files	
Operation	2 x 16 Segment LCD Display with 6 keys	
Audio	–	Yes
Standaloneshows	WDS - Streamfile	WDS-Streamfile & Audio file
Interface	2 x 512 DMX-RDM channels for WECS II 2048 (O – Net)	
Scheduler	Full Day- / Week- / Yearplaner	
Special	Windcontrolled (dimming) by external signal from Oase anemometer Mat.53913	
Action Manager	Event Actions: Digital Inputs can be linked with actions (waterlevel, windspeed)	
Software	WEPS (WECS II 512/1024) for Windows 7 or better	
<b>In the scope of delivery</b>		
Hardware + MicroSD-Card + Software WEPS (WECS II 512/1024)		
System Documentation		
<b>Order no.</b>	<b>56491</b>	<b>56492</b>



fountain

**WECS II 512/1024 with Webserver**



www





## WECS II 512/1024 WEBSERVER-EXTENSION

The new WECS II 512 / 1024 Webserver extension is a software to extend the WECS II 512/DMX/02 and WECS II 1024/DMX/02 controller properties. By installing the software, you will receive an integrated Web server on the WECS control unit. This enables an optimum remote control of your WECS via the Internet around the clock or via the local wireless network.\*

You have an overview of all inputs and outputs, the Scheduler, the shows, the files on the SD card and the RDM participants and their properties (monitoring). You have access to all basic parameters of RDM and can identify addresses and change them. The shows or sequences of a project stored on the micro SD card can be read, exchanged or even supplemented.

\*Wireless router is not included in the standard scope of delivery.

### Product characteristics at a glance

- Integrated webserver for DMX/RDM Controller
- Easy direct access and report of all controllable products
- 24/7 remote access
- Monitoring (properties): Input Status overview, Output Status overview, Wind speed, Faders, Volume, Scheduler Running, Show Running, Date, Time.
- RDM Parameter Basic Access: Basic-Access to Reset, identify DMX-Addresses
- Remote Access: Start Show from Auto-generated List/ Stop Show / Start Scheduler/ Stop Scheduler/ WECS-Configuration (Date/Time/IP).
- File upload: Show transfer, Project-Upload (Shows, Scheduler, Script) Firmware update

INNOVATION – MADE BY OASE



WECS II 512/1024 webserver-Extension



[http://www.oase-livingwater.com/en\\_EN/service/download/](http://www.oase-livingwater.com/en_EN/service/download/)

WECS II 512/1024 Webserver-Extension	
Order no.	43525



## WEPS SOFTWARE

With the WECS II (Water Entertainment Control System) fountain shows can be freely programmed and played synchronously to the music in a desired time schedule accurately to the second. The Software WEPS (Water Entertainment Programming Software) comes as standard with the WECS II.

The WEPS software can be downloaded free of cost and a visualized fountain show can be pre-programmed with it (registration to OASE Dealer Portal required).

 [http://www.oase-livingwater.com/en\\_EN/service/download/](http://www.oase-livingwater.com/en_EN/service/download/)

The WEPS-Software is suitable for creating shows for small and mid-size systems. A graphical overview of the system configuration enables creating different water pictures and scenes in an optical style. These can be used individually as background for your show. The control data can be sent in real time to a connected "OASE WECS II" system enabling "Live" immediate control of a show system. You can start your programmed show manually from the hardware. Or you let start the show automatically with the scheduler.

**User friendly Sequencer**  
Lighting scenes pump scenes, moving elements can be arranged and combined with a music file on the sequencer timeline.

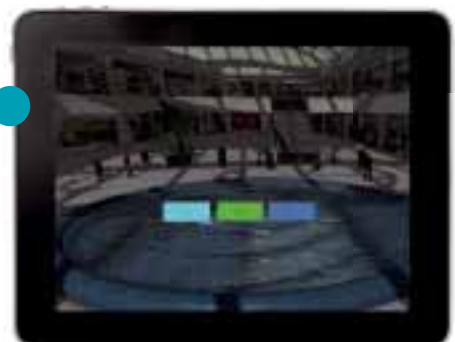
The easy handling of the real time show visualizer provides an effortless way to integrate your full multimedia show. Furthermore, a sequence can be started via the external inputs or the scheduler.

**Live page**  
Take full control of your shows from your Windows® tablet. A quick start of the individual shows is possible from a PC or Windows® tablet.

Microsoft and Windows are either registered trademarks of Microsoft Corporation in the United States and/or other countries..



WEPS Software



## SCHEDULER

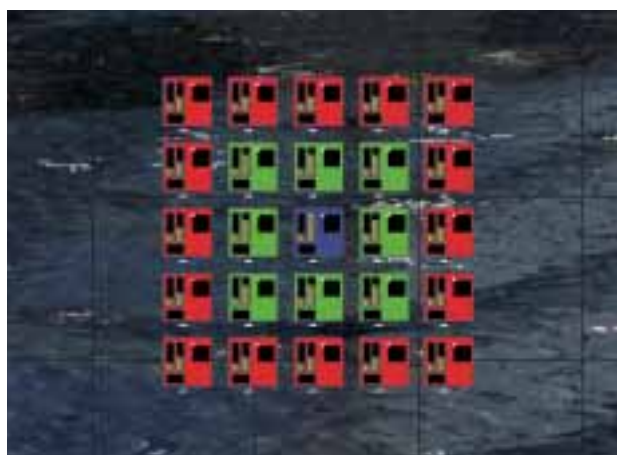
This software provides a combination of different schedulers for the automation of all processes. By the combination of daily planners, weekly planners and annual planners, it is possible to design a huge number of automated processes.



## PATCHING

Single fixtures are pooled spatially to assemblies. An assembly can also consist of a single component (e.g. a pump). Afterwards, these assemblies can be moved and arranged optionally at the top view of the fixture.

An advantage of this working method, for example, would be in creating a matrix. Located at the spatial point is the pump as well as the RGBW spot and all other accessories such as the nozzle type and other small items. These single fixtures can be pooled in one assembly and later positioned spatially.



## PROGRAMMER

The programmer has a huge number of possibilities for creating different effects.

**Static scenes:** In static scenes, a timely constant value can be assigned to an assembly selection in selected channels.

**Dynamic scenes:** A dynamic scene consists of a static scene with a further delay. The delay is splitted equally under selected assemblies and sorted in the order of selection. A static effect which can be used for all selected assemblies is started according to it's delays. By this, the gained water picture receives an effective dynamic.

**Effect scenes:** An effect scene consists of a static scene with overlaid and mathematical time function (e.g. sinus, rectangle, saw tooth). Effect scenes changes its value depending on time.

All three scene types can be combined in one scene.







	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
WECS II 2048 /DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## WECS II 2048/DMX/02

The WECS II 2048/DMX/02 is the new server for 2048 DMX-RDM channels with audio file. With the WECS II 2048-Server multimedia shows can be played synchronously to the music in a desired time schedule accurately to the second. The WECS II (Water Entertainment Control System) - transmits DMX-RDM data packets to the individual components (lights, DMX-RDM controllable nozzles etc.) which enable them to act accordingly.






WECS II 2048 /DMX/02

### Product characteristics at a glance

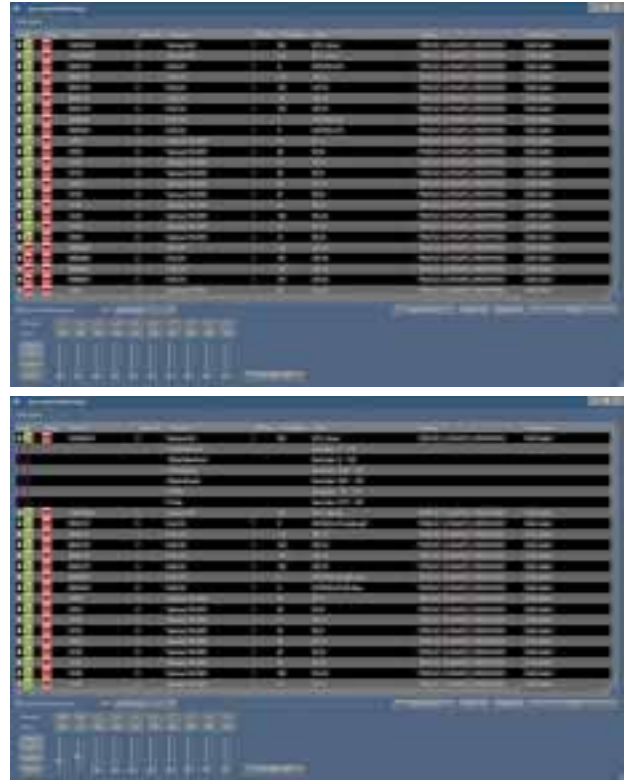
- Showplayer with music output
- 2048 DMX - RDM channels, Modbus (up to 16 units), ArtNET
- 512 DMX input channels
- 2 x balanced audio outputs
- 1 x SMPTE input or output
- NetTimecode
- MTC (optional: additional interface required)
- RS232 and DVI
- 3 x USB 2.0
- Livepanel and I/O view
- Information window showing all important parameters
- Master/slave function for several WECS II 2048 server
- Emergency function for backup systems
- E-mail function for all types of messages
- Intelligent logging system
- Automatic show update via internet
- Balance system for fountain height
- High flexibility
- Connection to different sensors (wind, water level etc.)
- Internal counter for all switching operations
- Automatic light control (ALC) specially for fountains

# OASE WECS II COMPARISON

				
		WECS II 512 /DMX/02	WECS II 1024 /DMX/02	WECS II 2048 /DMX/02
Hardware	512 channel RDM/DMX output	•	•	•
	1024 channel RDM/DMX output	–	•	•
	2048 channel RDM/DMX output	–	–	•
	8 Digital output	•	•	–
	8 Digital input	•	•	–
	DIN Rail housing	•	•	–
	DIN 19" rack	–	–	•
Audio output	–	•	•	
Standalone	Standalone capable	•	•	•
	Micro SD-Card 4GB	•	•	–
	Solid state disc 60GB	–	–	•
	Calendar	•	•	•
Connectivity	Ethernet RJ45 10/100 mbit	•	•	•
	Ethernet Artnet full support	–	–	•
	Ethernet Modbus / TCP/UDP built-in	–	–	•
	Midi time code in/out	–	–	•
	SMPTE time code input or output	–	–	•
	RS232 – remote control	–	–	•
	DVI output	–	–	•
	USB 2.0	–	–	•
SNTC, NTC (optional interface)	–	–	•	
Software	Fixture library	•	•	•
	Patching	•	•	•
	Operating & Monitoring (Livepage)	•	•	•
	RDM monitoring	•	•	•
	Logbook files	•	•	•
	Scenes	•	•	•
	Sequences	•	•	•
	Scheduler	•	•	•
	DMX channel preview	•	•	•
	Effects: SIN, COS, RECT, SAW UP/-DOWN	•	•	•
	Matrix programming	•	•	•
	Media support audio	•	•	•
	Matrix special effects	•	•	•
	Scripts/Macros	•	•	•
	V:3D remote control over Artnet	–	–	•
	Parameter curves/Editable curves	–	–	•
	ALC (Automatic Light Control) fountains	–	–	•
Media support laser, video, beamer	–	–	•	
Email function for messages	–	–	•	

## WECS II 2048/DMX/02

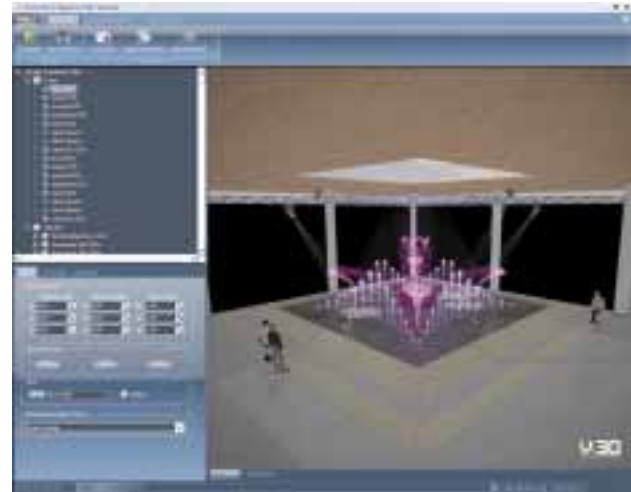
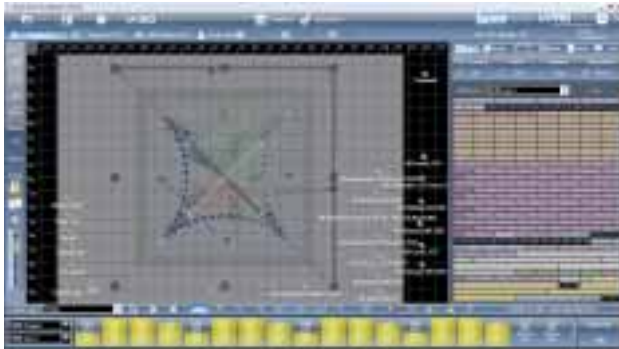
These components or devices in turn analyse the received data and send back their status signals like operating hours and temperature via the same cable. Remote diagnosis and remote maintenance of the connected components can be done with these status signals in combination with a PC. Up to 4 DMX universes (2048 DMX channels) can be controlled by one WECS II 2048 server and up to 32 servers can be operated jointly. This means that a maximum of 65536 DMX-RDM channels can be controlled at once. The WECS II 2048 can synchronize or be synchronized by other equipment via its synchronization interface (SMPTE, NetTimecode, and MTC). Moreover, the device can also be controlled as a fixture by a DMX start address of a master control console. In addition a variety of simple text commands are also provided which are either transmitted via network or directly entered to the server.



Water Entertainment Control System		WECS II 2048 /DMX/02
Dimensions (L x W x H):	[mm]	482 x 360 x 130 mm
Weight:		12 kg
Housing:		19" Rack front colour white/blue
Protection class:		IP20
PC Power supply:		100..240V AC, max. 500W
Operation temperature:		0..40°C / 0..80% humidity non condensed
Certification:		CE
Outputs:		4 x DMX-RDM (clamps, optically isolated), 2048 DMX channels 2 x balanced audio 2 x Graphic card (ext.Videobeamershow), 3 x USB2.0, Livepanel and I/O view Several time codes (SMPTE, SNTC, NTC, MTC (optional: additional Interface required) Art-Net and DMX /RDM Modbus (up to 16 units)
Inputs:		512 DMX input channels Sensor connection (wind, water level, etc.) Several time codes (SMPTE, SNTC, NTC, MTC (optional: additional Interface required)
Network:		2 x Ethernet RJ45 10/100Mbit / incl. team-viewer software (remote control)
Memory:		Solid state drive 60GB
Operation:		4 x 40 Segment LCD Display with 5 keys
Special:		Master / slave function for grouping WECS 2048 II server Intelligent Logging system Solar calculation for automatic light control Automatic Light Control (ALC) specially for fountains Balance system for fountain height Automatic show update via internet
<b>In the scope of delivery</b>		
Hardware		
System Documentation		
<b>Order no.</b>		<b>56507</b>



# SOFTWARE LICENSES FOR ANIMATION AND SHOW PROGRAMMING



Scope of Delivery	Synchronorm Dependence <b>Animator</b>	Synchronorm Dependence <b>Architect</b>	Synchronorm Dependence <b>Professional</b>	Synchronorm Dependence <b>Ultimate</b>
	Visualization system only for presentation animations, video-rendering and distribution. (No real fountain control)	Show control and realtime simulation system for all multimedia fountain	Professional control and simulation system for all multimedia fountain	Professional control and simulation system for all multimedia fountain
Realtime simulation of water fountains	unlimited	unlimited	unlimited	unlimited
Stage lighting fixtures (Scanner, Movingheads)	•	•	•	•
Buildings and environments in 3D	•	•	•	•
Videorendering	•	•	•	•
Simulate laser and video projectors	•	•	•	•
Realtime laser data input	•	•	•	•
Number of DMX-Output channels	–	2048	4096	8192
Number of DMX-Input channels	–	512	2048	2048
Control of Wago ModBus	–	•	•	•
Using showplayer hardware	–	•	•	•
V: 3D remote control over ArtNET Input	–	–	•	•
Timecode synchronize (SMPTE, NTC, SNTC)	–	•	•	•
V: PAD direct ArtNET Input/Output	–	–	•	•
Training cost	on request			
Scope of delivery	DVD Jewel Case, Security USB Dongle, Product documentation / Data sheet			
Recommended system requirements	<ul style="list-style-type: none"> <li>• Microsoft® Windows™ 7 32 or 64bit Intel i7 CPU and 6 GB RAM</li> <li>• NVidia Geforce® GTX580 or higher</li> <li>• 1920 x 1080 display resolution</li> <li>• 5GB disc space</li> </ul>			
Product Description / Product Name	Software	Software	Software	Software
Order no.	58976	58976	58976	58976



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Electronic water level control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Solenoid valve	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## ELECTRONIC WATER-LEVEL REGULATOR EWR 1, EWR 2 AND SOLENOID VALVES MV 0.5" 24V, MV 1" 24V

The EWR water-level regulator can be used for electronic water-level monitoring, and consequently for automatic top-up infeed of pool water, but it can also be used to switch off pump systems in the event of dry run.

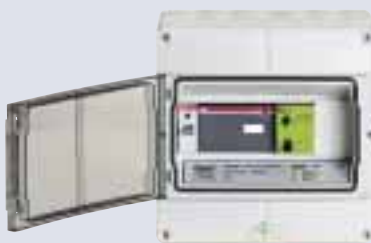
### Product characteristics at a glance

- Electronically monitoring of water level
- Automatic top-up infeed of pool water
- Automatic switch off of pump technology when using water-level sensors incl. dry-run protection electrode

OASE solenoid valves to top-up pool water are installed in the fresh water infeed line of a pool system or in a water reservoir.

### Product characteristics at a glance

- For automatic regulation of the water level



Electronic water level control 1



Electronic water level control 2



Solenoid valve 1/2" 24 V

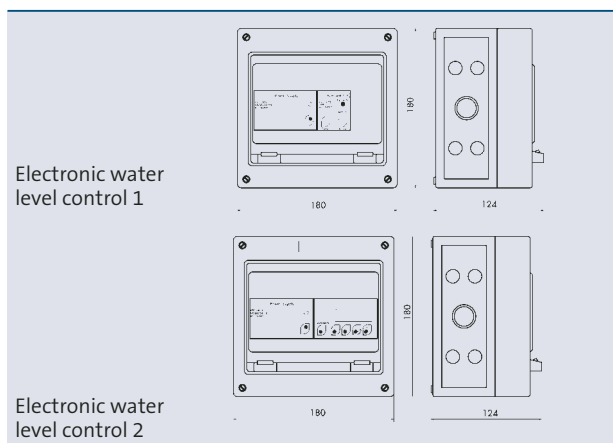


Solenoid valve 1" 24 V

The water-level control device essentially consists of an electronic water-level regulator, a water-level sensor, and a solenoid valve. Depending on the area of implementation individual components are available in different models.

In automatic mode, and if there is an empty pool, the solenoid valve in the fresh water in feed line opens and the water flows until it reaches the maximum electrode. As soon as the maximum electrode is reached a non-hazardous control current flows between the maximum electrode and the common electrode. This switches the solenoid valve off and water infeed is interrupted. If the water level drops to a level where the minimum electrode is no longer covered with water, the control current will be interrupted. The solenoid valve opens and allows water to flow until the water level has reached the maximum electrode and the control current flows again.

For greater reliability and safety there are only 24-Volt models.



		Electronic water level control 1	Electronic water level control 2
Dimensions (L x W x H)	[mm]	180 x 180 x 124	180 x 180 x 124
Housing		plastic	plastic
Protection class		IP 54	IP 54
Voltage	[V/Hz]	100–240 / 50–60	100–240 / 50–60
Solenoid valve	[V/Hz]	230/50	230/50
	[A]	5.0	5,0
Solenoid valve	[V/DC]	24	24
	[A]	0,5	0.5
Pump	[V/Hz]	230/50	230/50
	[A]	5.0	5.0
Switch/Button		1	1
Indicator lights		1	1
Connections for electrodes		3	4
Dry-run protection		no	yes
Alarm monitoring		no	yes
Weight	[kg]	2.1	2.1
<b>Order no.</b>		<b>51554</b>	<b>55846</b>

		Solenoid valves ½" 24 V	Solenoid valves 1" 24 V
Dimensions (L x W x H)	[mm]	67 x 45 x 88	96 x 70 x 108
Function		normally closed	normally closed
Nominal diameter		½"	1"
Directions		2/2	2/2
Voltage	[V/DC]	24	24
Duty cycle		100 %	100 %
Protection class		IP 65	IP 65
Pressure range	[bar]	0.4 – 10	0.4 – 10
Material		brass	brass
Weight	[kg]	0.5	1.3
<b>Order no.</b>		<b>51556</b>	<b>51557</b>



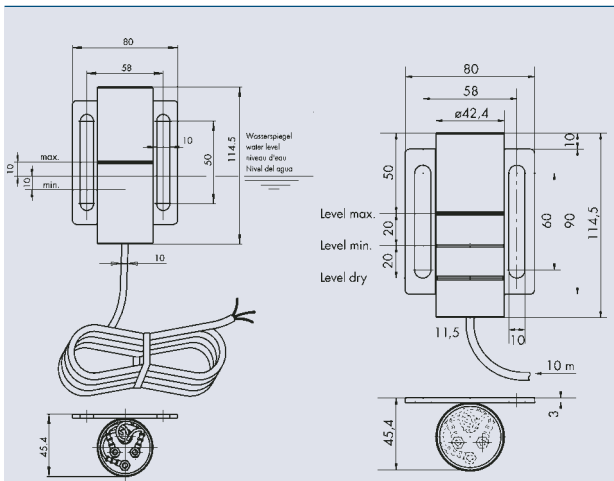


	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Water-Level Sensor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Supplemental electrode	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## WATER-LEVEL SENSORS 20-3, 20-4 AND 2000-3/5

OASE water-level sensors ensure reliable control of the water level and thus prevent the pool from overflowing.

The Water-Level Sensor 2000-3/5 is designed for greater level differences of approximately 50 to 2000 mm, such as occur in water reservoirs.

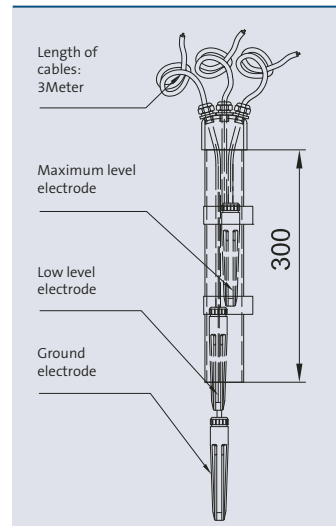


Water-Level Sensor 20-3

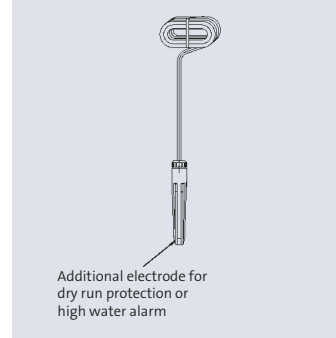
Water-Level Sensor 20-4



Water-Level Sensor 20-3



Water-Level Sensor 2000-3/5



Supplemental electrode 2000-1



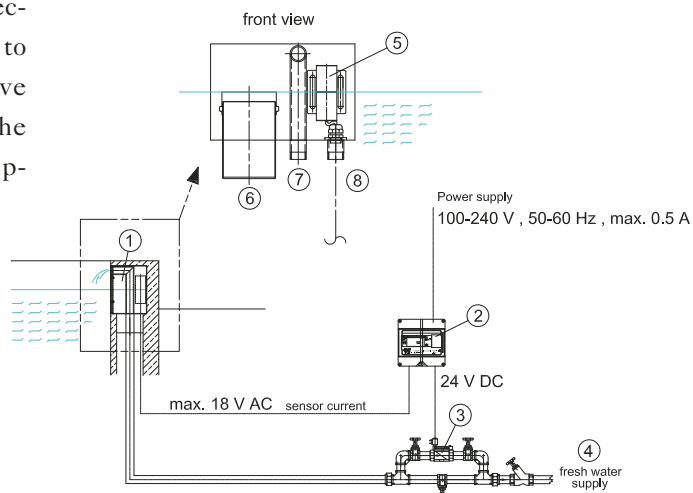
Water-Level Sensor 2000-3/5

The stainless steel housings of the Water-Level Sensor 20-3 and 20-4 also take on the function of the common electrode. The minimum and maximum electrodes are in the housing. The permanently set level difference is 20 mm. In addition the 20-4 has a dry-run protection electrode.

It can be retrofitted with a dry run protection electrode. The electrodes can be adjusted according to the level differences via the cable length. They give switch on and switch off commands to regulate the water level or to protect the pump technology (Supplemental electrode 2000-1).

### Product characteristics at a glance

- For automatic infeed and top-up feed of freshwater if the water level drops
- With dry-run protection and alarm function
- Compensates different water levels
- Robust and reliable technology
- Safe operation



- ① 51120 Overfl. wa-l-inst. comb. armature 100 E
- ② 51554 Electronic water level control 1
- ③ 51557 Solenoid valve 1" 24 V
- ④ fresh water supply
- ⑤ 51559 Water level sensor WSS 20-3
- ⑥ overflow pipe
- ⑦ fresh water inlet in fountain pool
- ⑧ protective pipe for water level sensor cable

#### Accessories (must be ordered separately)

<b>Electronic water level control 1</b> (see page 184)	<b>51554</b>
<b>Electronic water level control 2</b> (see page 184)	<b>55846</b>
<b>Solenoid valve ½ 24 V</b> (see page 184)	<b>51556</b>
<b>Solenoid valve 1 24 V</b> (see page 184)	<b>51557</b>

		Water-Level Sensor 20-3	Water-Level Sensor 20-4
Dimensions (L x W x H)	[mm]	115 x 80 x 46	115 x 80 x 46
Housing		Stainless steel	Stainless steel
Protection class		IP 68	IP 68
Electrodes		3	4
Common		1	1
Minimum		1	1
Maximum		1	1
Dry-run		-	1
Level difference	[mm]	20	20
Cable length	[m]	10.0	10.0
Weight	[kg]	2.2	2.3
<b>Order no.</b>		<b>51559</b>	<b>53918</b>

		Water-Level Sensor 2000-3/5	Supplemental electrode 2000 -1
Dimensions (L x W x H)	[mm]	315 x 135 x 150	150 x 125 x 75
Housing		plastic	plastic
Protection class		IP 68	IP 68
Electrodes		3	1
Common		1	-
Minimum		1	-
Maximum		1	-
Dry-run		-	1
Level difference	[mm]	max. 2500	max. 2500
Cable length	[m]	3.0	3.0
Weight	[kg]	2.5	0.3
<b>Order no.</b>		<b>55845</b>	<b>55843</b>



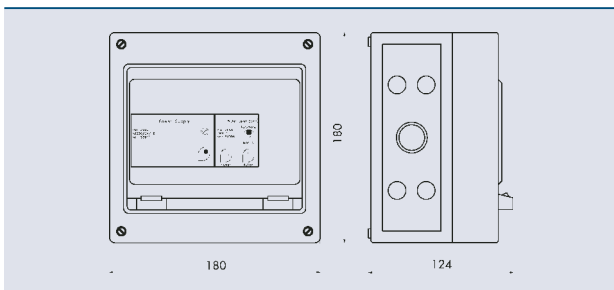
	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Wind-dependent fountain control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Anemometer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## WIND-DEPENDENT FOUNTAIN CONTROL AND ANEMOMETER

During stormy weather, fountains often have an inharmonious effect and normal fountain operation will get the surrounding area wet. Wind-level fountain controls can reduce the fountain height, or completely switch the system off, depending on wind speed.

### Product characteristics at a glance

- Wind-dependent switch-off in 3 stages
- Saves water and power costs
- Weather-dependent harmonious water pattern
- No irritated pedestrians
- Anemometer with wind direction indication on request



Wind-dependent fountain control 3K

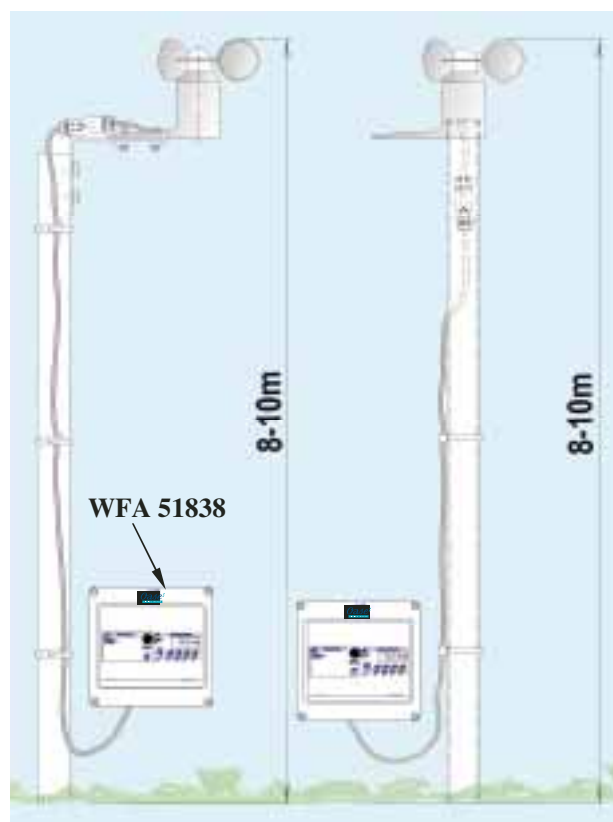


Anemometer



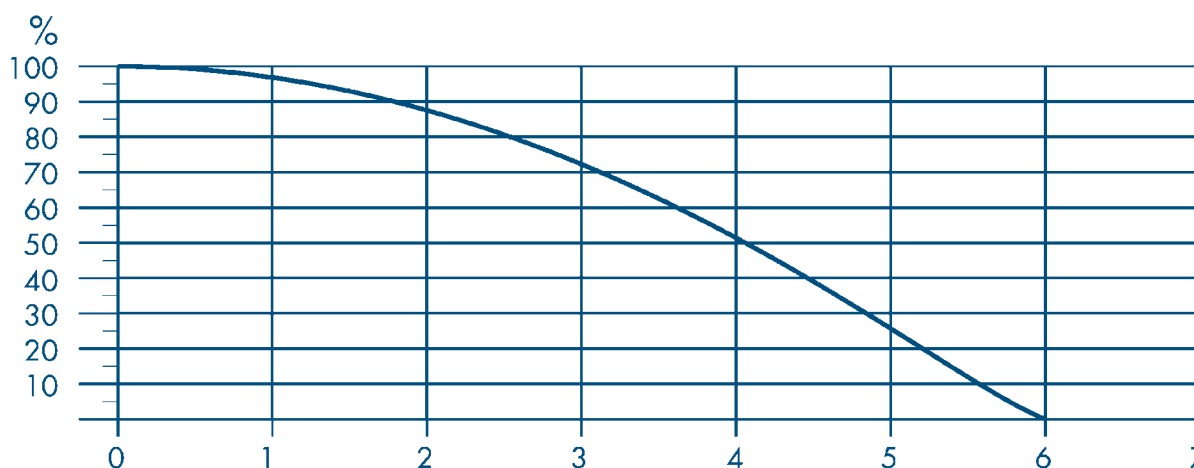
The Wind-dependent fountain control 3K control device directly switches off the pump at a certain preset wind level. If multiple pumps are operated that feed one fountain, they can be switched off one after the other. Or two bypass valves are opened depending on the wind and the pump is switched off only in the third step.

The control device is usually placed next to the control cabinet of the fountain system. The control cables of the pumps are routed out of the control cabinet and connected. Wind conditions on the anemometer and on the fountains should be identical if possible, consequently the anemometer should be slightly elevated and mounted on a mast or a roof in the vicinity of the fountain. The pulse lines of the anemometer should be shielded and routed to the control device via the shortest path possible. (Maximum possible cable length is 250 m)



Cable: starting from 20m cable length, please use shielded cable

## Possible fountain heights in %



## Wind forces from 0 – 6 according to the Beaufort wind force scale

	Wind-dependent fountain control 3K	Anemometer K
Dimensions (L xW xH)	[mm] 180 x 180 x 124	145 x 104 x 93
Housing	plastic	plastic
Protection class	IP 54	IP 54
Voltage	[V / Hz] 230 / 50	24 V / DC
Switch/button	5	–
Indicator light	1	–
Control lines	3	–
Contact load	[A] 5	–
Weight	[kg] 2.2	0.8
<b>Order no.</b>	<b>51838</b>	<b>53913</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Transformer UST 150/01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Transformer UST 150/A/01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

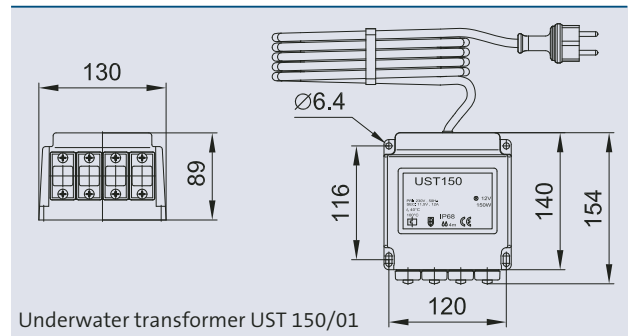
## UNDERWATER TRANSFORMER UST 150/01, 150/A/01

The Underwater Power Supply and the underwater transformer have the protection class IP 68 and are equipped with 4 slots.

Through this special connection technology, wiring by hand is no longer necessary.

### Product characteristics at a glance

- 12V AC Power Supply for underwater
- Fixing by 4 screw possible
- 4 x female 12 V AC OASE connector
- IP 68 rated
- With patented underwater connection technology



Underwater transformer UST 150/01



- 4 couplings
- Connection of 4 x 35 Watt, 3 x 50 Watt or 2 x 75 Watt halogen spotlights
- Connection of 4 x 10 Watt LunAqua 10 LED
- Connection of 8 x ProfiLux LED 12V/01 with 4 power boxes

Underwater transformer	UST 150/01		150/A/01
Dimensions (L x W x H) [mm]	154x130x89	[inch]	6x5.1x3.5
Primary voltage [V/Hz]	230/50	[V/Hz]	120/60
Secondary voltage [V]	12	[V]	12
Consumption [VA]	150	[VA]	150
Cable length [m]	10	[ft]	20
Weight [kg]	4.5	[lbs]	9.9
<b>Order no.</b>	<b>50401</b>		<b>50517</b>

Example drawings on page 103

Please follow the international and local norm



Underwater transformer UST 150/01 and 150/A/01

# ACCESSORIES

**NEW**



## Power supply 85/265V AC/24V DC 48W/2A

1-phase switched-mode power supply in installation housing in performance classes 24 and 48 W. The INSTA power units can be universally deployed because of their wide input range from 85 V AC to 265 V AC. Available with output voltages from 5 V to 48 V

### Product characteristics at a glance

- 24 V/DC / 2 A
- 48 W Power
- Input 1-phase
- Input voltage range 85 - 264 V/AC
- Connection (assembly part) screw terminals

Order no.

43524

**NEW**



## DMX/RDM Booster / Splitter 1-4

Universal bidirectional DMX RDM Booster/Splitter 1 -> 4 (1 x Input, 4 x DMX outputs, individually optically isolated / potential free). Signal booster to extend the DMX line, ideal for the creation of branches and for separation, signal branching and to increase electrical safety. Unit for DIN rail mounting, 230V AC. DMX RDM compatible

### Product characteristics at a glance

- DMX SPLITTER / BOOSTER
- 1 DMX UNIVERSE, 4+1 outputs
- Compatibility: DMX512/1990, ANSI E1-11 DMX512A, DMX to DIN56930-2, ANSI E1-20 DMX RDM
- Cage clamp connectors (Input, DMX THRU and 4 opto-isolated outputs)
- Wide range Power Supply: 85...230V AC, approx. 4W
- Dimensions: DIN rail, width 6,5U

Order no.

11702

**NEW**



## WECS LTE-Router

The LTE-router is a machine-to-machine (M2M) industrial cellular router with Din-rail mounting, which works on 2G, 3G and 4G cellular networks, provides reliable and robust wireless connections. The 4G LTE router has two Ethernet ports and two SMA(f) cellular antenna connectors. The LTE router also supports the OpenVPN and IPsec providing high-grade network security.

The VPN LTE-router is designed to endure extreme conditions, such as temperatures ranging from -25 °C - +70 °C and low power consumption.

### Scope of supply:

- WECS LTE router
- TK – PSU
- Antenna with 5 m cable

Order no.

43872



# WATER QUALITY



**The same principle applies for large bodies of water: True beauty comes from within and must be cultivated!**

Many factors determine the quality of a body of water. Fish and waterfowl introduce nutrients, and falling leaves in autumn, as well as blossoms in spring increase the availability of nutrients. The results are algae growth and formation of sludge that silts up the body of water. OASE water quality products offer a wide range of options; the regenerative powers of the body of water are reinforced and accumulating nutrients are broken down biologically. Such artificial lakes and ponds enjoy sustainable clarity and create a habitat where not only plants and fish thrive – due to innovative OASE products!



## 192 Water Quality

- 194 Configuration chart
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- 200 Clarifiers
- 204 Flow through filters
- 206 Modular filters
- 216 Crystal quartz sand filter
- 220 »Clear Fountain System«
- 221 Water treatment
- 222 »Clear Lake System«
- 224 Surface skimmers
- 226 Water quality

»THE RIVER« SHOPPING CENTER  
LOCATION: RANCHO MIRAGE/CALIFORNIA



*AirFlo*



*Clear Fountain System*



*Sandfilter*

# CONFIGURATION CHART

	Lake	Lake	Lake	Lake
<b>Active system</b>	Improved water values through aeration	Silt removal	Surface cleaning	ProfiClear Module Filter
Size in m <sup>3</sup> ≤ 100	1x Aqua Air 250 1x BioKick	1x SediFree	1x Skimmer 250	1x ProfiSkim 100, 1x M1, 1x AquaMax Expert 1x ProfiClear Premium Drum filter 1x ProfiClear Premium Moving Bed module 1x ProfiClear Premium Individual module 2x Bitron Gravity, 15x PhosLess
Space requirements [cm]				max. 150 x 400
Size in m <sup>3</sup> ≤ 150	1x Aqua Air 250 2x BioKick	2x SediFree	1x Skimmer 250	1x ProfiSkim 100, 1x M1, 1x AquaMax Expert 1x ProfiClear Premium Drum filter 2x ProfiClear Premium Moving Bed module 1x ProfiClear Premium Individual module 2x Bitron Gravity, 15x PhosLess
Space requirements [cm]				max. 150 x 500
Size in m <sup>3</sup> ≤ 200	1x Aqua Air 250 2x BioKick	2x SediFree	1x Skimmer 250	2x ProfiSkim 100, 1x M1, 2x AquaMax Expert 2x ProfiClear Premium Drum filter 2x ProfiClear Premium Moving Bed module 2x ProfiClear Premium Individual module 4x Bitron Gravity, 15x PhosLess
Space requirements [cm]				max. 200 x 400
Size in m <sup>3</sup> ≤ 300	2x Aqua Air 250 3x BioKick	3x SediFree	2x Skimmer 250	3x ProfiSkim 100, 2x M1, 3x AquaMax Expert 3x ProfiClear Premium Drum filter 3x ProfiClear Premium Moving Bed module 3x ProfiClear Premium Individual module 6x Bitron Gravity, 15x PhosLess
Space requirements [cm]				max. 300 x 400
Size in m <sup>3</sup> ≤ 500	2x Aqua Air 250 5x BioKick	5x SediFree	2x Skimmer 250	4x ProfiSkim 100, 2x M1, 4x AquaMax Expert 4x ProfiClear Premium Drum filter 4x ProfiClear Premium Moving Bed module 4x ProfiClear Premium Individual module 8x Bitron Gravity, 15x PhosLess
Space requirements [cm]				max. 400 x 400
Size in m <sup>3</sup> ≤ 750	2x AquaAir 250 7x BioKick	7x SediFree	3x Skimmer 250	6x ProfiSkim 100, 3x M1, 6x AquaMax Expert 6x ProfiClear Premium Drum filter 6x ProfiClear Premium Moving Bed module 6x ProfiClear Premium Individual module 12x Bitron Gravity, 30x PhosLess
Space requirements [cm]				max. 600 x 400
Size in m <sup>3</sup> ≤ 1.000	1x Air Flo 1.5 kW 9x BioKick	9x SediFree	4x Skimmer 250	8x ProfiSkim 100, 4x M1, 8x AquaMax Expert 8x ProfiClear Premium Drum filter 8x ProfiClear Premium Moving Bed module 8x ProfiClear Premium Individual module 16x Bitron Gravity, 30x PhosLess
Space requirements [cm]				max. 800 x 400

**Note on runtimes:** For lake configurations all of the systems should be operated continuously 24 h a day during the vegetation period. Pool configurations should be operated at least 12 out of every 24 h. BioKick prices on request.

\* Assumption: Module filter system in pumped setup



**Abbreviations:**
**M1** = ProfiClear Classic pump chamber

**M2** = ProfiClear Classic coarse debris extractor

**M3** = ProfiClear Classic filter foam module

**M5** = ProfiClear Classic phosphate binder module

**Clear Fountain System** = dosing station

**PHW** = active ingredient: Sulphuric acid

**OxyPool** = active ingredient: Hydrogen peroxide

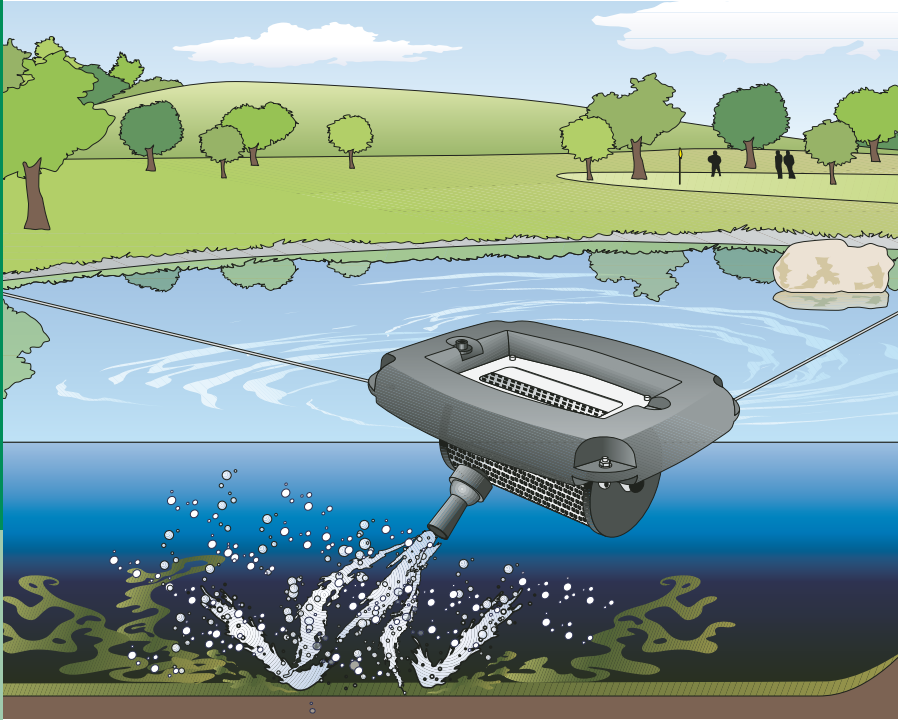
**SF** = suction filter basket

**D** = sand filter

**AFM** = activated filter medium

	Lake	Pool	Pool
<b>Active system</b>	Clear Lake System	Clear Fountain System	Clear Lake System
<b>Size in m<sup>3</sup> ≤ 100</b>	1x Clear Lake 250 1x D 800, 2x SF 200/250/25E, 13x Quartz sand (25 kg), 1x Control panel	1x Clear Fountain System, 1x PHW 30, 1x OxyPool, 1x AlGo Fountain, 2x SF 200/250/25E, 2x D 800, 26x AFM (21 kg), 1x Control panel	1x Clear Lake 250, 2x SF 200/250/25E, 1x D 800, 13x AFM (21 kg), 1x Control panel
Space requirements [cm]	max. 100 x 250	max. 100 x 350	max. 100 x 300
<b>Size in m<sup>3</sup> ≤ 150</b>	1x Clear Lake 250, 2x SF 200/250/25E, 1x D 800, 13x Quartz sand (25 kg), 1x Control panel	1x Clear Fountain System, 1x PHW 30, 1x OxyPool, 1x AlGo Fountain, 3x SF 200/250/25E, 3x D 800, 39x AFM (21 kg), 1x Control panel	1x Clear Lake 250, 3x SF 200/250/25E, 2x D 800, 26x AFM (21 kg), 1x Control panel
Space requirements [cm]	max. 100 x 250	max. 100 x 450	max. 100 x 400
<b>Size in m<sup>3</sup> ≤ 200</b>	1x Clear Lake 250, 2x SF 200/250/25E, 1x D 800, 13x Quartz sand (25 kg), 1x Control panel	1x Clear Fountain System, 1x PHW 30, 1x OxyPool, 1x AlGo Fountain, 4x SF 200/250/25E, 4x D 800, 52x AFM (21 kg), 1x Control panel	1x Clear Lake 250, 3x SF 200/250/25E, 2x D 800, 26x AFM (21 kg), 1x Control panel
Space requirements [cm]	max. 100 x 250	max. 100 x 550	max. 100 x 400
<b>Size in m<sup>3</sup> ≤ 300</b>	1x Clear Lake 250, 3x SF 200/250/25E, 2x D 800, 26x Quartz sand (25 kg), 1x Control panel	1x Clear Fountain System, 1x PHW 30, 1x OxyPool, 1x AlGo Fountain, 6x SF 200/250/25E, 6x D 800, 78x AFM (21 kg), 1x Control panel	1x Clear Lake 250, 4x SF 200/250/25E, 3x D 800, 39x AFM (21 kg), 1x Control panel
Space requirements [cm]	max. 100 x 350	max. 250 x 450	max. 100 x 500
<b>Size in m<sup>3</sup> ≤ 500</b>	1x Clear Lake 500, 3x SF 200/250/25E, 2x D 800, 26x Quartz sand (25 kg), 1x Control panel	1x Clear Fountain System, 1x PHW 30, 1x OxyPool, 1x AlGo Fountain, 10x SF 200/250/25E, 10x D 800, 130x AFM (21 kg), 1x Control panel	1x Clear Lake 500, 5x SF 200/250/25E, 4x D 800, 52x AFM (21 kg), 1x Control panel
Space requirements [cm]	max. 100 x 350	max. 250 x 550	max. 100 x 600
<b>Size in m<sup>3</sup> ≤ 750</b>	1x Clear Lake 500, 4x SF 200/250/25E, 3x D 800, 39x Quartz sand (25 kg), 1x Control panel	1x Clear Fountain System, 1x PHW 30, 1x OxyPool, 1x AlGo Fountain, 15x SF 200/250/25E, 15x D 800, 195x AFM (21 kg), 1x Control panel	1x Clear Lake 500, 7x SF 200/250/25E, 6x D 800, 78x AFM (21 kg), 1x Control panel
Space requirements [cm]	max. 100 x 450	max. 250 x 750	max. 250 x 450
<b>Size in m<sup>3</sup> ≤ 1.000</b>	1x Clear Lake 500, 1x Clear Lake 250, 6x SF 200/250/25E, 4x D 800, 52x Quartz sand (25 kg), 1x Control panel	1x Clear Fountain System, 1x PHW 30, 1x OxyPool, 1x AlGo Fountain, 20x SF 200/250/25E, 20x D 800, 260x AFM (21 kg), 1x Control panel	2x Clear Lake 500, 9x SF 200/250/25E, 8x D 800, 104x AFM (21 kg), 1x Control panel, 1x Skimmer 250
Space requirements [cm]	max. 100 x 550	max. 250 x 1200	max. 250 x 450

**Comment on space requirements:** Net surface requirement, incl. distance between the filter units, plus walk-on surface.



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
AquaAir 250	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AquaAir 250 / A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

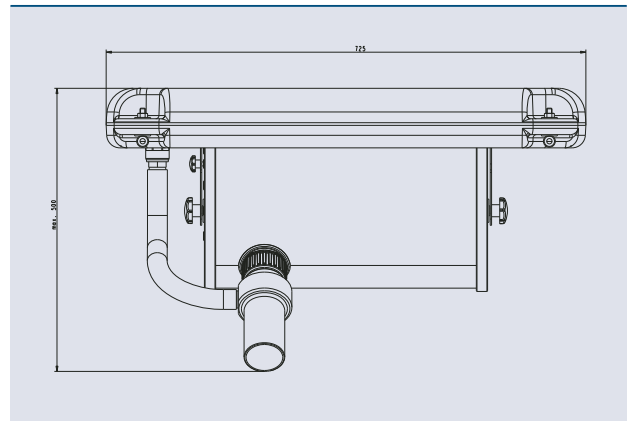
## AQUAAIR 250 / AQUAAIR 250/A

Oxygen plays a crucial role in breaking down nutrients in water. Many of the problems associated with an artificial lake or pond, such as algae infestation, silt or odour nuisance can be attributed to oxygen deficits. Missing oxygen can be fed into the body of water through specific water movement that introduces air. This stabilises a body of water's biological power of regeneration and results in optimal quality of the artificial lake or pond.

### Product characteristics at a glance

- Suitable for pond surfaces up to 250 m<sup>2</sup>
- Adjustable injector nozzle for optimal oxygen input with depth penetration to 4 m
- High turnover rate bring standing water into life
- Extremely long service life thanks to high-quality workmanship and stainless steel elements
- Low noise underwater operation
- Fastening material included in the scope of delivery
- Optimal oxygen supply thanks to small bubbles

Ideal supplements to this product are BioKick and SediFree.  
Information on each of these products are found on pages 226 and 227.





**Injector nozzle**

Adjustable injector nozzle for focussed oxygen input to aerate the pond.



**Professional oxygen supply**

Powerful pump with professional Venturi principle enables optimal oxygen supply in small bubbles.



**Stainless steel basket**

High quality design with corrosion-resistant filter basket and suspension element.



**Fastening material**

Easy and secure anchoring of the aerator thanks to the fastening material included in the scope of delivery. (2 x 20 meter, 3 mm thick)

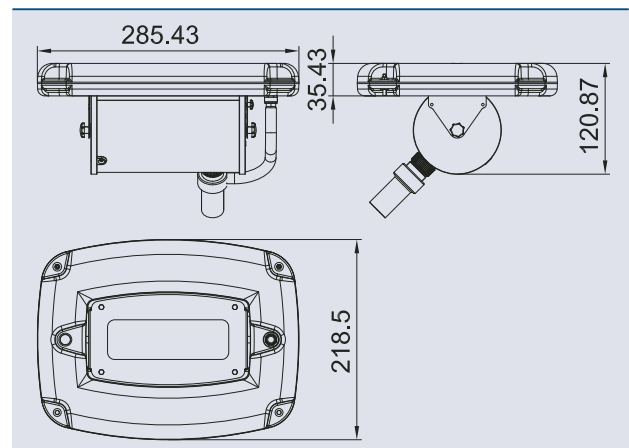
**Before:** Standing water with excessive algae formation



**After:** Uniform oxygen enrichment plus circulation



The Aqua Air 250 is a floating aerator that provides an adequate supply of oxygen for bodies of water up to 250,000 litres. A pump supplies the air/water mixture to the artificial pond or lake via the venturi principle. The high volume flow guarantees air supply in the entire body of water through strong flow movements. Deep zones as well as shallow water zones can be optimally supplied with oxygen through the adjustable angle of the flow injector.



AquaAir		250	AquaAir		250 / A
Dimensions (L x W x H)	[mm]	725 x 555 x 310	Dimensions (L x W x H)	[inch]	29 x 22 x 12
Rated voltage	[V/Hz]	230 / 50	Rated voltage	[V/Hz]	110-120 / 60
Power consumption (Pump)	[W]	650	Power consumption (Pump)	[W/A]	700 / 5.8
Flow rate max.	[l/h]	30000	Flow rate max.	[ghp max]	7000
Air displacement quantity	[l/h]	ca. 8500	Air displacement quantity	[ghp max]	2500
Radiation depth	[m*]	up to 4.0	Radiation depth	[ft*]	up to 13
Filter surface intake	[cm²]	ca. 3000	Filter surface intake	[sq.inch]	approx. 465
For bodies of water to max.	[m³]	250	For bodies of water to max.	[gal]	65000
Minimum water depth	[m]	0.5	Minimum water depth	[inch]	20
Cable length	[m]	30.0	Cable length	[ft]	75
Weight	[kg]	28.0	Weight	[lbs]	66
<b>Order no.</b>		<b>57479</b>			<b>57487</b>

\* Depends on the jet angle set





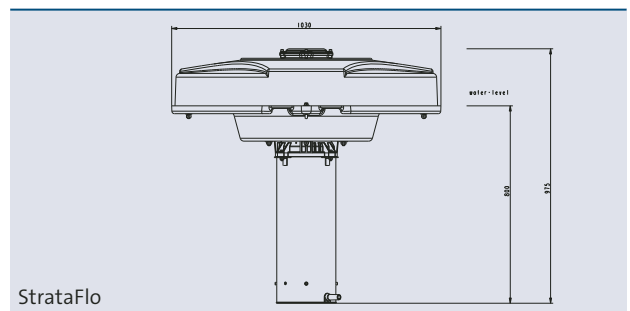
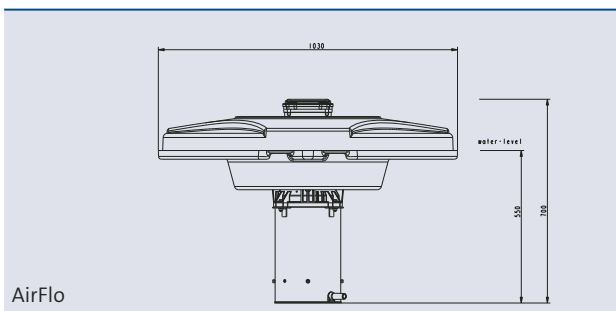
	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
AirFlo 1.5 kW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AirFlo 4.0 kW	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
StrataFlo 2 HP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
StrataFlo 5 HP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## AIRFLO 1.5 kW/4.0 kW, STRATAFLO 2 2HP/5HP (3-PHASE)

Air Flo sets new standards in the field of lake aeration and decoration: The axial propeller technology ensures impressive and unequalled water flow rates of up to 295,000 l/h – for an optimal supply of oxygen to the lake.

### Product characteristics at a glance

- Floating aerator for oxygen supply through powerful water patterns for water surfaces up to 15,000 m<sup>2</sup>
- Axial propeller technology for water flow rates up to 295,000 l/h
- Maximum oxygen supply for the body of water





**Bayonet technology**  
for easy mounting.



**Fastening material**  
Easy and secure anchoring of the aerator thanks to the fastening material included in the scope of delivery. (3 x 30 meter, 3 mm thick)



**Earthing pin plug + control box**  
The 230V version is delivered ready to operate with control box.

**CEE-connector + protection switch**  
The 400 version comes with a ready to connect, 5 pole CEE connector and motor protection switch.

- Easy installation and maintenance through bayonet technology
- Foamed float for extraordinary stability and noise reduction
- Pump basket of corrosion resistant stainless steel
- Included in the scope of delivery: Fastening set, 3 -part nozzle attachment for 3 different types of water pattern "Trumpet"
- Lighting sets with stainless steel holder available as an accessory

**Illumination Set MIDI / MAXI / AirFlo LED/01**

For an impressive floating fountain even at night – as easy as our proven AirFlo system, we offer you a LED version of our illumination kit with three spotlights each. A unique connection system makes it very easy to install the spotlights on the float. The UST 150 transformer is mounted easily to the pump basket directly.



Illumination Set MIDI / MAXI / AirFlo LED/01

**Set of 3 LED**

- 3 x LunAqua 10 LED, each with a 10 W LED bulb
- 3 x Light mounting brackets
- 1 x Special stainless steel holder for fastening the transformer
- 1 x Safety transformer 150 VA, 230 V-12 V, 50 Hz incl. 50.0 + 2.0 m cable

**Order no.** 50479

Powerdata of the different water patterns	AirFlo 1.5 kW / 230V	AirFlo 4.0 kW / 400V		StrataFlo 2 HP	StrataFlo 5 HP (3-Phase)
Water pattern Fountain H x W* [m]	0.8 x 3.5	1.5 x 6.0	[ft]	3 x 12	5 x 20
Flow rate [l/h]	165000	295000	[gpm]	700	1250
<b>Lake size</b>					
Minimum lake size [m <sup>2</sup> ]	100	500	[sq.ft]	108	538
Opt. effect for lakes up to [m <sup>2</sup> ]	5000	15000	[sq.ft]	53800	16200
Suction depth max. [m]	4.0	5.0	[ft]	13.1	16.4

	AirFlo 1.5 kW / 230V	AirFlo 4.0 kW / 400V		StrataFlo 2 HP	StrataFlo 5 HP (3-Phase)
Dimensions (ø x H) [mm]	700 x 1150	950 x 1150	[inch]	46 x 28	46 x 38
Nominal voltage [V/Hz]	230/50	400/50	[V/Hz]	230/60	200-230/60
Pump power [KW]	1.5	4.0	[W/A]	2749/13.2	3738/19.8
Nominal current [A]	10.2	9.6	[W/A]	2749/13.2	3738/19.8
Minimum water depth [m]	0.90	1.15	[ft]	3	4
Cable length [m]	50.0 + 2.0	50.0 + 2.0	[ft]	160	160
Weight [kg]	ca. 40.0	ca. 60.0	[lbs]	88	132
<b>Order no.</b>	<b>50183</b>	<b>50185</b>		<b>50272</b>	<b>50274</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Bitron Eco	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## BITRON ECO

### Product characteristics at a glance

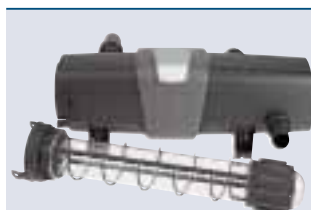
- Concentrated UVC power clears ponds up to 240 m<sup>3</sup>
- High intensity treatment of suspended algae, turbidity and harmful bacteria in the pond water
- Now with unique UVC bulb with 50% longer service life (12.000 h) – developed in cooperation with Philips
- High volume UVC housing with a new design and organic shape for a particularly long water dwell time
- Eco control system enables maximum energy efficiency with savings potential of up to 50%\*<sup>2</sup>
- More protection for the climate. Eco mode saves up to 525 kg CO<sup>2</sup>/year\*<sup>2</sup>
- UVC radiation is at its best at all times thanks to patented, autonomous bulb cleaning
- Intelligent bypass regulation automatically adapts the flow rate to the pump capacity in the filter system
- If desired, continuous irradiation or device switch off are possible at the touch of a button
- Clever UVC function monitor, display for bulb change and water temperature
- Protection class IP68 enables direct set up at the edge of the pond
- Simple connection to other 2" filter systems
- 100%, VDE-certified safety; does not cause eye injuries



Bitron Eco

\*<sup>2</sup> 2 opposite devices in continuous operation. Bitron Eco 240 at 305 days of operation in EcoMode 50% and Central European temperature profile. With a different combination, savings are possibly lower. CO<sup>2</sup> calculation: [www.iwr.de](http://www.iwr.de)





#### Automatic cleaning rotor

The automatic cleaning rotor is continuously guided around the quartz glass tube by the water flow and prevents debris from settling.



#### Closure technology

The quick release closure now allows direct access to the bulb without dismantling the quartz glass. Replacement of the UVC bulb just takes a few minutes.



#### Automatic bypass regulation

The integrated bypass membrane regulates water distribution automatically based on the water flow and adapts itself to changing conditions, such as the Seasonal Flow Control system, for example.



#### Automatic control unit

It not only shows the actual status of your bulb and the water temperature, it also allows adaptation of capacity depending on the requirement + UVC lifetime counter.

The new UVC clarifier Bitron Eco reduces energy cost thanks to its Eco control system. It adjusts the Bitron Eco's capacity to the seasonal requirement and therefore enables maximum energy efficiency with a savings potential of up to 50%\*.

\*Opposite devices in continuous operation. Bitron Eco 240 at 305 days of operation in EcoMode 50% and Central European temperature profile. With a different combination, savings are possibly lower. CO<sub>2</sub> calculation: www.iwr.de

#### Accessories (must be ordered separately)

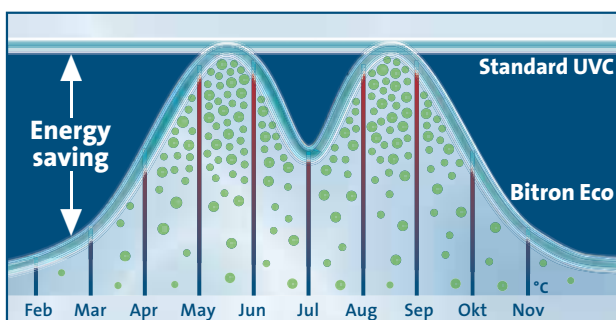


#### Connection elbow 2' / 90° Bitron

- For Bitron C 36 W – 110 W and Bitron Eco

Connection elbow 2' / 90° Bitron

50540



	Bitron Eco 120 W	Bitron Eco 180 W	Bitron Eco 240 W
Dimensions (L x W x H) [mm]	725 x 227 x 248		
Rated voltage	220–240 V / 50/60 Hz		
Power consumption [W]	120	180	240
Power cable length [m]	5.00		
Net weight [kg]	7.75	8.25	8.45
UVC power [W]	120	180	240
Temperature display	Digital		
UVC operating hours meter [h]	12000		
Bypass control	Automatic		
Number of inlets [EA]	1		
Connections, inlet [mm]	38 / 50		
Connections, inlet	1½", 2"		
Number of outlets [EA]	1		
Connections, outlet [mm]	38 / 50		
Connections, outlet	1½", 2"		
Max. flow rate [l / h]	50000		
Max. operating pressure [bar]	1.00		
Suitable for ponds up to max. [m³]	120.0	180.0	240.0
Suitable for ponds with fish stock [m³]	60.0	90.0	120.0
Suitable for ponds with koi* <sup>1</sup> [m³]	30.0	45.0	60.0
Connection to	ProfiClear, BioTec 30, BioTec ScreenMatic <sup>2</sup> 140000		
Other	LED function check		
Order no.	56769	56405	56410



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Bitron C 110W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Bitron Gravity 55 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## BITRON C 110W

The Bitron 110 C effectively reduces algae and the number of pathogens and bacteria in the body of water and thus consistently ensures clear and healthy water.

### Product characteristics at a glance

- Suitable for ponds up to 110 m<sup>3</sup>
- Elimination of suspended algae (green water)
- Reduction of harmful bacteria and pathogen levels
- Clever UVC function monitor, display for bulb change and water temperature
- Bypass technology enables optimal irradiation of the polluted water, even at high flow through rates
- Individual water flow adjustment for optimal adaptation to the connected filter pump
- Integrated magnets protect the UVC technology against limescale deposits
- Visual function check of the UVC bulb
- 100%, VDE-certified safety; does not cause eye injuries
- Quick release technology for easy bulb replacement
- High quality workmanship with impact resistant plastic housing
- Incl. high quality UVC bulb

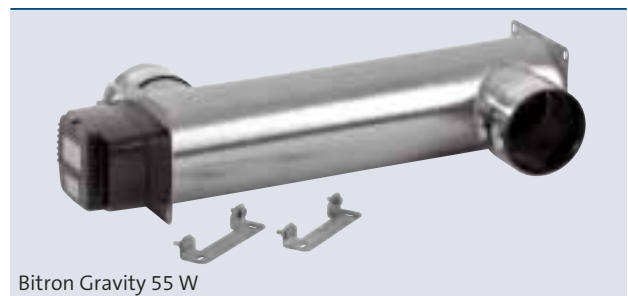


Bitron C 110W

## BITRON GRAVITY 55 W

### Product characteristics at a glance

- Suitable for ponds up to 70 m<sup>3</sup>
- Extremely effective elimination of algae and pathogenic bacteria (to 12.5 m<sup>3</sup>/h) – similar to an immersion UVC
- 100%, VDE-certified safety; does not cause eye injuries
- Energy efficient thanks to electronic ballast
- Unusually effective sterilisation, thanks to long water contact time in the Bitron
- Flow-optimised reactor design ensures direct and virtually loss-free UV radiation
- High quality V4A stainless steel housing for stability and good reflection rates
- Extremely easy installation with stainless steel connection elements
- Flexible connection before or after the ProfiClear filter system – also for other gravity fed applications
- In the event of pond enlargements or increase in koi stock, extension with additional Bitron Gravity UVC devices is possible at any time
- Visual function check
- Horizontal or vertical setup possible
- Incl. 2 x DN 110 quick release couplings, easy to install
- With the adapter set (18127) it is also suitable for pump fed operation



Bitron Gravity 55 W



Bitron Gravity can be optimally integrated in the ProfiClear Premium system.

### Bitron 110 C

Clever bypass system combines high flow rates with optimal duration of radiation  
 Permanent self-cleaning thanks to patented cleaning rotor

#### Recommendation

Do not forget to replace UVC bulbs regularly, ideally in the spring!

### Bitron Gravity 55 W

Highly-efficient – perfect for gravity-fed filter systems

Unusually powerful, efficient UVC clarifier  
 Extremely effective sterilisation thanks to well thought-out flow optimisation  
 Extremely easy and flexible installation before or after the filter system

#### Accessories (must be ordered separately)

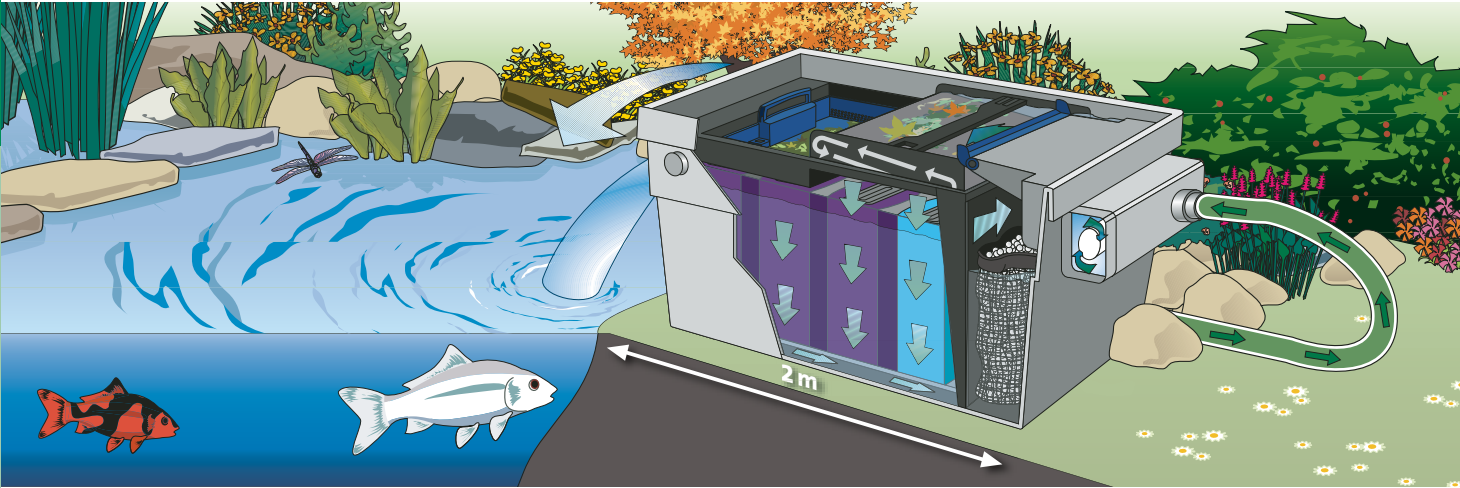
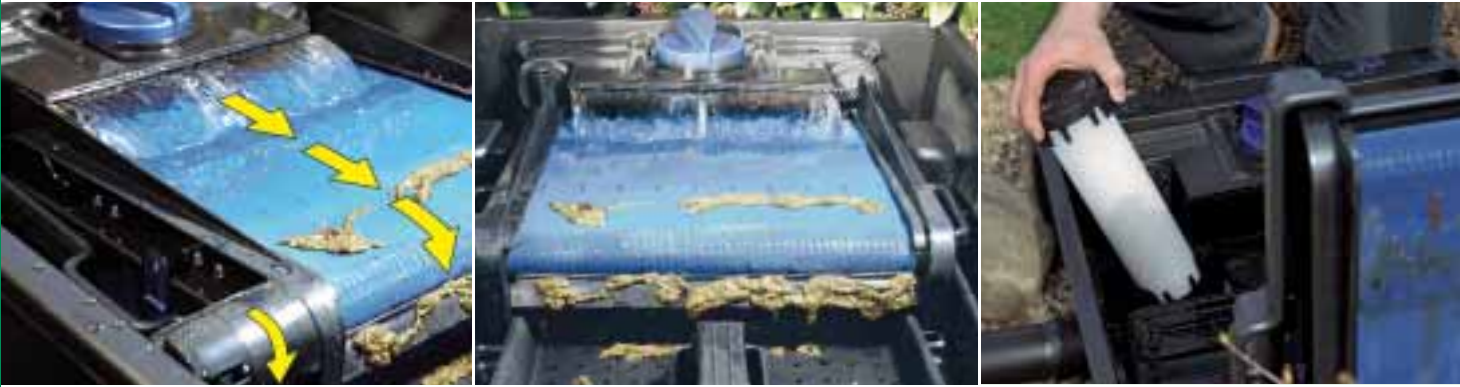


<b>Replacement bulb for Bitron Gravity 55 W and Bitron 110 C</b>	
1 bulb is required for complete configuration of Bitron Gravity 55 W	
2 bulbs are required for complete configuration of Bitron 110 C	
<b>Order no.</b>	<b>56636</b>

<b>Bitron C 110W</b>		
Dimensions (L x W x H)	[mm]	730 x 215 x 200
Rated voltage	[V/Hz]	220-240 / 50-60
Inlet stepped hose adapter	[inch]	¾, 1, 1 ¼, 1 ½, 2
Inlet stepped hose adapter	[mm]	19/25/32/38/50
Outlet (2 x)	[inch]	1, 1 ¼, 1 ½
Outlet (2 x)	[mm]	25/32/38
Visual function check		Indicator light
Connection to		ProfiClear module filter BioTec 30, ScreenMatic <sup>2</sup> , Premium
Operating pressure max.	[bar]	1.0
Suitable pump capacity max.	[l/h]	40000
Power consumption	[W]	110
Flow-through UVC, without bypass	[l/h]	12000
Cable length	[m]	5.0
<b>Order no.</b>		<b>56902</b>

<b>Bitron Gravity 55 W</b>		
Dimensions (L x W x H)	[mm]	700 x 260 x 160
Rated voltage	[V/Hz]	220 – 240 / 50/60
Power consumption	[W]	55
Power cable length	[m]	5.00
Net weight	[kg]	6.98
UVC power	[W]	55
Number of inlets	[Unit]	1
Connections, inlet		DN 110
Number of outlets	[Unit]	1
Connections, outlet		DN 110
Max. operating pressure	[bar]	1.00
Pump capacity, max.	[l/h]	30000
Rec. flow rate (gravitation)	[l/h]	12500
Pump capacity, min.	[l/h]	5000
Suitable for ponds to max.	[m <sup>3</sup> ]	70.0
Suitable for ponds with fish stock	[m <sup>3</sup> ]	40.0
Suitable for ponds with koi*	[m <sup>3</sup> ]	25.0
Material		Plastic / stainless steel
Connection to		ProfiClear, AquaMax Eco Gravity
Type of use		Pump fed system, gravity fed system
Other		Visual function check
<b>Order no.</b>		<b>50946</b>





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
BioTec ScreenMatic <sup>2</sup>													

## BIO TEC SCREEN MATIC<sup>2</sup>

The successful high-performance filter – completely redesigned

Significant improvements relative to the predecessor model.

Long service life thanks to automatic coarse debris extraction before it enters into the filter. Continuous belt filter at an affordable price.

### INNOVATION – MADE BY OASE



BioTec ScreenMatic<sup>2</sup> 140000

### Product characteristics at a glance

- Highly effective flow-through filter for ponds up to 140 m<sup>3</sup>
- Significantly less maintenance is required, thanks to coarse debris extraction, upstream from the filter inlet
- Automatically driven self cleaning of the Screen-Matic sieve
- Sludge drain with slide valve for removing debris from the filter system
- Cleaning of filter sponges directly in the filter, without removal
- Optimally matched to OASE AquaMax Eco filter pumps
- Direct connection possibility for Bitron C and Eco UVC clarifiers
- Different filter materials for optimal settlement of filter biology

### The clever product improvements are relative to the predecessor model:

- Double-sealed motor for an extended service life
- Adjustable cleaning automation controls the belt, depending on the degree of pollution. Incl. LED function check.



#### Intelligent function checks

Sensors detect the pollutant level and activate the belt run automatically. An LED display shows required cleaning measures



#### Optimised water distributors

Ensures an ideal water check over a broad pump spectrum, entirely without narrow points susceptible to clogging.



#### Sludge basket

Significantly greater convenience in handling the basket. Innovative contamination barriers prevent leaking out into the filter chamber.



#### Rubberised separator lip

For an even better separation result in the case of non-uniform pollution burden.

- Water distributor without danger of clogging, permits the ideal jet length of the water
- Sludge basket with greater volume and simplified handling
- Rubberised separating lip for outstanding separation result
- Reinforced strap material for an extended service life
- Free brush for occasional cleaning of the belt filter
- Manual belt run now possible via button
- New foam distribution and optimised water level in the container ensure longer filter service life and an improved cleaning result

#### Accessories (must be ordered separately)

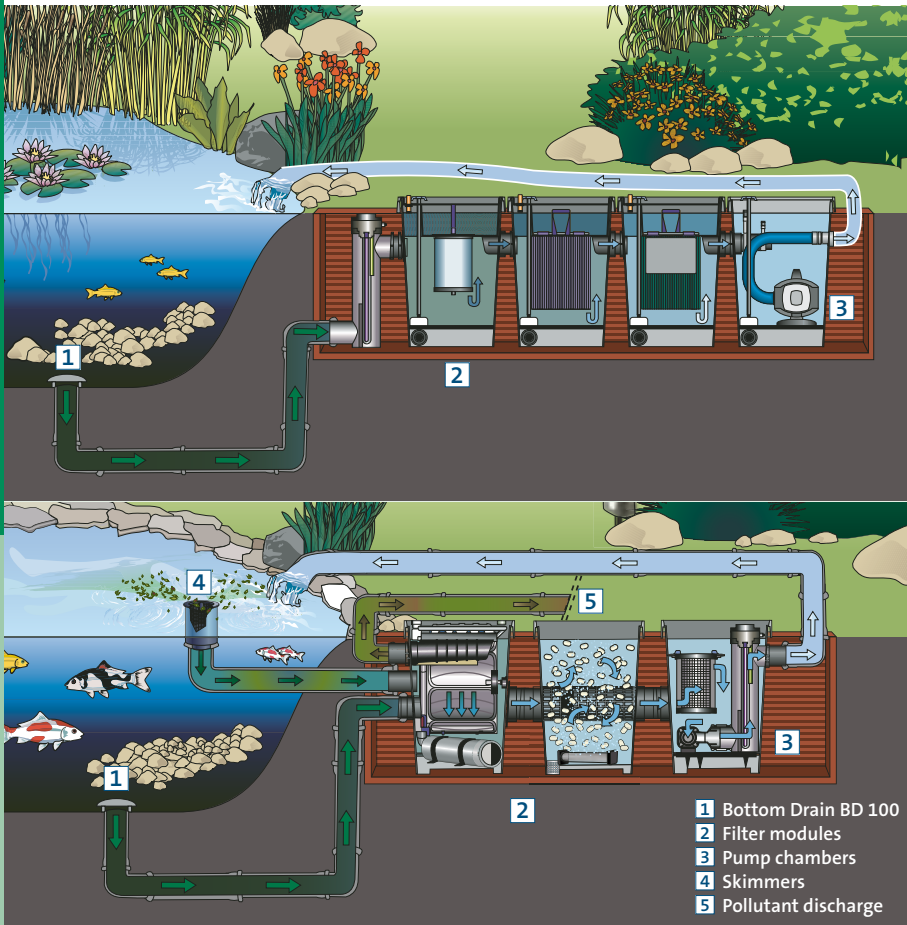


#### Spiral hoses, green with black -spirals (pressure: 6 bar)

- Frost-resistant and UV-resistant
- Good sinking characteristics
- Temperature-resistant to + 60 °C
- Heavy-metal free – guaranteed

Spiral hoses		
1 ½"	25 m length	<b>Order no. 52981</b>
2"	20 m length	<b>Order no. 36500</b>
Replacement filter sponges		
for BioTec ScreenMatic <sup>2</sup>	red / purple	<b>Order no. 42894</b>
for BioTec ScreenMatic <sup>2</sup>	blue	<b>Order no. 42896</b>

BioTec ScreenMatic <sup>2</sup> 140000		
Dimensions (L x W x H)	[mm]	1200 x 800 x 760
Rated voltage (primary, secondary)	[V/Hz]	230 V / 50 Hz, 12 V
Power consumption	[W]	5
Cable length 12 V device	[m]	2.10 (power unit) + 5.00
Net weight	[kg]	95.00
Number of filter foams, total	[EA]	18
Number of blue filter foams	[EA]	4
Number of red filter foams	[EA]	7
Number of violet filter foams	[EA]	7
Special filter granulate	[kg]	14.50
Temperature display		No
Coarse debris extraction	[µm]	300
Connections, inlet	[mm]	25 / 32 / 38 / 50
Connections, inlet		1", 1¼", 1½", 2"
Connections, outlet		DN 110
Connections, sludge discharge		DN 75
Min. flow rate	[l/h]	8000
Max. flow rate	[l/h]	17500
Suitable for ponds up to max.	[m³]	140.0
Suitable for ponds with fish stock	[m³]	70.0
Suitable for ponds with koi* <sup>1</sup>	[m³]	35.0
Connection to		Bitron C 36–110W + Eco 120–240W
<b>Order no.</b>		<b>57696</b>



Schematic diagram: Module filter ProfiClear installed as »gravity-fed filter system«

### Filter systems for clear water dreams

The ProfiClear modular filter systems can be operated in two different ways depending on the local conditions: In accordance with the gravity-fed principle or as a pump-fed system.

Regardless of the variant for which you decide – ProfiClear modular filters offer variable implementation and are based on decades of OASE experience in the field of pond and system technology. This means mature technology of the highest quality.

## PROFICLEAR – GRAVITY-FED PRINCIPLE

With the gravity-fed system the filter is recessed into the ground and made level to the water line of the pond. Polluted pond water reaches the first filter module via the bottom drain or a liner transition. Because the pump is not positioned at the beginning of the system, the coarse debris

extractor can remove suspended matter in the water very effectively.

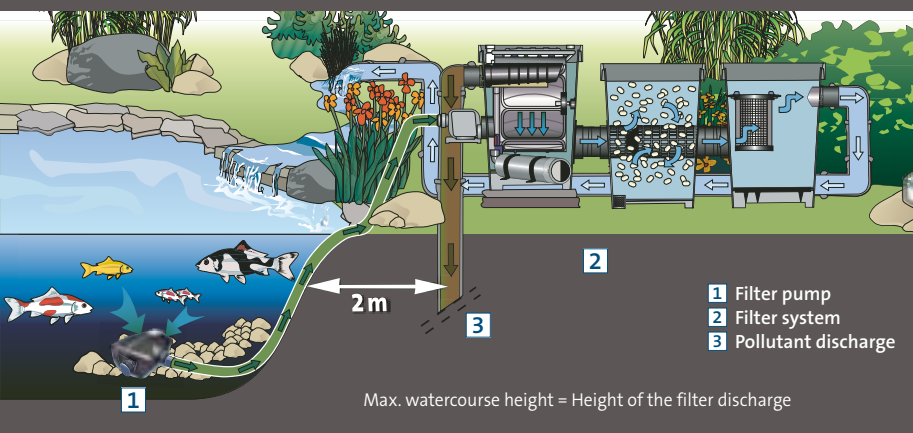
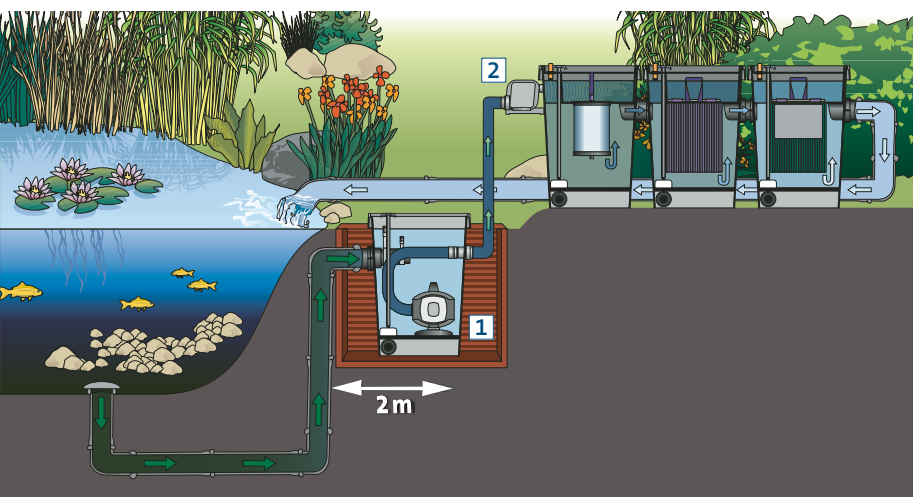
The pump is in the pump chamber at the back of the system and conveys the cleaned water back into the pond. Since there are no significant height differentials to overcome, energy-efficient AquaMax Eco Gravity pumps can be used.



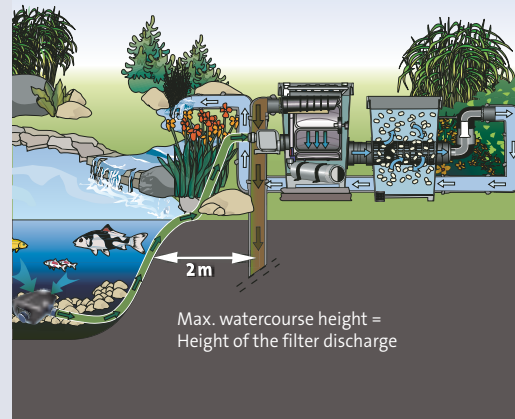
### System advantages at a glance

- Effective removal of suspended matter through exploitation of the gravity-fed principle
- Energy-efficient, as there is virtually no height differential and only minimal friction losses occur
- Can be integrated inconspicuously in the water garden
- UVC devices can be installed downstream or even upstream with the new Bitron Gravity
- Optimally matched to OASE AquaMax Eco filter pumps





Schematic diagram: Module filter ProfiClear installed as »pump-fed system«



With the optional discharge adapter you can operate the ProfiClear Premium in pump-fed setup even without the individual chamber.

## PROFICLEAR – PUMP-FED PRINCIPLE

With the pump-fed principle the filter system is installed above ground, and thus it is also above the water level of the pond. The polluted pond water is conveyed out of the pond or out of the levelled pump chamber and into the filter system using a pump. The cleaned water flows back via a freely inclined pipeline, watercourse, or waterfall. In this process the source of the watercourse is not higher than the filter discharge.

### System advantages at a glance

- Can be easily retrofitted to existing ponds
- Minimum installation effort
- Easy upstream installation of UVC devices
- Easy to extend the system
- Optimally matched to OASE AquaMax Eco Premium filter pumps





Schematic diagram: ProfiClear module filters are outstandingly suited for use on swim ponds

**Top 3 product characteristics**

- Can be individually matched to the size and the conditions of the pond
- Can be modularly extended if the pond changes
- Can be used in the energy saving gravity fed system

	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
ProfiClear Classic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## PROFICLEAR CLASSIC – RELIABLE MODULAR FILTER SYSTEM FOR LARGE BODIES OF WATER

**System advantages at a glance**

- Ideal for large ponds and swim ponds up to 200 m<sup>3</sup>
- Modularly extendible filter system for individual adaptation to local conditions
- Individual solutions through bringing together of different components
- Can be implemented in any size of pond and under any pond conditions
- Can be used as a pump fed version as well as a highly efficient energy saving gravity fed filter
- Coarse pollutant extraction with automatic cleaning (optional accessory)
- Easy maintenance cleaning handles and floor drains in each filter chamber
- High quality and impact resistant GRP and perfect workmanship
- Optimally matched to OASE filter pumps
- Protection against disproportionate algae growth when using the phosphate binder module



	<b>A</b> ProfiClear Classic Pump chamber	<b>A</b> ProfiClear Classic / Compact Pump chamber	<b>B</b> ProfiClear Classic coarse debris extraction	<b>C</b> ProfiClear Classic filter foam module	<b>D</b> ProfiClear Classic phosphate binder module
Dimensions (L x W x H) [mm]	830 x 600 x 820	830 x 665 x 820	830 x 600 x 820		
Net weight kg	34.40	36.50	36.10	40.40	43.35
Coarse debris extraction [µm]	–	–	800	–	–
Biological filter surface [m²]	–	–	–	90.0	148.0
Special filter granulate [kg]	–	–	–	–	4.00
Number of blue filter foams [EA]	–	–	–	3	–
Number of red filter foams [EA]	–	–	–	3	–
Number of black filter foams [EA]	–	–	–	–	6
Temperature display	No				
Inlets ProfiClear Classic	2x DN 110 / 1x DN 150		1x DN 110 / DN 150 + 2x DN 50		
Outlets ProfiClear Classic	25–50 mm (1"–2") + 1x DN 50	1x 2" / 2x DN 110	1x DN 110 / DN 150		
Connections, sludge discharge	DN 75				
Max. flow rate [l/h]	25000		12500		
Rec. flow rate (pumped) [l/h]	–		8000		
Rec. flow rate (gravitation) [l/h]	–		6000		
Other	Pollutant discharge incl. slide valve				
Product characteristics	<p><b>Whether the OASE modular filtration system is operated as a gravity-fed filter in the ground or as a pump-fed version. The ProfiClear Classic pump chamber ensures the correct positioning of the filtration pump.</b></p> <ul style="list-style-type: none"> <li>• Safe and standard-conformant setup for swim ponds</li> <li>• Easy maintenance and winter care</li> <li>• Protection against excessive silt</li> <li>• Debris that accumulates in the sediment tank is flushed out via the bottom drain <b>1</b></li> </ul> <p><b>Note:</b> Starting in 2016 a DN 110 slide valve will no longer be included in the scope of delivery. This can be ordered separately as an accessory item: 27171 (see ProfiClear accessories).</p>	<p><b>Enables space-saving and energy-efficient integration of up to two Aqua-Max Eco Gravity and Bitron Gravity units.</b></p> <ul style="list-style-type: none"> <li>• Maximum flexibility in the connection through DN 110 and 2" ducts</li> <li>• Reduction of pressure losses</li> <li>• Safe and standard-conformant setup for swim ponds</li> <li>• Easy maintenance and winter care</li> <li>• Protection against excessive silt</li> <li>• Debris that accumulates in the sediment tank is flushed out via the bottom drain <b>1</b></li> </ul>	<p><b>Enables easy mechanical extraction of solids up to 800 µm in size.</b></p> <ul style="list-style-type: none"> <li>• Incoming water is fed via two large-surface extraction sieves <b>1</b> into the next filter chamber</li> <li>• Pulling the slide valve <b>2</b> flushes out the debris via a DN 75 discharge</li> <li>• Incl. hose coupling for fresh water rinsing</li> <li>• The extraction sieves are quickly cleaned by interior and exterior brushes by operating the cleaning handle <b>3</b></li> <li>• A pollutant level indicator <b>4</b> signals when maintenance is required</li> <li>• Automatic and regular cleaning is possible via the ProfiClear Screen-drive (optional accessory)</li> </ul>	<p><b>The ProfiClear Classic filter foam module ensures safe removal of toxic substances like ammonium/ammonia or nitrite.</b></p> <ul style="list-style-type: none"> <li>• The water to be filtered is channelled through the coarse and fine foams <b>1</b> that contain the vital filter biology</li> <li>• The oxygen necessary for the nitrification processes is supplied via connections on the housing</li> <li>• The foams are cleaned by being compressed against the intermediate floors via the cleaning levers <b>2</b></li> <li>• Pulling the slide valve <b>3</b> flushes the debris out via a DN 75 discharge, which can be supported through rinsing via cleaning nozzles</li> <li>• Incl. hose coupling for fresh water rinsing</li> </ul>	<p><b>The ProfiClear Classic phosphate binder module converts nitrate into gaseous nitrogen (denitrification) and eliminates phosphates.</b></p> <ul style="list-style-type: none"> <li>• A majority of the water is channelled past the <b>1</b> filter foam. This establishes the low oxygen milieu that is so important for the denitrifying bacteria</li> <li>• The lesser portion of the flow volume is channelled through the Phos-Less inserts <b>2</b> (4 units)</li> <li>• Binders ensure quick and safe phosphate removal</li> <li>• Elimination of these nutrients significantly restricts string algae growth</li> <li>• Virtually maintenance-free because bypass regulation in the foam prevents clogging</li> <li>• A pollutant level indicator <b>3</b> signals when maintenance is required</li> <li>• Pollutant discharge <b>4</b> incl. slide valve</li> <li>• Incl. hose coupling for fresh water rinsing</li> </ul>
Order no.	51061	42913	51064	51065	51066





**The solution for large koi ponds.** Koi pond owners know that what starts as a small pond with a few koi quickly, with increasing passion becomes a larger koi pond installation. With the number of fish and use of the pond, the demands imposed on performance and convenience of the a filter system, naturally increase as well, today no one wants to make any compromises.

**The new generation ProfiClear Premium module filter system** has been developed jointly in intensive cooperation with leading european koi experts, and with its extremely reliable filter performance, its well thought-out functions, and its unusual price / performance ratio, it sets totally new standards.

It consists of three modules, drum filter module, moving bed module and individual module, the entire system even ensures clear water if the pond is extended by an additional 50m³ or if their is a desire for swimming. The secret is its flexibility; depending on the use of the pond a second Moving Bed module can be connected, and the Individual module can be equipped with additional filter media. In the most uncomplicated way, this increases the overall filter capacity and large bodies of water, such as natural ponds and swim ponds up to 200m³ remain clear.

**Discover the versatile functions and convincing advantages of this system; it remains unique in its class!**

	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Individual Module	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Moving Bed Module	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Drum filter pump-fed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Drum filter gravity-fed system	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

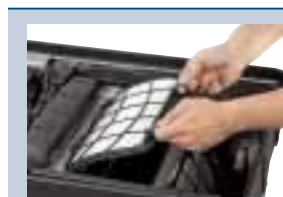
## PROFICLEAR PREMIUM – SOPHISTICATED FILTER SYSTEM FOR KOI PONDS

### System advantages at a glance

- Intelligent high end module filter system for Koi ponds and other large bodies of water to 260 m³
- Outstanding filter capacity with intelligent control functions
- Intelligent self cleaning function for unique maintenance free operation (drum filter module)
- Highly effective decomposition of pollutants and nutrients, thanks to professional filter media and moving bed process (MovingBed module)
- Flexible adaptation of the filter system to individual requirements (individual module)
- Mature, professional technology with more than 3 years of development time
- Innovative and reliable product  
»made in Germany\*« \*Except pressure pump



[www.oase-livingwater.com/proficlearfilm](http://www.oase-livingwater.com/proficlearfilm)



#### ProfiClear Premium sieve

- Accessories for the Drum Filter Module
- At 150 µm, ensures removal of coarser debris and thus reduces water consumption
- Ideal for use on natural ponds or swim ponds

ProfiClear Premium sieve

Order no.

50947

## DRUM FILTER MODULE



Intelligence sets the pace. The intelligent switch centre removes coarse debris to 60 µm – i.e. finer than a strand of hair.

- Maximum particle removal to 60 µm and flow-through rates to 33 m<sup>3</sup>/h for a crystal clear view
- Flexible implementation possibilities; can be used in the gravity-fed system, as well as in the pump-fed system
- Automatic self-cleaning offers maximum convenience
- Rinsing is executed with cleaned pond water, a water connection is not required
- A watertight microcontroller system monitors and controls the main functions, operation is as easy as child's play (plug & play)
- Control system with retrospective display of errors in running operation as well as adjustment possibilities for forced cleaning, duration of cleaning and supplemental cleaning
- Pollutant rakes on the sieves reliably



remove string algae and other larger particles from the drum

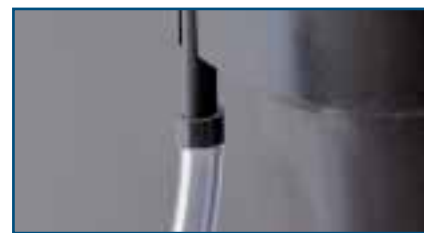
- Pollutant trough made of ductile EPDM material prevents jamming of larger particles
- VDE testing certifies reliable and safe functions
- Safety level switch in the pump-fed system prevents jamming due to debris particles
- Stable housing thanks to solid stainless steel elements and dimensionally stable Duroplast
- Individually removable sieve elements (no tools required) and free-wheeling functions for easy access to the drum interior
- Incomparably quiet through extensive noise damping
- Powerful, high-quality pressure pump is integrated for flushing the drum
- Full flexibility for the connection with up to 4x DN 110 inlets
- Screen elements in 150 µm mesh width optionally available as accessories

## MOVING BED MODULE



Hel-X ensures optimum media circulation Original Hel-X biomedica are highly effective at degrading pollutants in the moving bed process.

- Extremely large, protected settlement surface for microorganisms (806 m<sup>2</sup>/m<sup>3</sup>)
- Innovative bypass technology for optimal movement of the Hel-X bioelements even with high flow rates
- Removal of toxins, such as ammonium / ammonia, nitrite and nitrate
- Hel-X Biomedium 50 l decompose approx 340 g of fish food per day. Its performance depends on temperature, feed quality and the degree of settlement of microorganisms
- Aerator bar for oxygen enrichment and turbulence already installed
- Advantages of the moving bed process: Permanent, optimal oxygen supply; self-cleaning effect from dead biomass, know-how from industrial water treatment
- Integrated bottom drain with high quality, finely engineered slide valve



Integrated aerator can be connected to AquaOxy aerator pumps.



It was possible to significantly extend the surface that can be settled (surface protected: + 14.5 % relative to the predecessor product).

## INDIVIDUAL MODULE



Flexible with maximum effectiveness. The filter system is flexibly aligned to the individual conditions of the body of water.

- Space-saving pump and UVC chamber for easy integration of: AquaMax Eco gravity filter pumps and Bitron Gravity UVC clarifiers
- Maximum flexibility in the connection through DN 110 and 2" ducts
- To increase the filter capacity, it's possible to fill the 2 individual baskets in the flow area with additional filter medium up to 8 litres fill volume
- Integrated bottom drain with high quality, finely engineered slide valve



Convenient filling of the 2 individual baskets with up to 8 litres fill volume.



**ProfiClear Premium**

**1**

ProfiClear Premium  
Drum filter pump fed

**1**

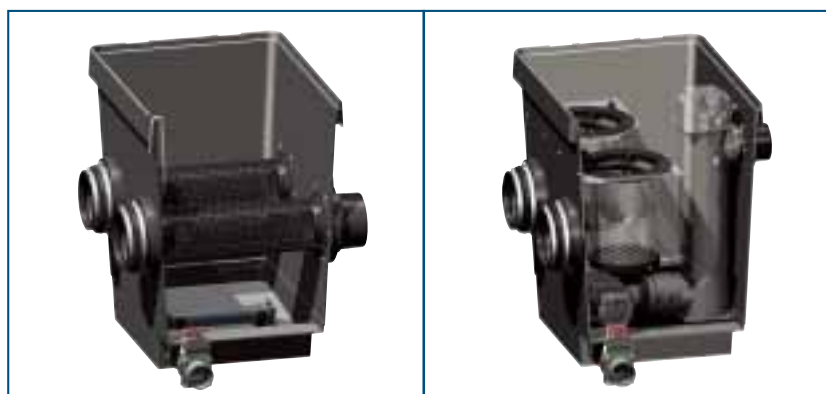
ProfiClear Premium  
Drum filter gravity fed system

Description

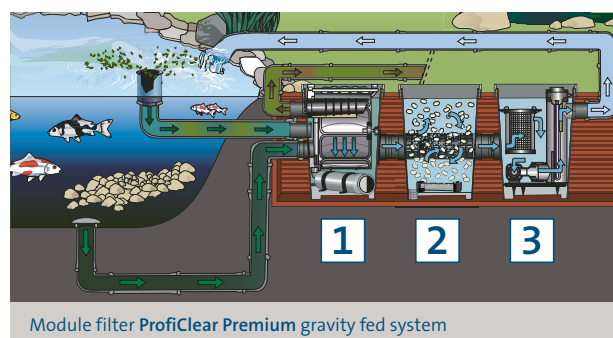
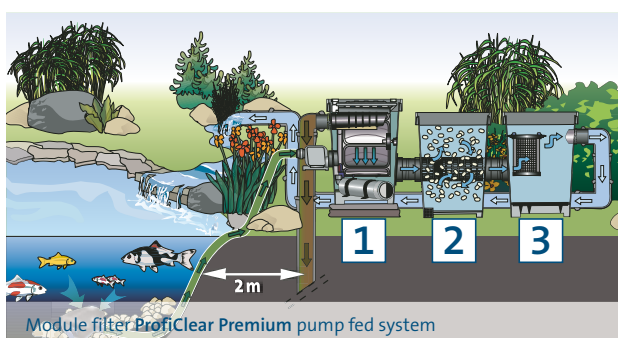
- Filter capacity to 60 µm and 33 m³/h flow-through rate
- Automatic self-cleaning
- A watertight microcontroller system monitors and controls the main function
- VDE testing certifies reliable and safe functions
- Only gravity-fed: full flexibility for the connection with up to 4x DN 110 inlets
- Safety level switch in the pump-fed system prevents jamming due to debris particles
- Massive stainless steel elements
- Individually removable sieve elements (no tools required) and freewheeling function
- Particularly quiet in operation
- High quality pressure pump is integrated for flushing the drum

Dimensions (L x W x H)	[mm]	830 x 600 x 820	
Rated voltage		230 V / 50 Hz	
Power consumption	[W]	5	
Power consumption cleaning	[W]	1050	
Cable length	[m]	2.00 + 1.00	2.00 + 5.00
Net weight	[kg]	70.00	
Control unit		Microcontroller	
Temperature display		Digital	
Coarse debris extraction	[µm]	60.00	
Number of nozzles / flush quantity		4 x 2.5 l / min	
Flush pump		6 bar	
Flush automation		Sensor, time interval, manual	
Number of sieve elements	[EA]	8	
Filter intake surface	[cm²]	3454	
Material		GRP Duroplast / stainless steel	
Number of inlets	[EA]	2	4
Connections, inlet	[mm]	50	–
Connections, inlet		2 x 2" + Bitron	DN 110
Number of outlets	[EA]	2	
Connections, outlet		DN 150	
Connections, sludge discharge		DN 75, DN 110	
Connection, flush trough		DN 110	
Connection to		Bitron Eco 120 – 240 W, Bitron C 72 – 110 W	Bitron Gravity
Min. flow rate	[l / h]	10000	
Max. flow rate	[l / h]	25000	33000
Install height above the water level	[cm]	40	13
Type of use		Pump fed system	Gravity fed system
Other		Pollutant discharge incl. slide valve	
Order no.		50773	56774





ProfiClear Premium		2	3
		ProfiClear Premium Moving bed module	ProfiClear Premium Individual module
Description		<ul style="list-style-type: none"> <li>Extremely large, protected settlement surface for microorganisms (806 m<sup>2</sup>/m<sup>3</sup>)</li> <li>Innovative bypass technology for optimal movement of the Hel-X bio-elements</li> <li>Removal of toxins, such as ammonium / ammonia, nitrite and nitrate</li> <li>Hel-X Biomedium: 50 l decompose approx. 340 g of fish food per day (can be extended to 100 l / module).</li> <li>Aerator bar for oxygen enrichment and turbulence already installed</li> <li>Permanent, optimal oxygen supply; self-cleaning effect from dead biomass</li> <li>Integrated bottom drain with high quality, finely engineered slide valve</li> </ul>	<ul style="list-style-type: none"> <li>Space saving pump and UVC chamber</li> <li>Maximum flexibility in the connection through DN 110 and 2" ducts</li> <li>To increase the filter capacity, it is possible to fill the individual baskets in the flow area with additional filter media up to 8 litres fill volume</li> <li>Integrated bottom drain with high quality, finely engineered slide valve</li> </ul>
Dimensions (L x W x H)	[mm]	830 x 600 x 820	
Net weight	[kg]	44.00	37.00
Biological filter surface	[m <sup>2</sup> ]	47.8	–
Biolog. filter surface protected	[m <sup>2</sup> ]	40.3	–
Individual granulate filter		–	2 x 8 litres
Number of sieve elements	[EA]	–	2
Material		GFK Duroplast	GRP / stainless steel
Number of inlets	[EA]	2	
Connections, inlet	[mm]	180	
Number of outlets	[EA]	2	
Connections, outlet		–	50
Connections, outlet		DN 150	2 x 2" / 2 x DN 110
Connections, sludge discharge		DN 75	
Min. flow rate	[l / h]	10000	
Max. flow rate	[l / h]	33000	
Connection to		AquaOxy 2000–4800	AquaMax Eco Gravity, Bitron Gravity
Install height above the water level	[cm]	13	
Type of use		Pump fed system, gravity fed system	
Other		Aeration pre-installed, pollutant discharge incl. slide valve	Pollutant discharge incl. slide valve
Order no.		50772	50771



# SELECTION TABLE – PROFICLEAR CLASSIC

	Natural ponds & swim ponds (without fish stock)		40 m <sup>3</sup>	60 m <sup>3</sup>	80 m <sup>3</sup>	100 m <sup>3</sup>	120 m <sup>3</sup>	160 m <sup>3</sup>	200 m <sup>3</sup>
	Coarse debris extractor	EA	1	1	1	1	2*	2*	2*
	Filter foam module	EA	1	1	2	3	3	4	6
	Phosphate binder module	EA	–	1	1	1	1	2	2
	Pump chamber	EA	1	1	1	1	1	1	1
	Bitron 72 W	EA	1	1	–	–	2	–	–
	Bitron 110 W	EA	–	–	1	–	–	2	–
	Bitron Eco 120 W	EA	–	–	–	1	–	–	2
	Optional: Bitron Gravity	EA	1	1	2	2	2	2	2
	Pump capacity / h = pond size / 8								
* Double-row configuration (the filter system must be operated in two filter rows that are separate from each other) see illustration below. This table considers the usual flow losses within the filter system. All references regarding our Filter / UVC combinations for special pond sizes are based on Mid-European climatic conditions. For other regions they could differ due to the water temperature and sun intensity.									

	With fish stock (up to 1 kg/1000 l)		20 m <sup>3</sup>	30 m <sup>3</sup>	40 m <sup>3</sup>	50 m <sup>3</sup>	60 m <sup>3</sup>	80 m <sup>3</sup>	100 m <sup>3</sup>
	Coarse debris extractor	EA	1	1	1	1	2*	2*	2*
	Filter foam module	EA	1	1	2	3	3	4	6
	Phosphate binder module	EA	–	1	1	1	1	2	2
	Pump chamber	EA	1	1	1	1	1	1	1
	Bitron 72 W	EA	1	1	–	–	2	–	–
	Bitron 110 W	EA	–	–	1	–	–	2	–
	Bitron Eco 120 W	EA	–	–	–	1	–	–	2
	Optional: Bitron Gravity	EA	1	1	2	2	2	3	4
	Pump capacity / h = pond size / 4								
* Double-row configuration (the filter system must be operated in two filter rows that are separate from each other) see illustration below. This table considers the usual flow losses within the filter system. All references regarding our Filter / UVC combinations for special pond sizes are based on Mid-European climatic conditions. For other regions they could differ due to the water temperature and sun intensity.									

## BIOLOGICAL PERFORMANCE OF THE HEL-X BIO MEDIUM IN THE MOVING BED MODULE:

50 l of Hel-X decomposes approx 340 g of fish food per day. If necessary, the fill level already contained can be extended from 50 l to 75 l (510 g fish food) per Moving Bed Module with an additional aeration. **Up to 3 Moving Bed Modules per row can be inserted in succession.** Among other factors, biological performance depends on temperature, food quality and the degree to which the Hel-X is settled with microorganisms.

### Rules of thumb

#### How to calculate the right UVC power for your pond

- Ponds **without fish stock**: 1 W UVC power per m<sup>3</sup> pond volume
- Ponds **with fish stock**: 2 W UVC power per m<sup>3</sup> pond volume
- Ponds **with koi stock**: 4 W UVC power per m<sup>3</sup> pond volume

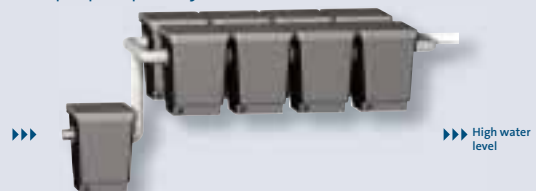
Note: To keep the bacterial load low in the koi pond, the Bitron Gravity should be operated with a max. flow rate of 12.5 m<sup>3</sup>/h. In this regard recirculation of 55% of the pond volume/h should be the objective. These recommendations are already considered in the table above.

**Double-row configuration with ProfiClear as the example**  
The filter system must be operated in two filter rows that are separate from each other.


#### Setup – gravity fed system




#### Setup – pump fed system




## SELECTION TABLE – PROFICLEAR PREMIUM



Natural ponds & swim ponds		40 m <sup>3</sup>	60 m <sup>3</sup>	80 m <sup>3</sup>	100 m <sup>3</sup>	120 m <sup>3</sup>	160 m <sup>3</sup>	200 m <sup>3</sup>
Drum filter module	EA	1	1	1	1	1	1	1
Moving bed filter module	EA	1	1	1	1	2	2	2
Individual module	EA	1	1	1	1	1	1	1
ProfiClear Premium Compact	EA	1	1	1	–	–	–	–
Bitron 72 W	EA	1	1	–	–	–	–	–
Bitron 110 W	EA	–	–	1	1	–	–	–
Bitron Eco 120 W	EA	–	–	–	–	1	–	–
Bitron Eco 180 W	EA	–	–	–	–	–	1	–
Bitron Eco 240 W	EA	–	–	–	–	–	–	1
Bitron Gravity (gravity-fed system)	EA	1	1	1	1	2	2	2
Pump capacity / h = pond size / 8								
This table considers the usual flow losses within the filter system. All references regarding our Filter / UVC combinations for special pond sizes are based on Mid-European climatic conditions. For other regions they could differ due to the water temperature and sun intensity.								



With fish stock		20 m <sup>3</sup>	30 m <sup>3</sup>	40 m <sup>3</sup>	50 m <sup>3</sup>	60 m <sup>3</sup>	80 m <sup>3</sup>	100 m <sup>3</sup>
Drum filter module	EA	1	1	1	1	1	1	1
Moving bed filter module	EA	1	1	1	1	2	2	2
Individual module	EA	1	1	1	1	1	1	1
ProfiClear Premium Compact	EA	1	1	1	–	–	–	–
Bitron 72 W	EA	1	1	–	–	–	–	–
Bitron 110 W	EA	–	–	1	–	–	–	–
Bitron Eco 120 W	EA	–	–	–	1	1	–	–
Bitron Eco 180 W	EA	–	–	–	–	–	1	–
Bitron Eco 240 W	EA	–	–	–	–	–	–	1
Bitron Gravity (gravity-fed system)	EA	1	1	1	1	2	2	2
Pump capacity / h = pond size / 4								
This table considers the usual flow losses within the filter system. All references regarding our Filter / UVC combinations for special pond sizes are based on Mid-European climatic conditions. For other regions they could differ due to the water temperature and sun intensity.								



Koi ponds		15 m <sup>3</sup>	20 m <sup>3</sup>	25 m <sup>3</sup>	40 m <sup>3</sup> (Pump-fed system)	50 m <sup>3</sup> (Gravity-fed system)	60 m <sup>3</sup>	70 m <sup>3</sup>	90 m <sup>3</sup>
Drum filter module	EA	1	1	1	1	1	2*	2*	2*
Moving bed filter module	EA	1	1	1	2	3	3	3	4
Individual module	EA	1	1	1	1	1	2	2	2
ProfiClear Premium Compact	EA	1	1 (Gravity-fed system)	1	–	–	–	–	–
Bitron 110 W	EA	1	1	–	–	–	–	–	–
Bitron Eco 120 W	EA	–	–	1	–	–	2	1	–
Bitron Eco 180 W	EA	–	–	–	1	–	–	1	1
Bitron Eco 240 W	EA	–	–	–	–	–	–	–	1
Bitron Gravity (gravity-fed system)	EA	1	1	2	–	2	3	4	4
Pump capacity / h = pond size / 1.5									
* Double-row configuration (the filter system must be operated in two filter rows that are separate from each other) see illustration to the left. This table considers the usual flow losses within the filter system and expert recommendations for sterilisation capacity in koi ponds. All references regarding our Filter / UVC combinations for special pond sizes are based on Mid-European climatic conditions. For other regions they could differ due to the water temperature and sun intensity.									





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Sandfilter D 600	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sandfilter D 800	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Backwash Automatic Eurotronik	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

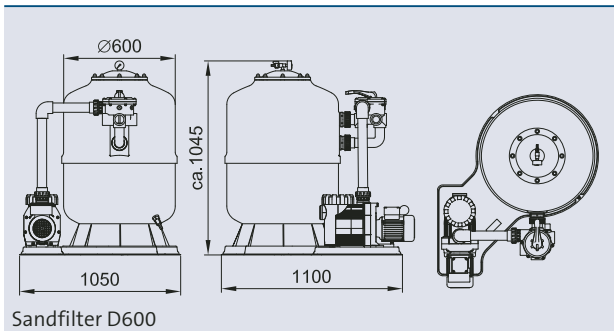
## SANDFILTER D600 / D800

Efficient water filtration significantly extends the interval between necessary cleaning tasks in spray fountains, ponds, and other systems.

### Product characteristics at a glance

- Efficient, mechanical water filtration
- Extends the cleaning interval
- Environmentally-friendly mechanical filtration
- Pre-assembled, easy-to install unit comprised of filter, pump, and multi-port valve
- Easy to clean

Accessories (must be ordered separately)



Sandfilter D600



Sandfilter D600



### Backwash Automatic Eurotronik

- For automatic backwash

### Backwash Automatic Eurotronik

Dimensions (LxWxH)	[mm]	245 x 140 x 95
Power Supply	[V/Hz]	230/50
Power consumption of the controller	[VA]	approx. 10
Breaking capacity	[kW]	max. 1.1
Motor-operated valve	[V]	230
Order no.		55351

### Crystal quartz sand

25 kg sack

Grain size	0.4 – 0.8 mm
Order no.	53428

### AFM filter medium

21 kg sack

The activated filter material comes with catalytic and oxidizing characteristics. Resists biofilm accumulation and enhances the service interval.	
Grain	0.5 – 1.0 mm
Order no.	50433

The crystal quartz sand filter should be operated independently of and parallel to actual spray fountain and circulation technology. The filter can work during fountain operation, in periods when the fountain is not operating, or it can even work around the clock.

The filter system consists of a container made of fibre-glass reinforced plastic and a pump and a multi-port valve. Everything is compact and pre-mounted on a plastic pallet. The fill opening of the

filter tank is sealed with a cover and an integrated manometer. The tank can be filled with crystal quartz sand or AFM filter medium and contaminated water is suctioned in by the pump. In the filter the water is forced through the filter material via an upper distributor with sieve and then it is fed back into the pool through a lower distributor with small open-seam pipe. If the filter capacity is exhausted the filter is simply rinsed in reverse and the debris is discharged via the wastewater channel.

**Table with guide values for filter runtime control / maximum pool water contents at filter runtimes of:**

Sandfilter		D 600	D 800
<b>At low contamination level</b>			
Recirculations / day		2	2
9 hours / day	[m <sup>3</sup> ]	50	120
15 hours / day	[m <sup>3</sup> ]	70	200
24 hours / day	[m <sup>3</sup> ]	120	300
<b>At medium level of contamination</b>			
Recirculations / day		4	4
9 hours / day	[m <sup>3</sup> ]	30	60
15 hours / day	[m <sup>3</sup> ]	45	100
24 hours / day	[m <sup>3</sup> ]	60	150
<b>At high level of contamination</b>			
Recirculations / day		6	6
9 hours / day	[m <sup>3</sup> ]	20	40
15 hours / day	[m <sup>3</sup> ]	35	60
24 hours / day	[m <sup>3</sup> ]	50	100

Sandfilter		D 600	D 800
Dimensions (LxWxH)	[mm]	1000 x 870 x 1100	1000 x 1000 x 1250
Filter tank with base & lid			
Filter tank diameter	[mm]	630	830
Filter surface	[m <sup>2</sup> ]	0.28	0.50
Recirculation capacity at 8 m wc	[m <sup>3</sup> /h]	13	25
Filter speed at 8 m wc	[m/h]	50	50
Reverse rinse speed	[m/h]	50	50
Reverse rinse duration	[min.]	ca. 2 – 4	ca. 2 – 4
Water requirement per reverse rinse	[l]	approx. 650 in 3 min.	approx. 1250 in 3 min.
Grain of the filter material	[mm]	0.4 – 1.0	0.4 – 1.0
Quantity of the filter material	[kg]	approx. 125	approx. 325
Max. operating temperature	[°C]	40	40
Max. operating pressure	[bar]	2.5	2.5
Suction line connection	[inch]	2	2
Pressure line connection	[inch]	1 ½	2
Back wash connection	[inch]	1 ½	2
Nominal motor power	[kW]	0.65	1.3
Motor power consumption	[kW]	0.97	1.85
Nominal motor voltage	[V/Hz]	230/50	230/50
Nominal motor current	[A]	4.7	8.3
Motor protection class		IP x 4	IP x 4
Weight without sand	[kg]	40.0	72.0
Filter tank material		GFK (Polyester)	GFK (Polyester)
Pump material		PP TV 20/PP TV 40	PP GF 30/PP TV 40
<b>Order no.</b>		<b>50431</b>	<b>50432</b>



Wall Skimmer	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray

## WALL SKIMMER

OASE stainless steel skimmers serve to suck in dirt particles floating on the water surface.

They are built into the side wall of the basin and connected to the suction pipe of the filter pump. Inside the large volume, stainless steel skimmer housing is a suction port, masking frame and dirt strainer basket with a floating flap. Masking frame, dirt strainer basket with floating flap form a compact unit. For discharge

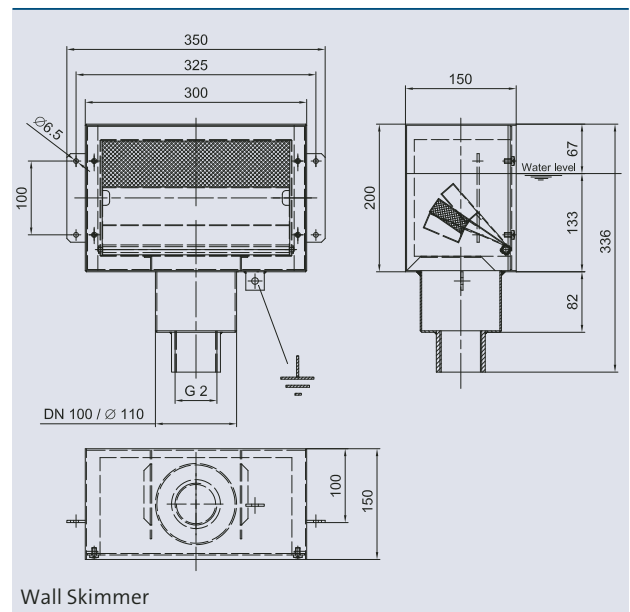
of collected dirt particles this unit can be easily taken out from the front side.

### Product characteristics at a glance

- Skimmer housing made of high-grade steel
- High performance of dirt straining
- Dirt strainer basket easily to be taken out



Wall Skimmer

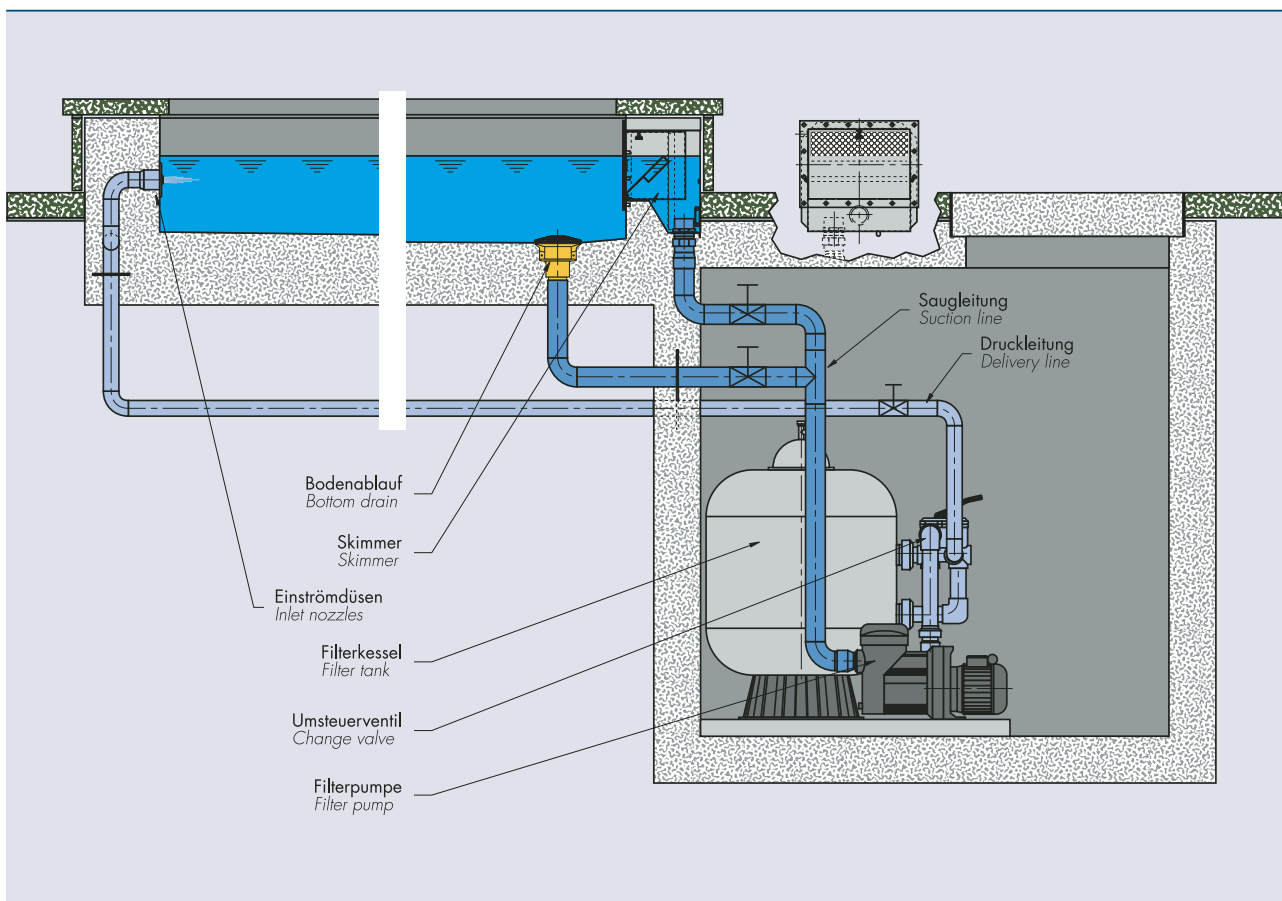


Wall Skimmer



The floating flap is moving and adapts to the varying water level. It is provided to break the tension of water surface and increase the suction velocity of the skimmer inlet. Due to the increased suction

velocity the floating dirt is sucked into the strainer basket more efficiently and stored inside for discharge. The skimmer housing has got a suction port from beneath.



**Accessories** (must be ordered separately)

Concrete part 100 T (see page 154)	57467
Debris sieve 100 E (see page 232)	51974
Concrete part 70 T (see page 154)	57471
Debris sieve 70 E (see page 232)	51973
Inflow nozzle 15 E (see page 238)	53086
Floor/wall transition 15-175 E (see page 238)	51142
Suction filter basket 200/100/15 E (see page 242)	51082



Wall Skimmer

Wall Skimmer		
Dimensions (L x W x H)	[mm]	350 x 150 x 336
Connection	[DN/inch]	100/2
Material		Stainless steel
Weight	[kg]	5.10
<b>Order no.</b>		<b>54921</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Clear Fountain System	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sonde Ph	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sonde Redox	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## CLEAR FOUNTAIN SYSTEM AND WATER TREATMENT

Spray fountain technology requires optimal water conditions: Ideal pH value, no algae and no germs are the basic prerequisites. We use proven means to achieve this end. OASE has developed a special product range of measuring and dosing equipment and accessories for trouble-free treatment.

### Product characteristics at a glance

- Visually and technically clean water
- Perfectly matched system components
- High-quality components from a single source
- Easy to handle

### CLEAR FOUNTAIN SYSTEM

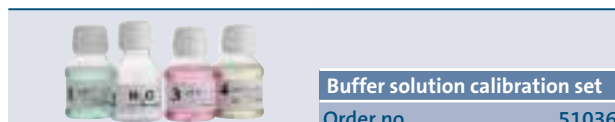
- Simple, reliable system in industrial casing with dosing pumps and control instruments.
- Password protected programming with user-friendly display and console.



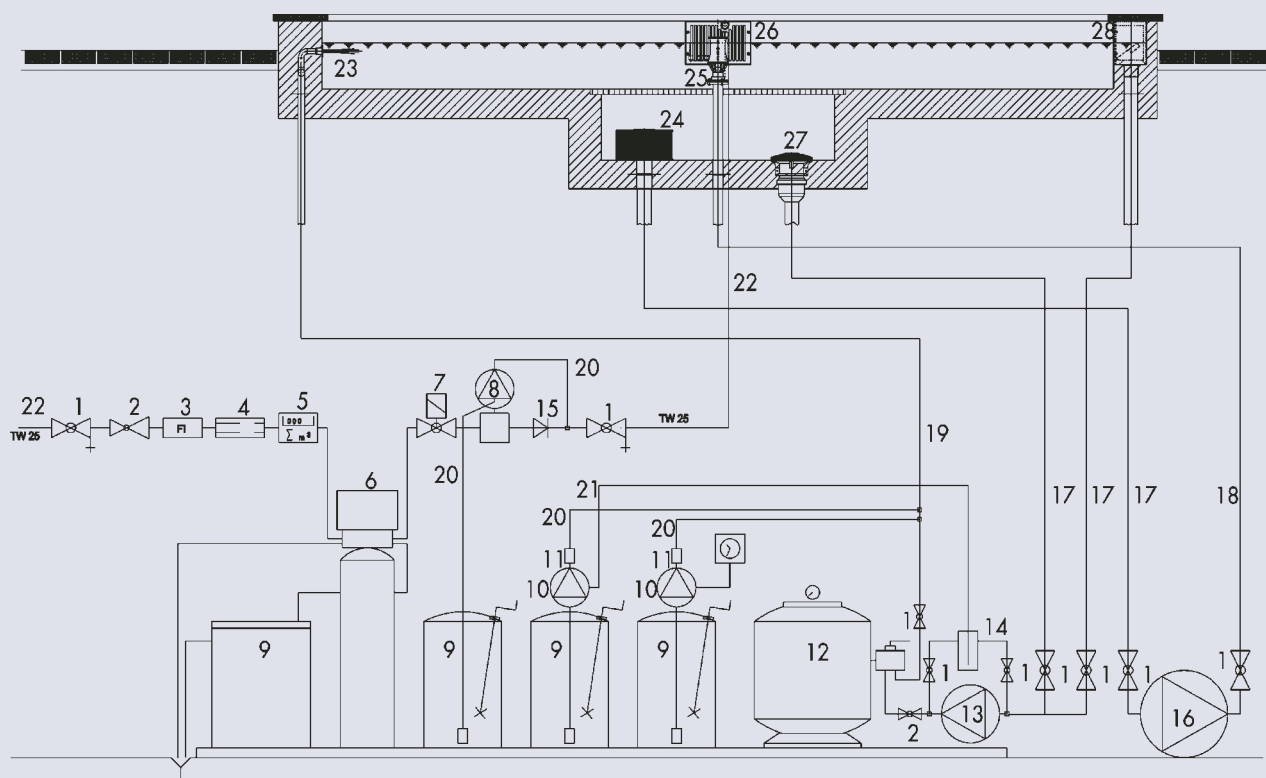
Clear Fountain System



Sonde Ph	Sonde Redox
Order no. 51034	Order no. 51035



Buffer solution calibration set  
Order no. 51036



- |  |                                 |   |
|--|---------------------------------|---|
| 1 = Blocking/throttle slider           | 10 = Dosing pump                | 20 = Dosing line                            |
| 2 = Pressure reducer                   | 11 = Pressure retaining valve   | 21 = Measuring line                         |
| 3 = Filter sieve                       | 12 = Crystal quartz sand filter | 22 = Fresh water line                       |
| 4 = Pipe disconnecter                  | 13 = Filter pumps               | 23 = Inflow nozzles                         |
| 5 = Water metre                        | 14 = Electrode holder           | 24 = Suction filter basket                  |
| 6 = Water softener system              | 15 = Backflow preventer         | 25 = Fountain attachment                    |
| 7 = Solenoid valve                     | 16 = Fountain pump              | 26 = Wall-installation combination armature |
| 8 = Water metre controlled dosing pump | 17 = Suction line               | 27 = Floor drain with sieve                 |
| 9 = Dosing tank                        | 18 = Pressure line              | 28 = Skimmer                                |
|  | 19 = Filter pressure line       |   |

	Clear Fountain System	PHW 30	OxyPool	AlGo Fountain
Description:	Compact dosing station	pH-value regulator for reducing the pH-value	<ul style="list-style-type: none"> <li>- Efficient water cleaner with the active ingredient hydrogen peroxide 9.9% and silver ions</li> <li>- Eliminates algae and acts against bacteria and fungus</li> <li>- Suitable for ornamental ponds, swim ponds, spray fountains and water features</li> </ul>	<ul style="list-style-type: none"> <li>- Efficient water cleaner with the active ingredient hydrogen peroxide 9.9% and silver ions</li> <li>- Eliminates algae and acts against bacteria and fungus</li> <li>- Suitable for ornamental ponds, swim ponds, spray fountains and water features</li> </ul>
Dimensions (L x W x H) [mm]	900 x 300 x 500	460 x 290 x 250	260 x 300 x 400	194 x 168 x 228
Voltage [V/Hz]	100-240/50-60	-	-	-
Power consumption [W]	56	-	-	-
Litre	-	30.0	20.0	5.0
Weight [kg]	16.0	31.0	25.0	6.8
Order no.	50434	53091	51062	40234

\* Utilise algicides safely. Always read the instructions and identifications before applying algicides.





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Clear Lake System CLS 250	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Clear Lake System CLS 500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Clear Lake System CLS 5000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Clear Lake System CLS 20000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

## CLEAR LAKE SYSTEM 250/500/5000/20000

Clear Lake System stands for cost-efficient, safe and resource-conserving water treatment, which was developed for application in natural and near natural water bodies.

A concentrated mixture of gas, called Di-Oxylyd, is produced from softened drinking water and salt. This gas destroys algae, kills bacteria and viruses, and thereby cleans and clears the water.

It is also applicable in private and public ponds and lakes, fish breeding plants, fountain systems and zoological and architectural water bodies and lakes.

### The system consists of

- Softener
- Storage tank for the regeneration salt
- Power unit (except for CLS 250 and 500)
- Electronic steering
- Membrane-electrolysis
- Special-ventilation for hydrogen-gas (except for CLS 250 and 500)
- Venturi injection unit (Bypass)

### Product characteristics at a glance

- Temperature controlled power units
- Control unit
- Display of the power output
- Potential free contact for external failure indicator
- Regulation of the cell-power 5% – 100%
- Automatic AirControl with emergency off (except for CLS 250 and 500)
- Special-ventilation for the hydrogen-gas (except for CLS 250 and 500)
- Electrolysis cells with titan-electrodes
- Low operation costs
- Compact design

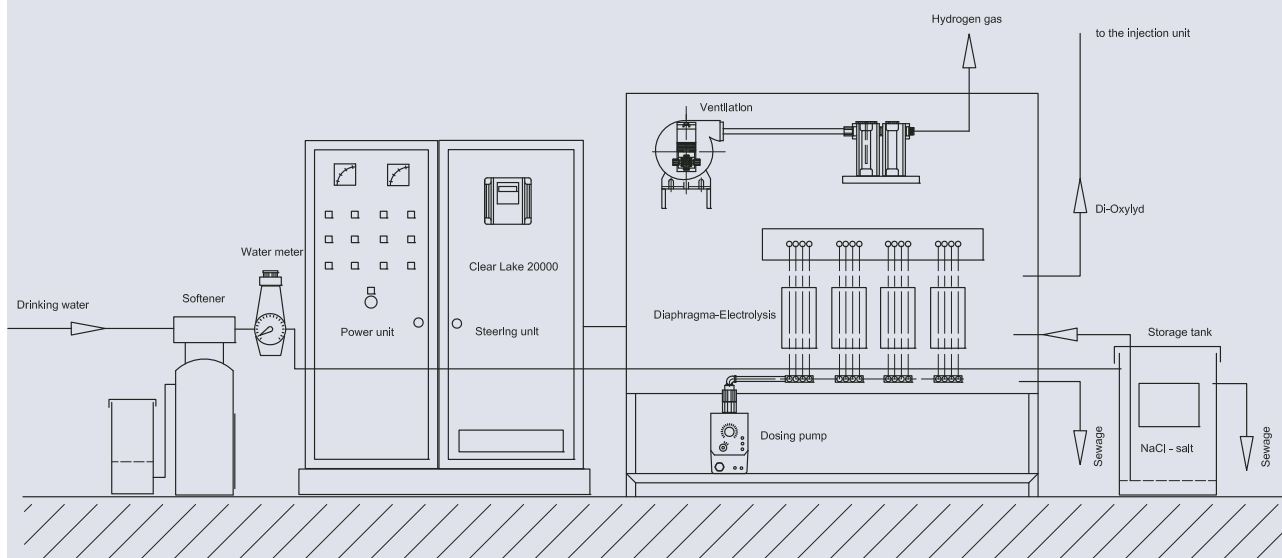
### Options (on request)

- Individual measurement and control technology
- Filtration systems

All Clear Lake Systems can be used in multiples!

## Schematic setup

Example: CLS 20000



### Clear Lake System softener

- Low-maintenance
- Regenerative
- Tap for soft water testing
- Performance-related magnetic valve
- Pressure reducer with manoscope and strainer



Example of use:

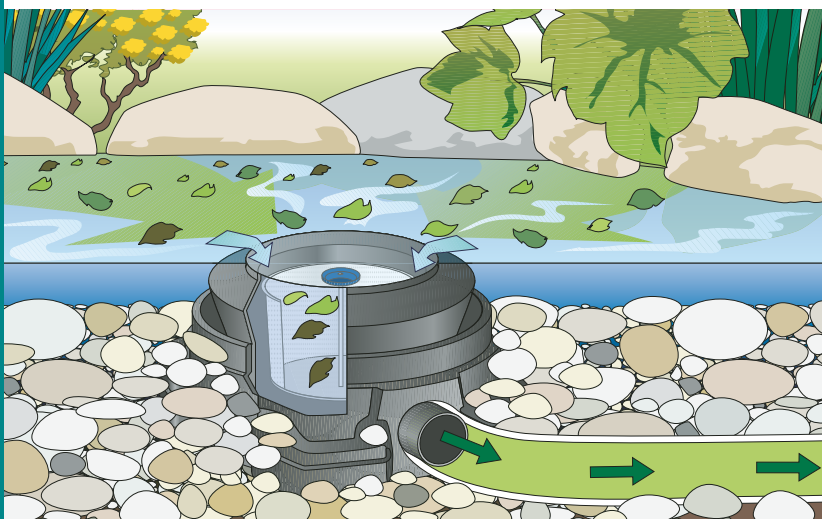
CLS 500



Display

Storage tank for the regeneration salt		CLS 250	CLS 500	CLS 5000	CLS 20000
Storage tank for the brine	[litre]	100	100	500	500
Brine-dosing pump	[l/h]	1.1 at 16 bar	1.1 at 16 bar	12.3 at 4 bar	32 at 2 bar
Dimensions	[mm]	(L x W x H) 300 x 400 x 800	(L x W x H) 300 x 400 x 800	(ø x H) 380 x 860	(ø x H) 490 x 870

Clear Lake System		CLS 250	CLS 500	CLS 5000	CLS 20000
Power supply unit	[A/V]	20/5.5	40/5.5	500	500
Control by the measurement system	[mA]	0 – 20	0 – 20	0 – 20	0 – 20
Impulse entrance max.	[Imp./min]	120	120	120	120
Electrical power input max.	[kVA]	0.2	0.3	4	16
Voltage	[V/Hz]	230/50	230/50	400/50	400/50
Salt consumption of electrolysis cell	[kg/h]	0 – 0.125	0 – 0.25	0 – 1.0	0 – 4.0
Fresh water supply max.	[l/h]	10 – 30	20 – 60	180 – 500	500 – 2000
Produced amount of Di-Oxylyd max.	[l/h]	25	50	500	2000
3% of caustic soda solution (liquid waste)	[l/h]	1.5	3	12	48
Conditioning of water volumes up to	[cbm]	250	500	5000	20000
Total weight (incl. storage tank) ca.	[kg]	25	40	380	750
Dimensions CLS (W x H x D)	[mm]	1000 x 800 x 300	1000 x 800 x 300	1600 x 1900 x 500	800 x 1900 x 500
Dimensions of the softener (ø x H)	[mm]	integrated	integrated	185 x 1180	210 x 1345
Mounting plate of electrolysis cells (W x H x T)	[mm]	–	–	–	2400 x 2000 x 650
<b>Order no.</b>		<b>58960</b>	<b>58960</b>	<b>58960</b>	<b>58960</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
ProfiSkim 100													
ProfiSkim Premium													

## PROFISKIM 100

Leaves, and particles deposited on the water surface by wind are a risk to the biological equilibrium in a body of water. OASE skimmers powerfully and effectively pull these pollutant particles off of the surface and into the collection basket. Thus pollutants can be removed from the eco system of the body of water before they harm the eco system.

ProfiSkim 100 for water surface cleaning spares you the bothersome task of mechanically cleaning surface pollutants. This stationary skimmer is impressive with an easy-to-operate cleaning unit and generously dimensioned 12-litre collection basket.

### Product characteristics at a glance

- Powerful suction cleaning of pond surfaces up to 65 m<sup>2</sup> or up to 80 m<sup>2</sup>
- Ideal implementation in shallow water zones
- Can be used in gravity fed operation (DN 110) or pump fed operation (incl. 2" adapter)
- Water routing for effective suction capacity
- Perfect supplement for filter systems in the gravity fed, as well as the pump fed system
- Large, easy to clean stainless steel basket with 8 mm mesh width. On request, a debris basket with 2 mm mesh width is available for the ProfiSkim Premium.
- ProfiSkim Premium with stable stainless steel base for even easier installation

\* Limited through DN100 pipe connection



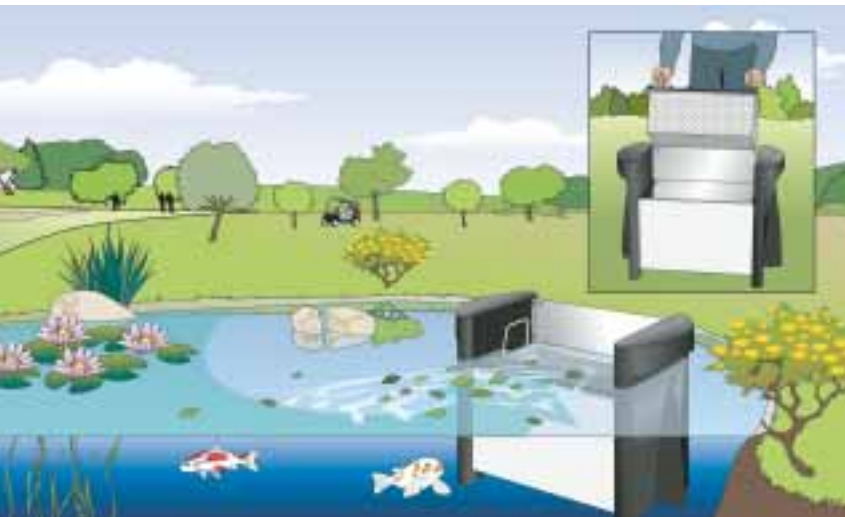
ProfiSkim 100



ProfiSkim Premium

ProfiSkim	100	Premium
Pedestal footprint (L x W) [mm]	780 x 585	500 x 340
Height min. [mm]	350	350
Height max. [mm]	530	530
Installation depth max. [mm]	530	530
Connection [DN]	2", DN 110	2", DN 110
Pipe reduction [inch]	2	2
Recommended flow rate (gravitation)	10000 – 12000	6000 – 12000
Recommended flow rate (pumped)	10000 – 20000	6000 – 20000
Filter basket volume [l]	12.00	7.00
Max. pond surface [m <sup>2</sup> ]	80	65
Weight [kg]	13.06	9.10
<b>Order no.</b>	<b>57134</b>	<b>51185</b>





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Skimmer 250													
Skimmer 250 A													

## SKIMMER 250 / 250A

Skimmer 250 is a high-performance floating skimmer that keeps up to 250 m<sup>2</sup> of surface water clean. The floating skimmer is particularly

well suited for bodies of water with significant water level fluctuation, and it can be flexibly implemented where pollutants accumulate.



Skimmer 250

### Product characteristics at a glance

- Powerful suction cleaning of pond surfaces up to 250 m<sup>2</sup>
- Optimal adaptation to water level differences
- Special large inlet and powerful suction capacity for first-class skimming results
- Extremely long service life thanks to high-quality workmanship and stainless steel elements
- Large, 27 litre stainless steel pollutant collection basket
- Fastening material included in the scope of delivery

Skimmer		250		250 A	
Dimensions (L x W x H)	[mm]	775 x 400 x 590	Dimensions (L x W x H)	[inch]	30.5 x 18.8 x 23.2
Skimmer opening width	[mm]	520	Skimmer opening width	[inch]	20.50
Basket size (L x W x H)	[mm]	510 x 310 x 190	Basket size (L x W x H)	[inch]	700 / 5.8
Filter basket volume	[l]	27	Filter basket volume	[gal]	7.1
Rated voltage	[V/Hz]	220 - 240 / 50	Rated voltage	[V/Hz]	110 - 120 / 60
Power consumption (pump)	[W]	250	Power consumption (pump)	[W/A]	300 / 2.7
Litres per minute max.	[l/min]	250	Litres per minute max.	[gal/min]	66
Litres per hour max.	[l/h]	15000	Litres per hour max.	[gal/h]	3700
Pressure-side connection	[m]	1 ½"	Pressure-side connection	[inch]	1½
Filter surface	[cm <sup>2</sup> ]	4500	Filter surface	[sq/ft.]	4.80
Suitable for ponds up to	[m <sup>2</sup> ]	250	Suitable for ponds up to	[sq/lbs.]	2690
Minimum water depth	[mm]	650	Minimum water depth	[inch]	2.60
Weight	[kg]	31	Weight	[lbs.]	64
Cable length	[m]	10	Cable length	[ft.]	7.50
<b>Order no.</b>		<b>57480</b>			<b>57488</b>



## AQUAACTIV

Rediscover the successful AquaActiv pond care series, now the whole concept has been cleverly optimised, extended and put together in a manner that makes sense for you. With our years of experience and the help of acknowledged experts we have developed innovative products.



### PHOSLESS



### BIOKICK



### OPTIPOND



### SEDI FREE



### ALGO DIRECT



### ALGO UNIVERSAL



### POND CLEAR



### WATER ANALYSIS PROFI-SET



### AquaActiv – mode of operation

The sensitive pond biology is frequently burdened through excessive fish stock, rainfall, excessive sunlight or leaves. The consequences are poor water values, excessive algae and

silt formation or even fish disease. AquaActiv is effective at precisely these points and restores the biological balance in the pond, to provide a basis for a sustainably healthy pond.

AquaActiv	PhosLess Algae protection refill pack	BioKick Starter bacteria for pond filters	OptiPond For optimal water conditions	SediFree Pond silt remover
Container size	15 x 2 bags 1 l	2 l	5 l	5 l
Suitable for ponds up to max. m <sup>3</sup>	40.0	100.0	50.0	100.0
Suitable for ponds with fish stock m <sup>3</sup>	10.0			
Description	<ul style="list-style-type: none"> <li>• 15 x 2 1 l bags PhosLess CA and PhosLess FS</li> <li>• Suitable for use in larger bodies of water</li> <li>• Replacement medium for PhosLess filter media tubes</li> <li>• Can also be directly applied in moving water</li> <li>• Ideal in ProfiClear Premium</li> </ul>	<ul style="list-style-type: none"> <li>• The bacterial activity in the filter works at 100%, even after just a few days</li> <li>• Detoxification of nitrite, ammonium, and ammonia starts immediately</li> <li>• Well-suited for post-dosing if some of the water is changed or when cleaning the filter!</li> <li>• Contains millions of active microorganisms</li> </ul>	<ul style="list-style-type: none"> <li>• Treats soft well water or rain water</li> <li>• Increases the carbonate hardness in exhausted water</li> <li>• Stabilises the most important parameters</li> <li>• Binds ammonium &amp; ammonia</li> <li>• Prevents dangerous drops in acidity</li> <li>• Contains vital minerals and trace elements</li> <li>• Ideal after heavy rainfall</li> </ul>	<ul style="list-style-type: none"> <li>• Transformation of organic silt via special high-performance bacteria</li> <li>• Gentle cleaning without refilling the pond or dredging, etc.</li> <li>• Focused prevention of silt, long-term turbidity, and algal bloom</li> <li>• Granulate with active oxygen sinks into the silt and oxidises it. Subsequent rapid decomposition of the silt through special bacteria</li> <li>• Product is marked »irritant«!</li> </ul>
Order no.	57477	50939	50558	50561

AquaActiv	AlGo Direct String algae control with contact effect	AlGo Universal Universal algae control	PondClear For crystal clear pond water	Water Analysis Profi-Set
Container size	5 l	5 l	5 l	
Suitable for ponds up to max. m <sup>3</sup>	100	100	50.0	
Description	<ul style="list-style-type: none"> <li>• Particularly for local and fast treatment of string algae, e.g. in watercourses</li> <li>• Works through direct contact</li> <li>• Microorganisms decompose dead algae</li> <li>• Includes pH/GH quick test</li> <li>• Active ingredient decomposes to oxygen and water within a short time, consequently use in swim ponds is possible</li> <li>• Effective without controversial copper additives</li> </ul>	<ul style="list-style-type: none"> <li>• Safely effective against the most frequently occurring algae types, string algae, suspended algae, and slime algae</li> <li>• Inhibits photosynthesis of the algae; algae starves</li> <li>• Effective without controversial copper additives</li> <li>• Harmless for plants and animals when used properly</li> <li>• Specifically effective against duckweed</li> <li>• Prevents further algae growth</li> </ul>	<ul style="list-style-type: none"> <li>• Binds mineral substances that cause cloudiness</li> <li>• Binds organic substances from fish waste or leaves that cause cloudiness</li> <li>• Effective against fine, non-filterable pollutants such as phosphates and heavy metal combinations</li> <li>• Accumulated flocculated material can be easily skimmed off with a net</li> <li>• Not suitable for algae control</li> </ul> <p>* not available in Germany</p>	<ul style="list-style-type: none"> <li>• Professional drop solutions for precise readings of all important pond parameters</li> <li>• Phosphate test incl. shelf life check solution</li> <li>• Incl. measurement accessories, colour charts, and useful application instructions</li> <li>• Delivered in a modern plastic case</li> <li>• Nitrite / Nitrate</li> <li>• Phosphate</li> <li>• Total hardness / Carbonate hardness</li> <li>• Ammonia / Ammoniac</li> <li>• pH value</li> </ul>
Order no.	Not available in GB! 50549	Not available in GB! 50545	50555	50571



# ACCESSORIES

FOR PROFESSIONAL SYSTEMS

ACCESSORIES



**Construction of a professional spray fountain system, a large fountain or perfectly planned water features is an extremely challenging task. The high-quality accessories from OASE are designed to help you meet that challenge.**

Planning has finally been completed, all desires and requirements have been taken into consideration, the terrain has been probed and the perfect solution has been found. Implementation is now the issue at hand – and sometimes, the devil is in the details.

OASE offers sophisticated accessories for all eventualities so that you can implement your ideas just as perfectly as they have been planned. They prevent you from unpleasant surprises in the implementation.



## 228 Accessories

- 230 Underground niches
- 232 Floor drain armatures
- 234 Overflow / Drain armatures
- 236 Return armatures
- 238 Inflow nozzles
- 238 Floor-/wall transitions
- 240 Overflow-/return armatures
- 242 Suction filter baskets
- 244 Fittings

### CAPACITY

**LOCATION: ISTANBUL/TURKEY**

The fountain with music and laser system is installed in an existing shopping mal in Istanbul.



*Nozzle-Chamber Vario*



*Suction filter basket*



*Fittings*





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Nozzle-Chamber Single													
Nozzle-Chamber Vario													

## NOZZLE-CHAMBER SINGLE / VARIO

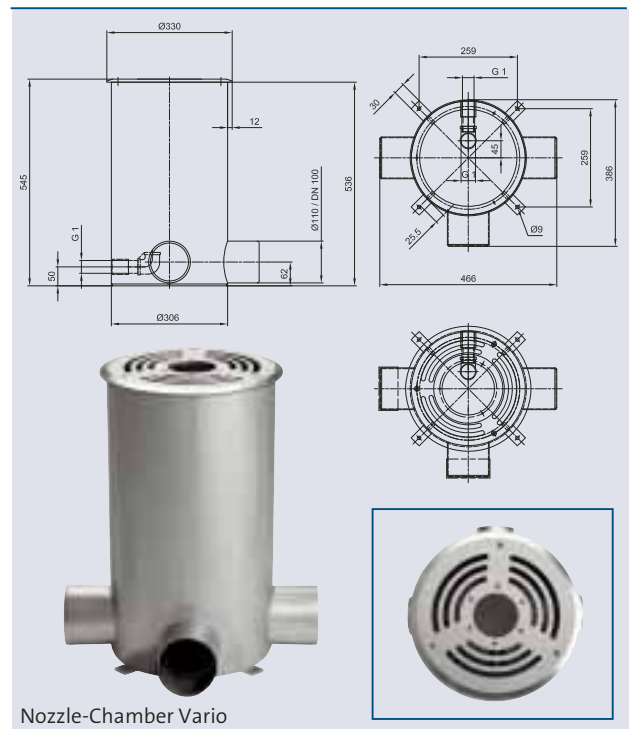
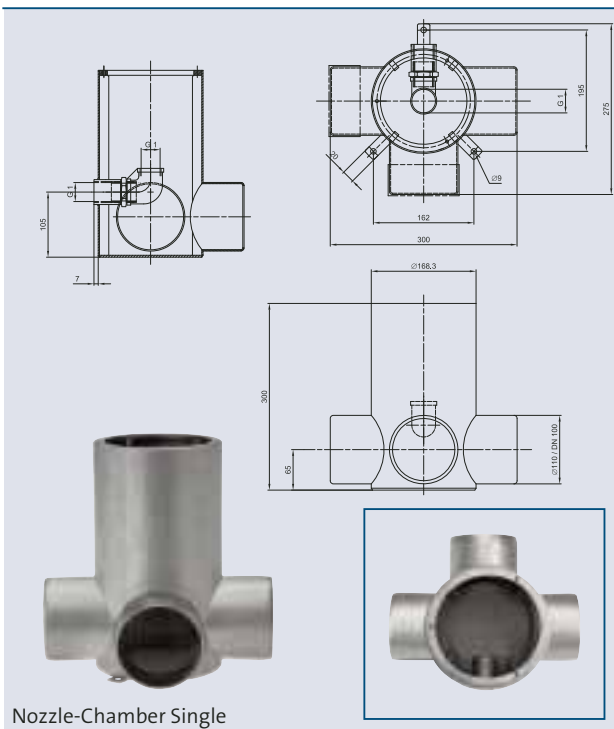
Compact water installations – even without a large pool can be quickly and easily implemented your design ideas in free spaces. The underground niches Nozzle-Chamber Single and Nozzle-Chamber Vario, offer ideal conditions for the uncomplicated installation of attractive water-light combinations without an open water surface. The Nozzle-Chamber Single is ideal for underground installation of the ProfiPlane LED 320/DMX/02 or our Comet and Schaumsprudler fountain jets. With the Nozzle-Chamber Vario you can also easily install the Vario-Switch 010a under-

ground with the ProfiPlane LED 320/DMX/02 or the Comet and Schaumsprudler fountain jets.

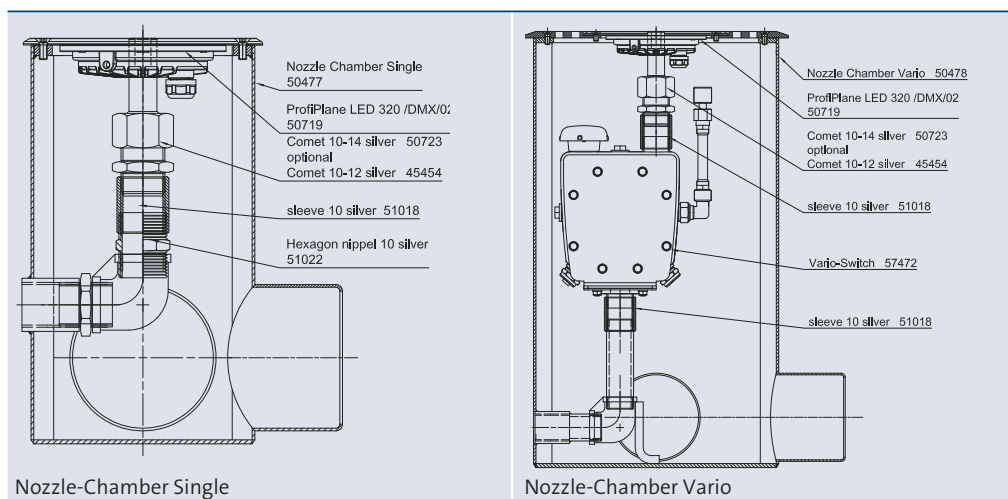
### Product characteristics at a glance

- Ideal for installation in open areas and multi-functional areas
- Easy installation
- With 3 DA 110 / DN 100 connections and 2 sealing caps
- G 1" pressure connection including 90° angle
- High-quality, robust stainless steel construction

For details of Vario Switch 010a, see page 22.



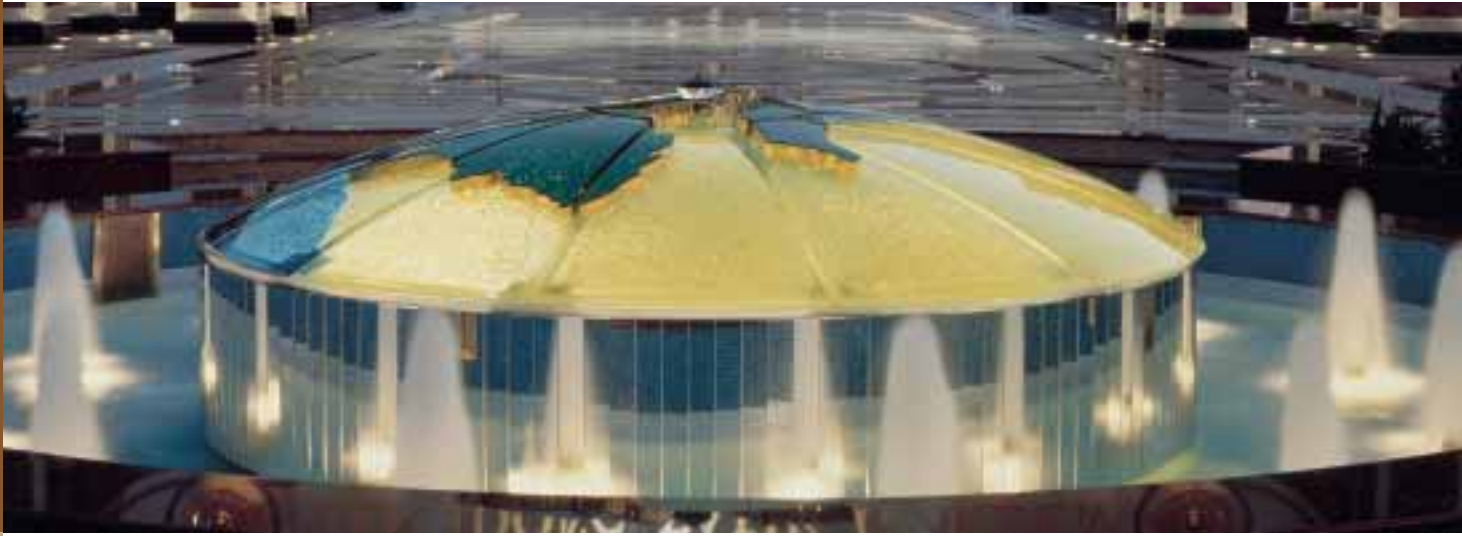




Nozzle-Chamber Single

Nozzle-Chamber Vario

<b>NEW</b>	<b>5</b>		
		– Graphic shows special coverplate – Individual solution available on request	– Graphic shows special coverplate – Individual solution available on request
Order no.		Individual coverplate for Nozzle-Chamber Single	Individual coverplate for Nozzle-Chamber Vario
		58902	58902
<b>4</b>			
Order no.		ProfiPlane LED 320/DMX/02 (see page 128)	ProfiPlane LED 320/DMX/02 (see page 128)
		50719	50719
<b>3</b>			
Order no.		Comet 10-12 Silver (see page 42)	Comet 10-14 Silver (see page 42)
		50723	50968
		50723	50968
<b>2</b>		can also be connected to other nozzles (e.g. Schaumsprudler 35-10 E)	
Order no.			Vario-Switch 010a/24V (see page 22)
			51018
<b>1</b>			
		Nozzle-Chamber Single	Nozzle-Chamber Vario
Dimensions (L x W x H) [mm]		300 x 275 x 300	466 x 386 x 536
Pressure connection [inch]		1	
Connection drain		3 x Ø 110/DN 100	
Material		Stainless steel 1.4301 (AISI 304)	Stainless steel 1.4301 / 1.4571 / Brass (AISI 304 / 316Ti)
Weight [kg]		5.5	23.0
Order no.		50477	50478



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Floor drain armatures													

## FLOOR DRAIN ARMATURES

Concrete or liner pools can be easily emptied via OASE floor drains. The drains are available with plug or with sieve.

Subsurface installation of a slide valve is required for discharging the models with debris sieve. Suitable cover sieves for the floor drains prevent excessive debris from getting into the drain (accessories).

The floor components of the drain armatures have concrete sealing flanges and can simply be inserted and cemented into the muffs of the drain pipes. Appropriate bores are available for connection to the equipotential bonding.

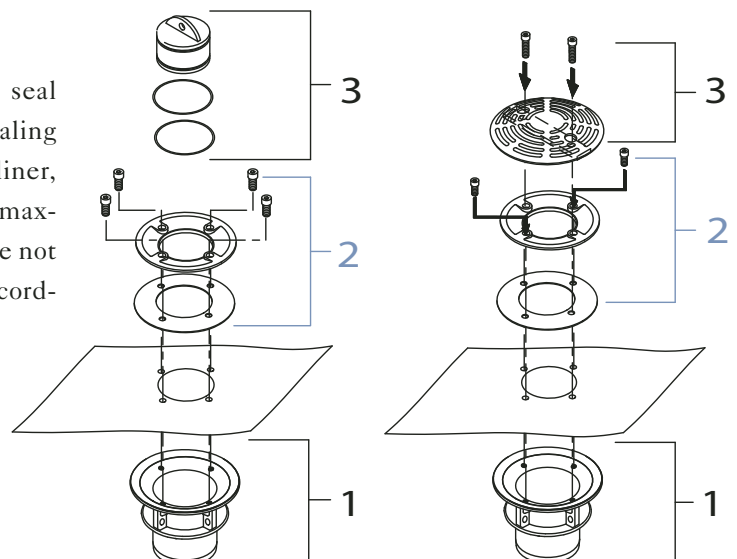
Appropriate liner clamping flanges with seal and bolts are available for flanging and sealing to liner. They are suitable for normal pool liner, with or without textile reinforcement and a maximum thickness of 2.5 mm, however they are not suitable for waterproofing membranes in accordance with DIN 18195.

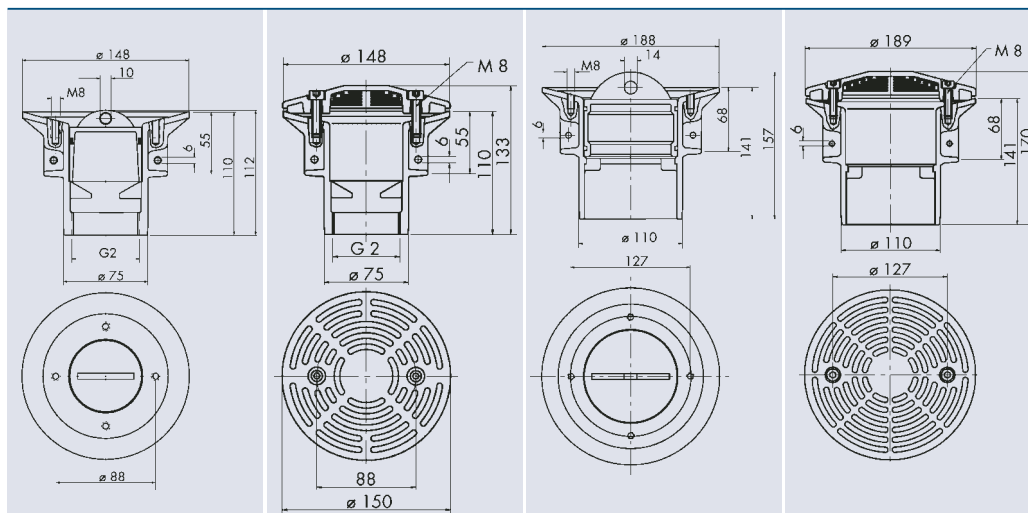
**1** The concrete part is the basis of every configuration. Available for DN 70 and / or DN 100 pipes.

**2** The clamping flange is for fastening with liner. Products with cable transitions are listed on page 156.

**This position can be used optionally.**

**3** Depending on the requirement a decision is made at this point concerning the specific implementation: Plug, sieve, overflow or level regulator...





<h1>3</h1>				
	<b>Plug 70 T</b>	<b>Debris sieve 70 E</b>	<b>Plug 100 T</b>	<b>Debris sieve 100 E</b>
Dimensions (ø) [mm]	70	150	100	190
Designation	plug	debris sieve	plug	debris sieve
DN	70	70	100	100
Material	Tombac	Stainless steel 1.4301 (AISI 304)	Tombac	Stainless steel 1.4301 (AISI 304)
Weight [kg]	0.6	0.6	0.9	0.7
<b>Order no.</b>	<b>57468</b>	<b>51973</b>	<b>57462</b>	<b>51974</b>

<h1>2</h1> (optional)		
	<b>Liner clamping flange 70 T</b>	<b>Liner clamping flange 100 T</b>
Dimensions (ø) [mm]	148 x 14	188 x 16
Designation	liner clamping flange	liner clamping flange
DN	70	100
Material	Tombac	Tombac
Weight [kg]	1.1	1.4
<b>Order no.</b>	<b>51108</b>	<b>51117</b>

<h1>1</h1>		
	<b>Concrete part 70 T</b>	<b>Concrete part 100 T</b>
Dimensions (ø x H) [mm]	70 x 110	100 x 141
Designation	concrete part	concrete part
DN [mm]/[inch]	70 / 2"	100
Material	Tombac	Tombac
Weight [kg]	2.1	3.2
<b>Order no.</b>	<b>57471</b>	<b>57467</b>





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Overflow/drain armatures													

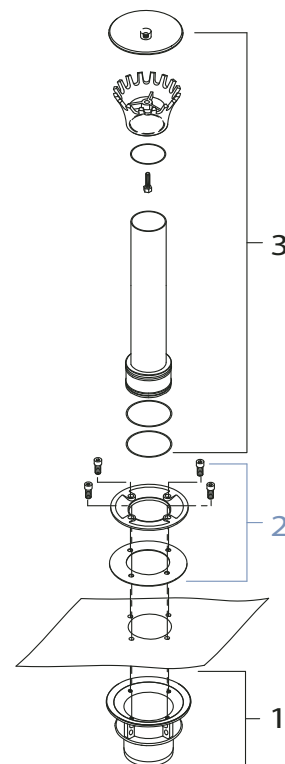
## OVERFLOW / DRAIN ARMATURES

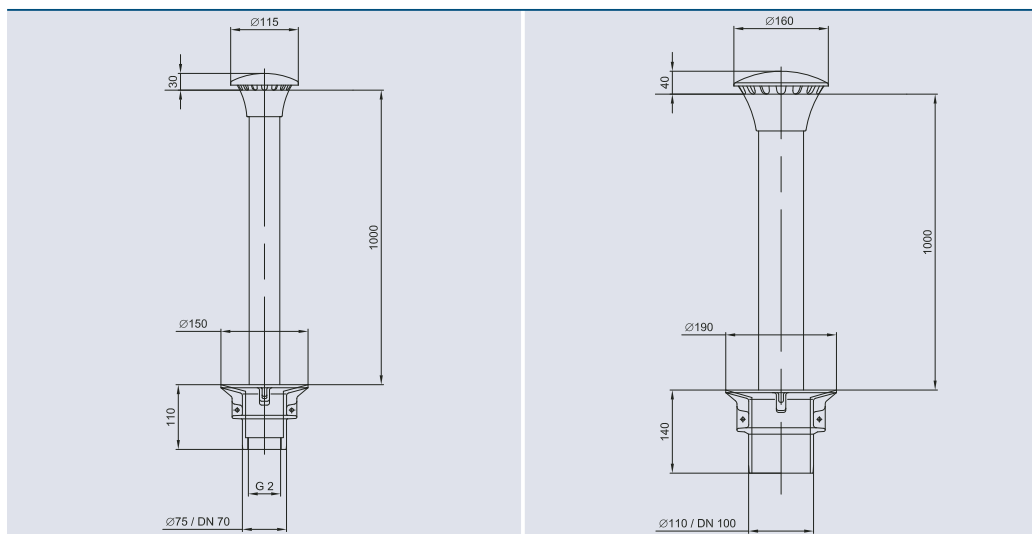
The optimal combination of overflow and drain: An overflow pipe inserted in the drain discharges excess water from filled pools. It is simply pulled out to empty the pool.

The overflow pipe with overflow crown has a standard length of 1000 mm, however it can be shortened to adapt to a lower water level. A debris/winter sieve can also be ordered for protection against coarse debris (see page 232).

### Product characteristics at a glance

- Optimal combination of overflow and drain
- Easy installation
- For water levels from 0 to 1000 mm
- Stainless steel standpipe
- Cast parts are made of corrosion-resistant tombac alloy





<h1>3</h1>		
	<b>Overflow/drain armature 70 / 1000 T</b>	<b>Overflow/drain armature 100 / 1000 T</b>
Dimensions (ø x H) [mm]	115 x 1054	160 x 1108
Designation	overflow / drain armature	overflow / drain armature
DN	70	100
Material	Tombac / stainless steel	Tombac / stainless steel
Weight [kg]	3.2	7.2
<b>Order no.</b>	<b>57469</b>	<b>57463</b>

<h1>2</h1> (optional)		
	<b>Liner clamping flange 70 T</b>	<b>Liner clamping flange 100 T</b>
Dimensions (ø x H) [mm]	148 x 14	188 x 16
Designation	liner clamping flange	liner clamping flange
DN	70	100
Material	Tombac	Tombac
Weight [kg]	0.9	1.1
<b>Order no.</b>	<b>51108</b>	<b>51117</b>

<h1>1</h1>		
	<b>Concrete part 70 T</b>	<b>Concrete part 100 T</b>
Dimensions (ø x H) [mm]	70 x 110	100 x 141
Designation	concrete part	concrete part
DN [mm] / [inch]	70 / 2"	100
Material	Tombac	Tombac
Weight [kg]	2.1	3.2
<b>Order no.</b>	<b>57471</b>	<b>57467</b>



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Return armature													

## RETURN ARMATURE

Return armatures channel the water from the pool back to the water reservoir and thus closing the water circuit. Size and quantity are calculated on the basis of the water volume flowing through the circuit.

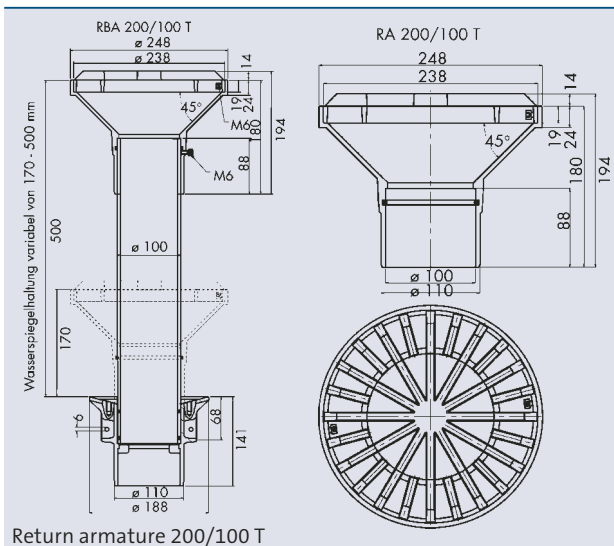
For safety reasons at least two return armatures must be provided. A maximum return speed of 0.6 m/s should serve as the basis for calculating the nominal return diameter.

The standpipe 100/500 T can be shortened for adaption to the water level. For a constant water level the armatures can be pushed onto the slightly chamfered pipes. Otherwise the return armature 200/100 T is simply inserted in the muffs of the drain pipes and embedded in concrete.

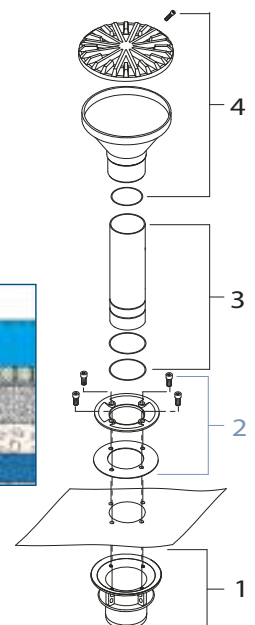
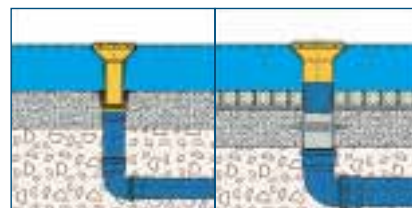
The floor part has a concrete sealing flange and can easily be inserted in the muffs of the drain pipe and embedded in concrete. Appropriate bores are available for connection to the equipotential bonding. Appropriate liner clamping flanges with seal and bolts are available for flanging and sealing to liner. They are suitable for normal pool liner, with or without textile reinforcement, and a maximum thickness of 2.5 mm, however they are not suitable for waterproofing membranes in accordance with DIN 18195.

### Product characteristics at a glance

- Large and effective debris sieves
- Cast parts are made of corrosion-resistant tombac alloy
- Easy installation
- Versatile implementation



Return armature 200/100 T






<h1>4</h1>	
<b>Return armature 200 / 100 T</b>	
Dimensions (ø x H) [mm]	248 x 194
Designation	return armature
DN	100
Material	Tombac
Weight [kg]	8.5
<b>Order no.</b>	<b>51123</b>

<h1>3</h1>	
<b>Standpipe 100/500 T</b>	
Dimensions (ø x H) [mm]	110 x 170-500 (variable)
Designation	standpipe
DN	100
Material	Stainless steel 1.4301 (AISI 304)
Weight [kg]	4.5
<b>Order no.</b>	<b>57466</b>

<h1>2</h1> (optional)	
<b>Liner clamping flange 100 T</b>	
Dimensions (ø x H) [mm]	188 x 16
Designation	liner clamping flange
DN	100
Material	Tombac
Weight [kg]	1.1
<b>Order no.</b>	<b>51117</b>

<h1>1</h1>	
<b>Concrete part 100 T</b>	
Dimensions (ø x H) [mm]	100 x 141
Designation	concrete part
DN	100
Material	Tombac
Weight [kg]	3.2
<b>Order no.</b>	<b>57467</b>



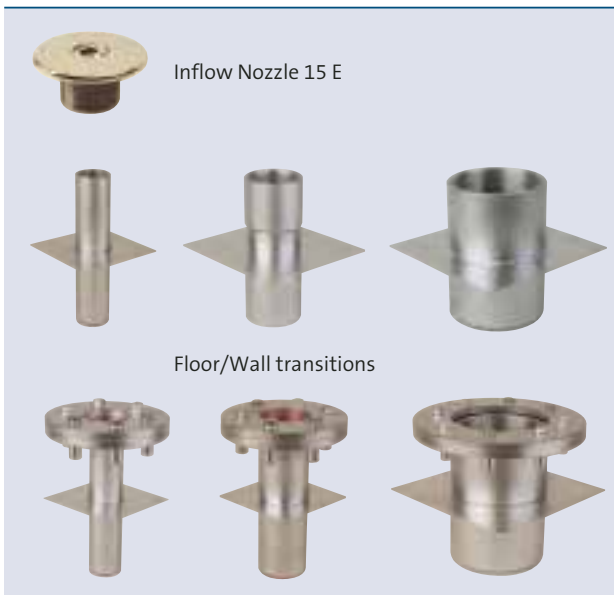
	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Floor/wall transition													
Inflow nozzle 15 E													

## INFLOW NOZZLE 15 E

For undisturbed satisfaction in clean fountain pools and ponds.

Filtered water is fed back into the pool through stainless steel and bronze inflow nozzles. Direction of flow can be changed by adjusting the nozzle.

Fresh water inlet armatures are used to fill the pool and for top-up feed of evaporated water from the public drinking water network. The water-level can be adjusted from 100 to 1000 mm.



## FLOOR/WALL TRANSITIONS

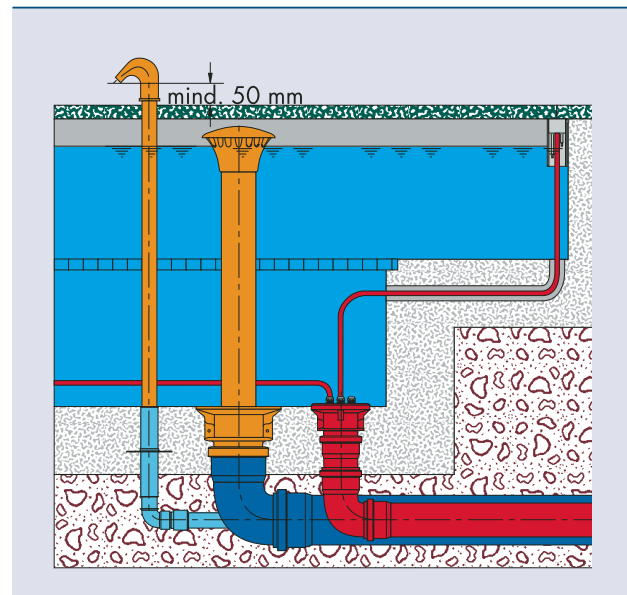
Trouble-free pipe routing through pool walls or pool floors is indispensable.

OASE floor/wall transitions are made of high-grade stainless steel and have a large-surface concrete-tight flange with grounding possibility.

Models with liner clamping flange are available for pools with liner.

### Product characteristics at a glance

- Versatile implementation
- Easy to install
- Extremely corrosion resistant



<b>Inflow nozzle</b>	<b>Inflow nozzle 15 E</b>
<b>Inflow nozzle</b>	<b>Inflow nozzle 15 E</b>
Dimensions (LxWxH) [mm]	Ø 101 x 31
Thread	1 ½"
Material	Stainless steel
Weight [kg]	0.3
Order no.	53086

Floor/Wall transition	Floor/Wall transition 10-175 E	Floor/Wall transition 15-175 E	Floor/Wall transition 20-175 E	Floor/Wall transition 40-175 E
<b>Floor/Wall transition</b>	<b>Floor/Wall transition 10-175 E</b>	<b>Floor/Wall transition 15-175 E</b>	<b>Floor/Wall transition 20-175 E</b>	<b>Floor/Wall transition 40-175 E</b>
Dimensions (LxWxH) [mm]	100 x 100 x 175	100 x 100 x 175	150 x 150 x 175	200 x 200 x 175
Thread	1"	1 ½"	2"	4"
Material	Stainless steel 1.4571 (AISI 316Ti)			
Weight [kg]	0.6	1.1	2.0	3.6
Order no.	51141	51142	51143	52790

Floor/Wall transition	Floor/Wall transition/F 10-175 E	Floor/Wall transition/F 15-175 E	Floor/Wall transition/F 20-175 E	Floor/Wall transition/F 40-175 E
<b>Floor/Wall transition</b>	<b>Floor/Wall transition/F 10-175 E</b>	<b>Floor/Wall transition/F 15-175 E</b>	<b>Floor/Wall transition/F 20-175 E</b>	<b>Floor/Wall transition/F 40-175 E</b>
Dimensions (LxWxH) [mm]	100 x 100 x 191	100 x 100 x 191	150 x 150 x 191	200 x 200 x 191
Thread	1"	1 ½"	2"	4"
Material	Stainless steel 1.4571 (AISI 316Ti)			
Weight [kg]	3.0	3.4	4.7	8.3
Order no.	51145	51146	51147	53013





	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Overflow/return box 100 E													

## OVERFLOW/RETURN BOX 100 E

These armature can be used to discharge excess pool water.

Overflow/return armature is installed in the vertical pool wall. Number of armatures used are based on the volume of water that will be returned. However at least two return armatures

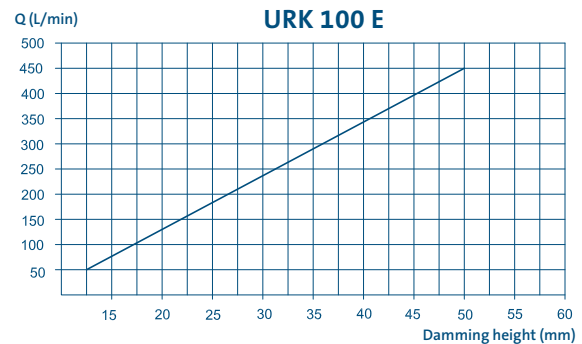
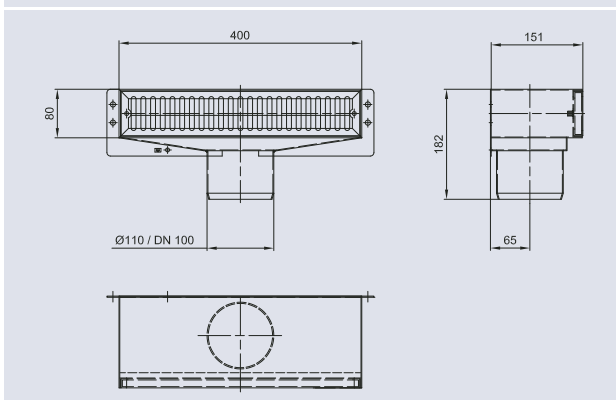
should be used for safety reasons. A maximum return speed of 0.6 m/s should serve as the basis for calculating the nominal return pipe diameter. The connection ducts easily fit in all muffs of the drain pipes.

### Product characteristics at a glance

- For installation in vertical pool walls
- Large and effective debris sieves
- Connection suitable for the muffs of the drain pipe
- Manufactured completely of stainless steel



Overflow/return box 100 E



Overflow/return box 100 E	
Dimensions (L x W x H) [mm]	450 x 150 x 180
For pools with liner	no
Connection [DN]	100
Material	Stainless steel 1.4301 / 1.4571 (AISI 304/316Ti)
Weight [kg]	6.0
Order no.	52602



	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Overflow wall-installation													

## OVERFLOW WALL-INSTALLATION COMBINATION ARMATURE

This is a three-in-one armature: It is an inlet armature, overflow armature, and at the same time it controls the water level – if equipped with an additional water level sensor.

The combination armature is preferably installed in the side pool wall below the pool edge cover. Installation is simple, the overflow duct fits into

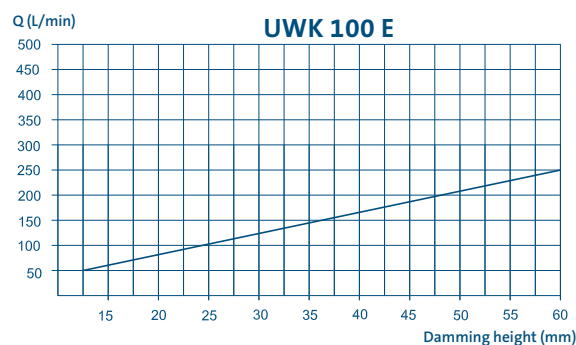
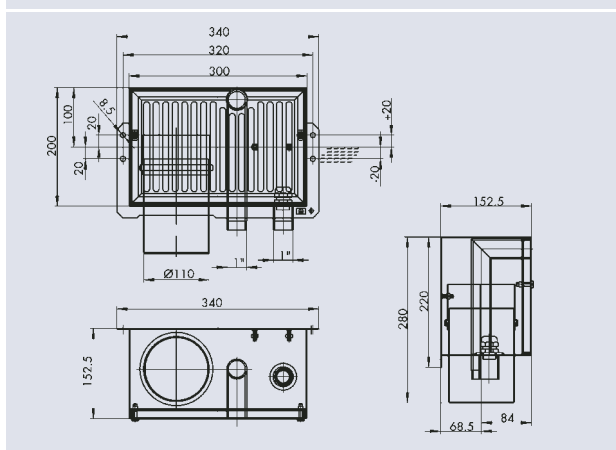
the muff of the channel pipe. The fresh water feed pipe and the connection of the cable protection pipe for the water level sensor are connected to the appropriate threaded nipple via PE pipe unions. The overflow funnel can be pushed up or pushed down 20 mm to adjust to the water level.

### Product characteristics at a glance

- Elegant combination of freshwater inlet and pool overflow
- Installation possibility for water-level sensor
- Water level can be corrected +/- 20 mm retroactively
- Completely made of stainless steel

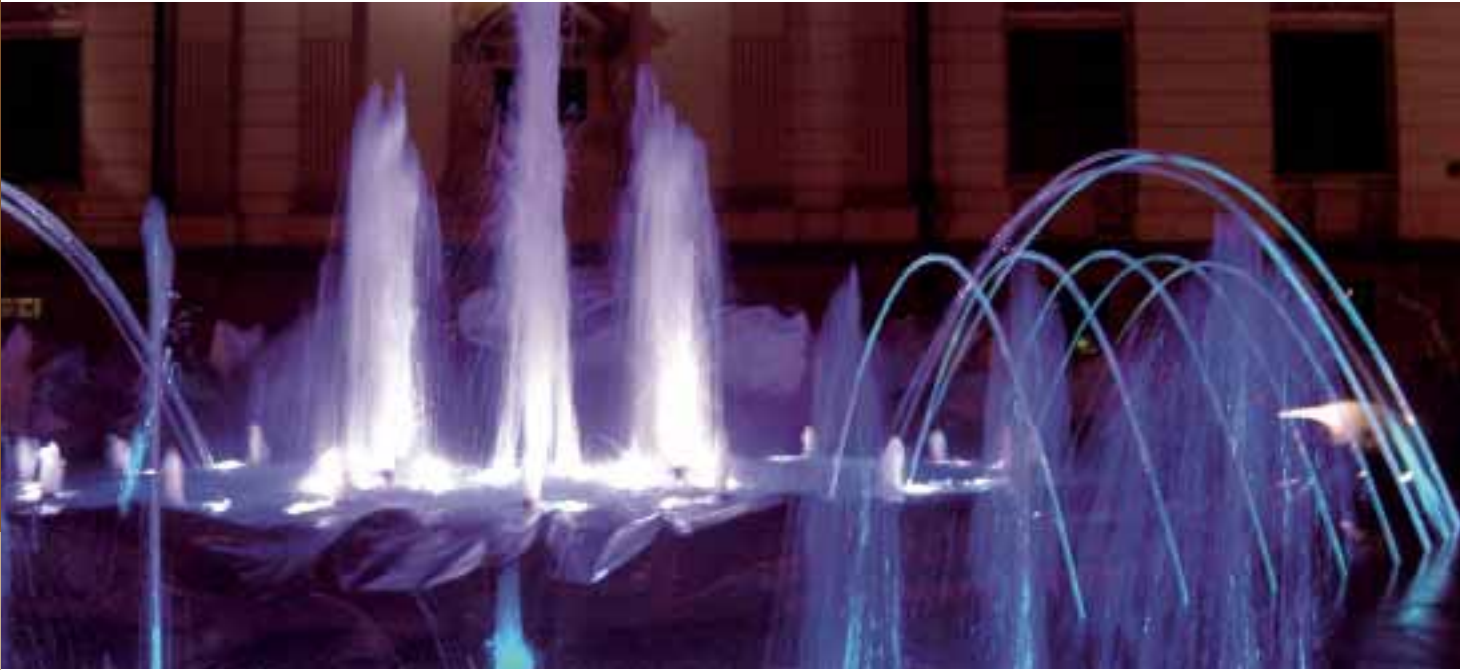


Overflow wall-installation combination armature



Overflow wall-installation combination armature 100 E		
Dimensions (L x W x H)	[mm]	340 x 271 x 153
For pools with liner		no
Connection	[DN/inch]	100/1
Material		Stainless steel 1.4571 (AISI 316Ti)
Weight	[kg]	6.1
Order no.		51120





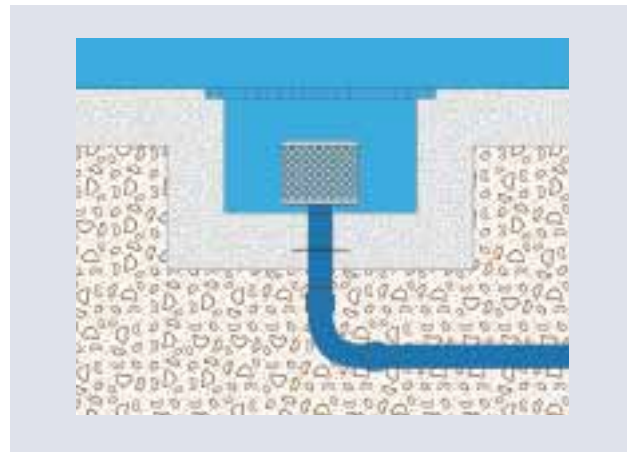
	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray
Suction filter baskets													

## SUCTION FILTER BASKETS 200/15 E TO 600/530/250 E

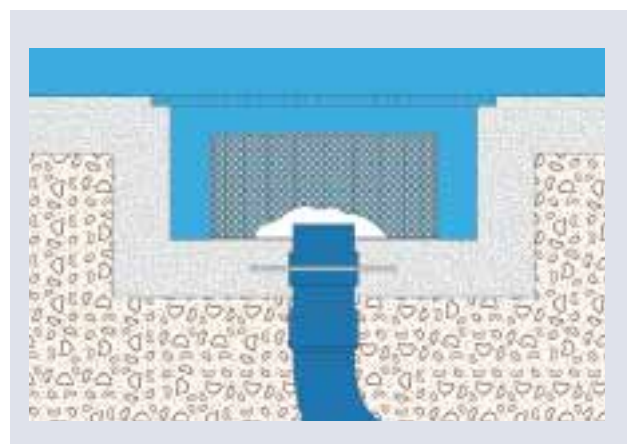
Suction filter baskets are mounted on the inlets of the suction lines to protect the pump/nozzle water circuit from coarse debris.

### Product characteristics at a glance

- Protects pump and nozzle from coarse debris
- Large filter surface
- Easy installation
- Solid and robust construction
- Corrosion resistant



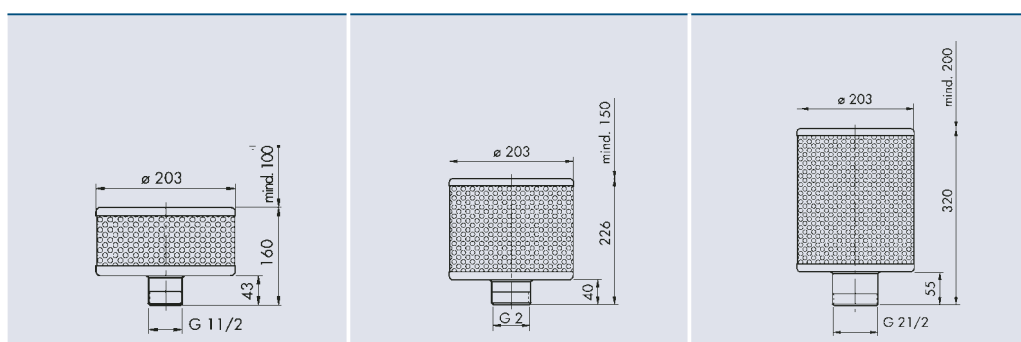
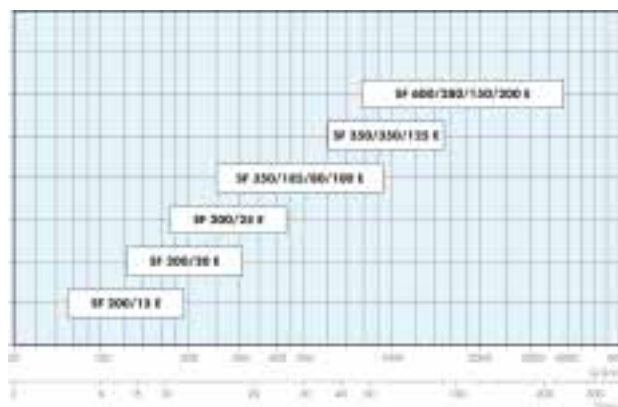
Suction filter baskets



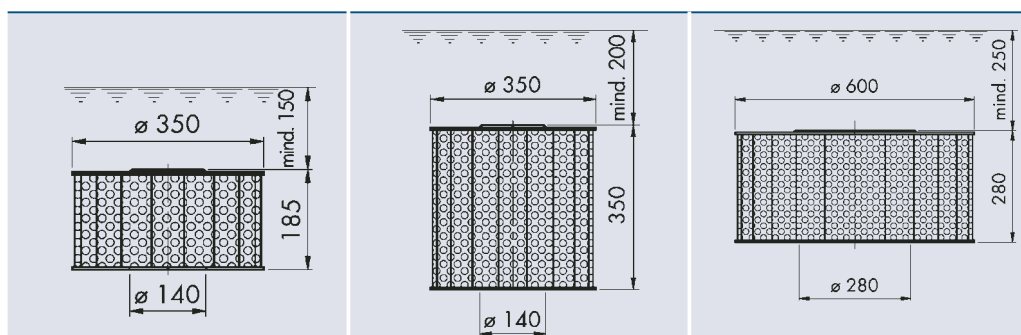


The baskets are available in different sizes and have extra large filter surfaces that ensure a sufficiently long cleaning interval. In this regard the perforated filter plates for the medium-sized and large filter baskets have been folded multiple times in a star pattern. The stainless steel perforated plate has 4 mm holes.

The small suction filter baskets are screwed directly onto the pool floor channels. The medium and large baskets are simply placed over the suction line pipe that projects approximately 50 mm above the pool floor and permanently anchored.

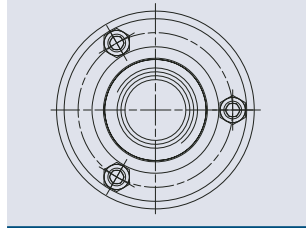
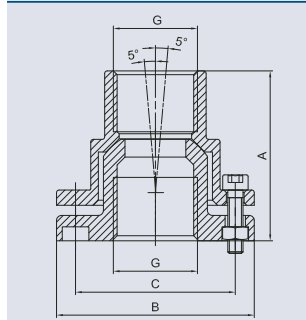


	Suction filter basket 200/100/15 E	Suction filter basket 200/166/20 E	Suction filter basket 200/250/25 E
Dimensions [ØxH mm]	203 x 160	203 x 226	203 x 320
DN [inch/mm]	1 ½"	2"	2 ½"
Filter surface [m²]	0.08	0.12	0.18
Particle strainer Ø [mm]	4.0	4.0	4.0
Material	Stainless steel	Stainless steel	Stainless steel
Weight [kg]	1.1	1.5	1.8
Order no.	51082	51083	51084



	Suction filter basket 350/185/80/100 E	Suction filter basket 350/350/125 E	Suction filter basket 600/280/150/200 E
Dimensions [ØxH mm]	350 x 185	350 x 350	600 x 280
DN [inch/mm]	80/100	125	150/200
Filter surface [m²]	0.44	0.88	1.5
Particle strainer Ø [mm]	4.0	4.0	4.0
Material	Stainless steel	Stainless steel	Stainless steel
Weight [kg]	9.5	11.5	43.1
Order no.	51753	54755	51756

## SWIVEL CONNECTION

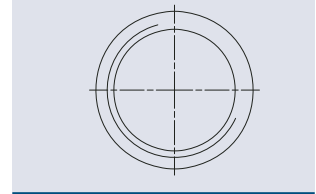
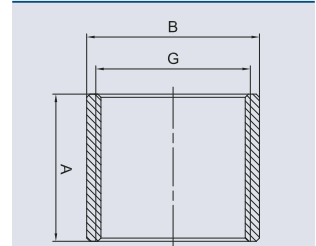
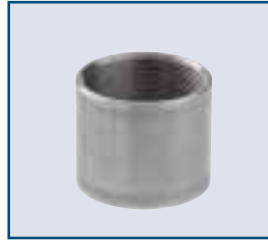


### Product characteristics at a glance

- Adjustment for nozzles
- Silver optic
- Durable chrome and nickel plated brass

Swivel Connection silver		10	15	20
G	[inch]	1	1 ½	2
A	[mm]	70	75	88
B	[mm]	78	101	127
C	[mm]	63	80	104
Weight	[kg]	0.55	1.12	2.05
Order no.		51015	51016	51017

## SLEEVE SILVER



### Product characteristics at a glance

- Straight threading
- High-quality stainless steel

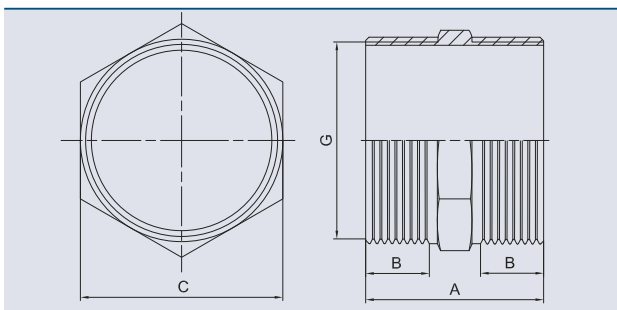
Sleeve Silver		10	15	20	30
A	[mm]	42.3	47.2	51.7	66.7
B	[mm]	38.0	53.5	66.0	95.0
G	[inch]	1	1 ½	2	3
Material		Stainless steel			
Weight	[kg]	0.09	0.16	0.25	0.63
Order no.		51018	51019	51020	51021

## HEXAGON NIPPLE SILVER



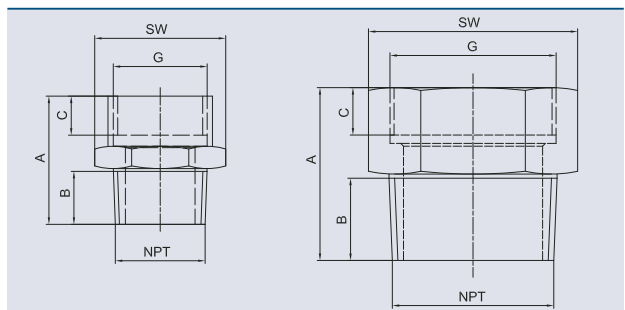
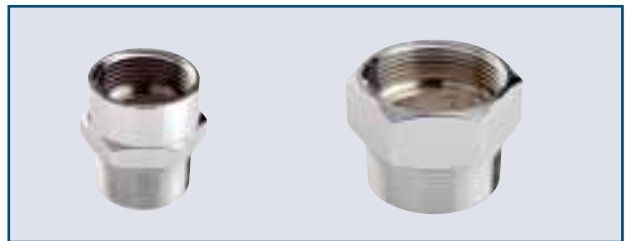
### Product characteristics at a glance

- Straight threading
- High-quality stainless steel



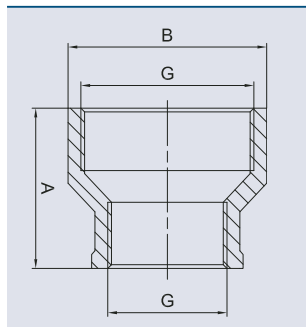
Hexagon Nipple Silver		10	15	20	30
G	[inch]	1	1 ½	2	3
A	[mm]	49	51.5	54.5	68
B	[mm]	20.4	20.7	22	27.5
C	[mm]	35	50	62	91
Material		Stainless steel			
Weight	[kg]	0.065	0.20	0.40	0.51
Order no.		51022	51023	51024	51025

## ADAPTER G/NPT



Adapter		G10/NPT10	G15/NPT15	G20/NPT20	G30/NPT30
A	[mm]	43.2	46	62	78
B	[mm]	21	21	29	37
C	[mm]	14	14	17	20
SW	[mm]	36	50	60	90
G	[inch]	1	1 ½	2	3
Weight	[kg]	0.145	0.55	1.12	2.05
Order no.		51026	51027	51028	51029

## REDUCING SLEEVE

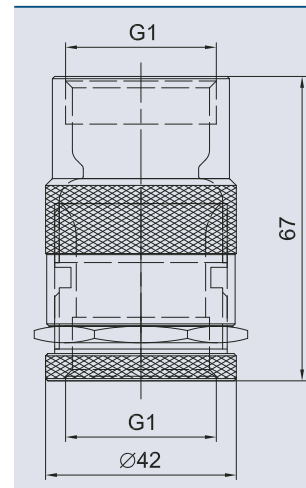
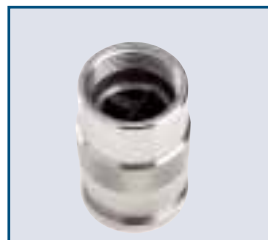


### Product characteristics at a glance

- High-quality stainless steel
- Straight threading

Reducing Sleeve		15 x 10	20 x 15
A	[mm]	50	59
B	[mm]	57	70
G	[inch]	1 ½ - 1	2 - 1 ½
Weight	[kg]	0.175	0.225
Order no.		51032	51030

## FLOW VALVE 10

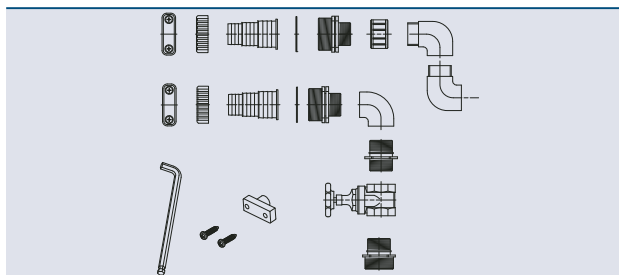


### Product characteristics at a glance

- Flow regulator
- Use below nozzle
- High-quality stainless steel
- Straight threading

Flow Valve 10		
Dimensions	[mm]	Ø 42 x 67
Material		Stainless steel
Weight	[kg]	0.3
Order no.		51033

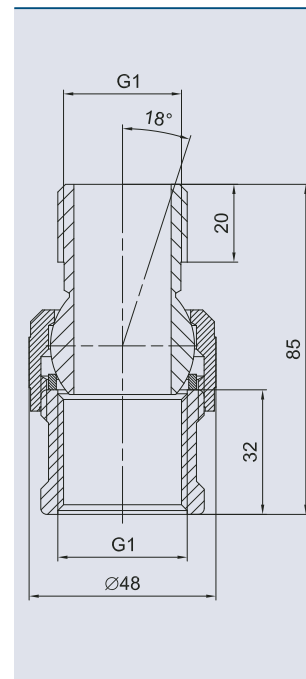
## JUMPING JET RAINBOW STAR INSTALLATION KIT



### Scope of delivery

Jumping Jet Rainbow Star Installation Kit		
2	Flat gasket hose tail 1 ½"	
2	Coupling nut 1 ½" 40–20	
2	Stepped hose tail 1 ½" black	
1	Bush plastic 1"	
1	Bracket 90° G1 I-I plastic	
1	"Hexagonal Nipple R1"	
2	Red. Nippel 1 ½" AG to 1" AG	
1	MS. shut off gate valve 1" 290	
2	Screws V2A DIN 7981, 4,8 x 25	
1	Gland seal Rainbow Star	
1	Hexagon screwdriver 5mm	
1	Flat gasket 53 x 48 x 1.5 mm NBR/SBR 70Sh	
2	Elbow 90° G1 I-A plastic	
2	Hose clamp 20 – 32 mm	
2	Hose clamp 35 – 50 mm 1.4301	
1	Coupling nut 1 ½" 40–20	
1	1 Bush plastic 1"	
Weight	[kg]	0.84
Order no.		51058

## SWIVEL BALL JOINT 10



### Product characteristics at a glance

- Adjustment for nozzles
- Straight threading
- Durable chrome and nickel plated brass

Swivel ball joint 10		
Dimensions	[mm]	Ø 48 x 85
Material		Nickel plated brass
Weight	[kg]	0.37
Order no.		51165



# EXPLANATORY NOTES



Patent applied for



Patented



Certificate



Certificate



Certificate



Certificate

## Definition of product performance



= not applicable



= applicable

Fresh Water	Pool Water	Sea Water

## Water quality

Types	Fresh Water	Pool Water	Sea Water
pH-Wert pH value Valeur pH Valor pH	7.2 - 7.6	7.2 - 7.6	8.0
Härte Hardness Dureté Cloro libre	8 - 15 DH	8 - 15 DH	20 - 30 DH
Freies Chlor Free chlorine Chlore libre Durezza	< 0.3 mg/l	0.3 - 0.6 mg/l	< 0.3 mg/l
Chloridgehalt Chloride concentration Teneur en chlorure Contenido de cloruro	< 250 mg/l	< 200 mg/l	22000 mg/l
Salzgehalt Salinity Teneur en sel Contenido de sal	—	—	< 4.0 %
Gesamt trockenrückstand total dry residue Résidu sec total Residuo seco total	< 50 mg/l	< 50 mg/l	< 250 mg/l
Temperatur Temperature Température Temperatura	4° - 35° C	4° - 30° C	4° - 20° C

DMX	DMX/RDM	Plug and Spray



**DMX** is a communication protocol (Digital Multiplex). This product can use the Unidirectional DMX communication.



**DMX/RDM** The DMX-Bus now is bidirectional. This is possible because of the protocol expansion RDM (Remote Device Management). This product can use the Bidirectional DMX communication. The connecting technique stays unchanged.

**Plug and Spray** Through the special connection Technology for cables, wiring by hand is no longer necessary. Put the plug in the plug socket and fix them with the two screws to make it waterproof (IP68).

## Water quality

Types	Fresh Water	Pool Water	Sea Water
pH-Wert pH value Valeur pH Valor pH	7.2 - 7.6	7.2 - 7.6	8.0
Härte Hardness Dureté Cloro libre	8 - 15 DH	8 - 15 DH	20 - 30 DH
Freies Chlor Free chlorine Chlore libre Durezza	< 0.036 moz/gal	0.036 - 0.072 moz/gal	< 0.036 moz/gal
Chloridgehalt Chloride concentration Teneur en chlorure Contenido de cloruro	< 30.28 moz/gal	< 24.2 moz/gal	2664.6 moz/gal
Salzgehalt Salinity Teneur en sel Contenido de sal	—	—	< 4.0 %
Gesamt trockenrückstand total dry residue Résidu sec total Residuo seco total	< 6.06 moz/gal	< 6.06 moz/gal	< 30.28 moz/gal
Temperatur Temperature Température Temperatura	39° - 95° F	39° - 86° F	39° - 68° F

# FOUNTAINS & LAKES (INTERNATIONAL, ORDER-RELATED)

Order no.	Description	Packing unit
58916	BT 0.55-40-4	1
58916	BT 0.75-40-4	1
58916	BT 1.1-40-4	1
58916	BT 1.1-50-4	1
58916	BT 1.5-65-4	1
58916	BT 15.0-100-4	1
58916	BT 18.5-100-4	1
58916	BT 18.5-125-4	1
58916	BT 2.2-80-4	1
58916	BT 22.0-125-4	1
58916	BT 3.0-40-4	1
58916	BT 3.0-50-4	1
58916	BT 5.5-100-4	1
58916	BT 5.5-50-4	1
58916	BT 7.5-80-4	1
56780	Comet 10 - 12 T long	5
50218	Comet 10 - 14 T long	5
50957	Comet 3 - 3 T	20
50958	Comet 3 - 4 T	20
51006	Fountain ring 1000/36/4	1

Order no.	Description	Packing unit
51008	Fountain ring 1500/54/4	1
51010	Fountain ring 2000/72/4	1
51002	Fountain ring 500/18/4	1
51004	Fountain Ring 750/24/4	1
50972	Hollow Jet Nozzle HS 70/3.5 E	1
57485	JunctionBox 4/M 32	2
50892	Lava 100-15 E	3
57427	LunAqua 5.1	1
53853	SPA 100-23, 3 x 400V / 50Hz, YD, 7,5kW	1
53836	SPA 22-43, 3 x 400V / 50Hz, 2,2kW	1
53840	SPA 35-33, 3 x 400V / 50Hz, 3,0kW	1
53847	SPA 58-43, 3 x 400V / 50Hz, YD, 7,5kW	1
56502	USP H 422 W, 1 x 230V / 50Hz, 0,92kW	2
56503	USP H 423 D, 3 x 400V / 50Hz, 0,98kW	2
56504	USP H 522 W, 1 x 230V / 50Hz, 1,27kW	2
56505	USP H 523 D, 3 x 400V / 50Hz, 1,28kW	2
57288	UWS K 300	10
52904	UWS T 111	1
51984	Reflector bulb PAR56, 12V, 300W, 36-18°	10
50999	Vulkan 200/19-6 T	2

## ABBREVIATIONS

A. . . . .	Area	MA. . . . .	Material
AF. . . . .	Filter area	MBD. . . . .	Minimum pool diameter
ASW. . . . .	Beam angle	n. . . . .	Speed
b, b1, b2, b3. . . . .	Width	O. . . . .	Surface
d, d1, d2, d3. . . . .	Diameter	p. . . . .	pressure
Da. . . . .	Diameter external	P. . . . .	Power
DAS. . . . .	Nozzle delivery jet diameter	PH. . . . .	Parabola height
DD. . . . .	Diameter pressure connection	PH%. . . . .	Parabola height in percent
DDB. . . . .	Nozzle pressure requirement	PN. . . . .	Nominal pressure
DDG. . . . .	Nozzle diameter (greatest)	PW. . . . .	Parabola width
Di. . . . .	Diameter interior	Q. . . . .	Flow, volume flow
DID. . . . .	Nozzle injector diameter	r. . . . .	Radius
DN. . . . .	Nominal diameter	R. . . . .	Electrical resistance
DNa. . . . .	Nominal diameter output	RRW. . . . .	Pipe frictional resistance
DNe. . . . .	Nominal diameter input	SB. . . . .	Slot width
DS. . . . .	Diameter suction connection	SL. . . . .	Slot length
DAW. . . . .	Nozzle adjustment angle	SPB. . . . .	Spray width
DSD. . . . .	Nozzle spray diameter	s. . . . .	Thickness
DWB. . . . .	Nozzle water requirement	t. . . . .	Time, time-frame, duration
E. . . . .	Luminous intensity	U. . . . .	Voltage
FH. . . . .	Fountain height	v. . . . .	Flow velocity
FL. . . . .	Flange	V=. . . . .	Direct current
G. . . . .	Thread	w. . . . .	Distance to water level
GW. . . . .	Weight	x, x1, x2, x3. . . . .	Distance general
h, h1, h2, h3. . . . .	Height	z. . . . .	Quantity general
H. . . . .	Pump delivery head	za. . . . .	Number of outlets
I. . . . .	Current strength	zd. . . . .	Number of nozzles
I. . . . .	Light intensity	ze. . . . .	Number of inlets
l, l1, l2, l3. . . . .	Length	zl. . . . .	Number of holes
KD. . . . .	Calyx diameter	zp. . . . .	Number of pumps
KH. . . . .	Calyx height	zs. . . . .	Number of spotlights
LW. . . . .	Clear opening		

# CONVERSION TABLES

Liter			
1,0	l (Liter)	= 0,2642	US Gal (gallon)
1,0	US Gal (gallon)	= 3,7851	l (Liter)
1,0	l (Liter)	= 0,2200	UK Gal
1,0	UK Gal	= 4,5460	l (Liter)
Liter pro minute			
1,0	l (Liter)/ min	= 15,8520	US Gph (gallons per hour)
1,0	US Gph (gallon per hour)	= 0,0631	l (Liter)/ min
1,0	l (Liter) / min	= 13,2000	UK Gph (gallons per hour)
1,0	UK Gph (gallon per hour)	= 0,0758	l (Liter) / min
Meter/Kilometer			
1,0	m (Meter)	= 3,2810	ft (feet)
1,0	ft (foot)	= 0,3048	m (Meter)
1,0	m (Meter)	= 39,3700	In. (Inch)
1,0	In. (Inch)	= 0,0254	m (Meter)
1,0	m (Meter)	= 1,0936	yd (Yard)
1,0	yd (Yard)	= 0,9144	m (Meter)
1,0	km (Kilometer)	= 0,5310	nmi (Nautic Miles (Int))
1,0	nmi (Nautic Mile (Int))	= 1,8520	km (Kilometer)
Quadratmeter			
1,0	m <sup>2</sup> (Quadratmeter)	= 10,7527	sq.ft (square feet)
1,0	sq.ft (square foot)	= 0,0930	m <sup>2</sup> (Quadratmeter)
1,0	ha = 10000 m <sup>2</sup>	= 2,4691	acres
1,0	acre	= 0,4050	ha (Hektar)
Kilogramm			
1,0	kg (Kilogramm)	= 2,2046	lb. (pound) avdp
1,0	avdo. lb.	= 0,4536	kg (Kilogramm)
Kilowatt			
1,0	kW (Kilowatt)	= 1,3410	hp (horsepower)
1,0	hp (horsepower)	= 0,7457	kW (Kilowatt)
Grad			
0,0	°C (Grad Celsius)	= 32	°F (Grad Fahrenheit)
20,0	°C (Grad Celsius)	= 68	°F (Grad Fahrenheit)
0,0	°F (Grad Fahrenheit)	= -17,8	°C (Grad Celsius)
50,0	°F (Grad Fahrenheit)	= 10,0	°C (Grad Celsius)
<b>A</b>	<b>To compute Fahrenheit:</b>	Multiply Centigrade by 1,8 and add 32	
<b>B</b>	<b>To compute Centigrade:</b>	Subtract 32 from Fahrenheit and divide by 1,8	



# ALPHABETICAL PRODUCT OVERVIEW

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50549	AquaActiv AlGo Direct 5 l	226
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50558	AquaActiv OptiPond 5 l	226
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50555	AquaActiv PondClear 5 l	226
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56410	Bitron Eco 240 W	200
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45306	BT 1.5-50-4 IE3	110
45313	BT 11.0-100-4 IE3	110
45314	BT 15.0-125-4 IE3	110
45305	BT 2.2-40-4 IE3	110
45309	BT 3.0-80-4 IE3	110
45307	BT 4.0-50-4 IE3	110
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58907	Crown Nozzle	61
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51974	Debris sieve 100 E	232
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50719	ProfiPlane LED 320 /DMX/02	128
50718	ProfiRing LED 320 /DMX/02	130
57134	ProfiSkim 100	224
51185	ProfiSkim Premium	224
51032	Reducing sleeve 15 x 10	245
51030	Reducing sleeve 20 x 15	245
42894	Repl. set foam red / purple BioTec 60/140	205
56636	Replacement bulb UVC 55 W	203
42896	Replacement set foam blue BioTec 60/140	205
51123	Return armature 200/100 T	236
50967	Rotating nozzle 5 - 15 E	62
50473	Rotating nozzle 5 - 30 E	62
50431	Sand filter D 600	216
50432	Sand filter D 800	216
50984	Schaumsprudler 35 - 10 E	64
50986	Schaumsprudler 55 - 10 E	64
50987	Schaumsprudler 55 - 15 E	64
50768	Schaumsprudler 75 - 20 silver	64
57480	Skimmer 250	225
57488	Skimmer 250	225
51018	Sleeve 10 silver	244
51019	Sleeve 15 silver	244
51020	Sleeve 20 silver	244
51021	Sleeve 30 silver	244
51557	Solenoid valve 1", 24 V	184
51556	Solenoid valve ½", 24 V	184
51034	Sonde Ph	220
51035	Sonde Redox	220
53852	SPA 100-13	112
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53858	SPA 162-1-13	112
53859	SPA 162-13	112
53860	SPA 162-2-23	112
53834	SPA 22-23	112
53835	SPA 22-33	112
53864	SPA 280-1-13	112
53865	SPA 280-13	112
53866	SPA 280-2-23	112
53839	SPA 35-23	112
53841	SPA 35-43	112
53845	SPA 58-23	112
53846	SPA 58-33	112
52981	Spiral hose green 1½", 25 m	205
36500	Spiral hose green 2", 20 m	205
57466	Standpipe 100 /500 T	236
50272	StrataFlo II 2 HP 230 V / 1 P / 60 Hz	198
50274	StrataFlo II 5 HP 230 V / 3 P / 60 Hz	198
51082	Suction filter basket 200/100/15 E	242
51083	Suction filter basket 200/166/20 E	242
51084	Suction filter basket 200/250/25 E	242

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51753	Suction filter basket 350/185/80/100E	242
54755	Suction filter basket 350/350/125 E	242
51756	Suction filter basket 600/280/150/200E	242
55843	Supplemental electrode 2000-1	186
51341	Switchgear EL 100 W	172
51342	Switchgear EL 101 W	172
51343	Switchgear EL 110 W	172
51344	Switchgear EL 111 W	172
50342	Swivel 24V /DMX/02	28
51165	Swivel ball joint 10	245
51015	Swivel connection 10 silver	244
51016	Swivel connection 15 silver	244
51017	Swivel connection 20 silver	244
50378	Trumpet Jet 30	58
51334	Underwater cable connector T 3	156
50720	Underwater LED Driver /DMX/02	166
40289	Underwater power supply 250 / 24 V /01	170
50733	Underwater power supply 250 / 24 V /01	170
56411	Underwater Switch 24V /DMX/02	168
50401	Underwater transformer UST 150 /01	190
50517	Underwater transformer UST 150 /A/01	190
55721	USP 412 W	108
55720	USP 413 D	108
55727	USP 512 W	108
55726	USP 513 D	108
55732	USP 662 W	108
55731	USP 663 D	108
55735	USP 813 D	108
56506	USP H 673 D	108
52909	UWS TS 111	148
51446	UWS TN 508	146
58906	VarioJet	34
50309	Varionaut 1 /A/DMX/01	92
50343	Varionaut 150 /DMX/02	96
57690	Varionaut 150 /DMX/02	96

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50665	Varionaut 150 24 V /DMX/02	94
40758	Varionaut 270 /DMX/02	98
50526	Varionaut 365 /DMX/02	100
56115	Varionaut 365 /DMX/02	100
50136	Varionaut 90 24 V /DMX/02	92
57472	VarioSwitch 010a / 24 V	22
57435	VarioSwitch 015a / 24 V	22
50977	Vulcan 300 / 19 - 8 silver	59
50766	Vulcan 43 - 3 silver	59
54921	Wall Skimmer	218
50898	Water hemisphere 1200	52
50899	Water hemisphere 1500	52
51762	Water hemisphere 2500	52
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51764	Water hemisphere 6000	52
50897	Water hemisphere 900	52
55845	Water level sensor 2000-3/5	186
51559	Water level sensor 20-3	186
53918	Water level sensor 20-4	186
58970	Water Screen Nozzle	56
50895	Water sphere 1200	52
50896	Water sphere 1500	52
51759	Water sphere 2500	52
51760	Water sphere 3500	52
51761	Water sphere 6000	52
50894	Water sphere 900	52
56492	WECS II 1024 /DMX/02	174
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43525	WECS II 512 / 1024 web server-extension	177
56491	WECS II 512 /DMX/02	174
58976	WECS II Software	183
43872	WECS LTE-Router	191
51838	Wind-dependent fountain control 3 K	188

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11720	Connection cable 24 V DC / 15.0 m /01	160
11740	Connection cable 12 V AC / 15.0 m /01	160
12007	End resistant for BUS-system DMX/01	162
12368	Connection cable DMX / 1.0 m /01	162
12369	Connection cable DMX / 3.0 m /01	162
12371	Connection cable DMX / 5.0 m /01	162
12372	Connection cable DMX / 10.0 m /01	162
12373	Connection cable DMX / 20.0 m /01	162
12374	Connection cable 12 V AC / 3.0 m /01	160
12375	Connection cable 12 V AC / 7.5 m /01	160
12552	Connection cable 24 V DC / 3.0 m /01	160
12553	Connection cable 24 V DC / 7.5 m /01	160
12762	Connection cable 24 V DC / 1.0 m /01	160
12768	Connection cable 12 V AC / 1.0 m /01	160
36500	Spiral hose green 2", 20 m	205
40234	AquaActiv AIGo Fountain 5 l	220
40289	Underwater power supply 250 / 24 V /01	170
40758	Varionaut 270/DMX/02	98
42637	LED-floating fountain illumination white	86
42894	Repl. set foam red/purple BioTec 60 /140	205
42896	Replacement set foam blue BioTec 60 /140	205
42913	ProfiClear pump chamber Compact / Classic	208
43524	Power supply 85/265V AC/24V DC 48W/2 A	191
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43872	WECS LTE-Router	191
45305	BT 2.2-40-4 IE3	110
45306	BT 1.5-50-4 IE3	110
45307	BT 4.0-50-4 IE3	110
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45309	BT 3.0-80-4 IE3	110

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45311	BT 5.5-80-4 IE3	110
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45313	BT 11.0-100-4 IE3	110
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45454	Comet 10-12 silver	42
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50136	Varionaut 90 24 V /DMX/02	92
50183	AirFlo 1.5 kW / 230 V	198
50185	AirFlo 4.0 kW / 400 V	198
50272	StrataFlo II 2 HP 230 V / 1 P / 60 Hz	198
50274	StrataFlo II 5 HP 230 V / 3 P / 60 Hz	198
50296	ProfiMax 7000	106
50309	Varionaut 1 /A/ DMX/01	92
50342	Swivel 24V /DMX/02	28
50343	Varionaut 150 /DMX/02	96
50345	JumpingJet Rainbow Star /DMX/01	18
50358	JunctionBox 14 / M 20	156
50365	MIDI II 1.1 kW / 230 V	82
50366	LunAqua 10 LED /01	140
50367	ProfiLux LED 370 12 V /01	140
50371	MAXI II 4.0 kW / 400 V	82
50372	MIDI II 2 HP / 1 P / 230 V	82
50374	MAXI II 5 HP / 3 P / 230 V	82
50375	High Jet 30	50
50376	Grand Vulcan 30	58
50377	Geyser Jet 30	50
50378	Trumpet Jet 30	58
50401	Underwater transformer UST 150 /01	190
50431	Sand filter D 600	216
50432	Sand filter D 800	216



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50434	Clear Fountain System	220
50473	Rotating nozzle 5 - 30 E	62
50474	ProfiLux LED 370 24 V / 01	140
50477	NozzleChamber Single	230
50478	NozzleChamber Vario	230
50479	Illumination set MIDI / MAXI / AirFlo LED / 01	86
50492	PowerBox 12 V AC / 01	160
50493	PowerBox 24 V DC / 01	160
50517	Underwater transformer UST 150 / A / 01	190
50523	Comet Prec 20 - 20 silver	46
50524	Fan Jet 10 - 20 - 6 silver	55
50526	Varionaut 365 / DMX / 02	100
50528	Jumping Jet Rainbow Flash II / DMX / 02	20
50545	AquaActiv AIGo Universal 5 l	226
50549	AquaActiv AIGo Direct 5 l	226
50555	AquaActiv PondClear 5 l	226
50558	AquaActiv OptiPond 5 l	226
50561	AquaActiv SediFree 5 l	226
50571	AquaActiv Water analysis Profi-Set	226
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50665	Varionaut 150 24 V / DMX / 02	94
50702	Multi Directional Drive II / DMX / 02	26
50717	ProfiLux LED 320 / DMX / 02	120
50718	ProfiRing LED 320 / DMX / 02	130
50719	ProfiPlane LED 320 / DMX / 02	128
50720	Underwater LED Driver / DMX / 02	166
50721	Comet 3 - 6 silver	42
50722	Comet 5 - 10 silver	42
50723	Comet 10 - 14 silver	42
50724	Comet 15 - 17 silver	42
50728	Extension cable hybrid / 3.0 m	164
50733	Underwater power supply 250 / 24 V / 01	170
50762	Comet 5 - 8 silver	42
50766	Vulcan 43 - 3 silver	59
50767	Gushing nozzle 115 - 15 silver	54
50768	Schaumsprudler 75 - 20 silver	64
50771	ProfiClear Premium Individual Module	210
50772	ProfiClear Premium Moving Bed Module	210
50773	ProfiClear Premium drum filter pump-fed	210
50786	Lamp Holder	150
50884	Lava 25 - 5 E	51
50889	Lava 30 - 10 E	51
50890	Lava 45 - 10 E	51
50891	Lava 60 - 10 E	51
50894	Water sphere 900	52
50895	Water sphere 1200	52
50896	Water sphere 1500	52
50897	Water hemisphere 900	52
50898	Water hemisphere 1200	52
50899	Water hemisphere 1500	52
50911	Cascade 50 T	68
50912	Cascade 70 T	68
50915	Cascade 90 T	68
50916	Cascade 110 T	68
50917	Cascade 130 T	68
50939	AquaActiv BioKick CWS 2 l	226
50946	Bitron Gravity 55 W	202
50947	ProfiClear Premium replacem. sieve 150 µ	210
50959	Comet 3 - 5 T	44
50960	Comet 3 - 6 T	44
50963	Hollow Jet Nozzle 130	48
50964	Comet 5 - 8 T	44
50965	Comet 5 - 10 T	44
50966	Hollow Jet Nozzle 68	48
50967	Rotating nozzle 5 - 15 E	62
50968	Comet 10 - 12 T	44
50969	Comet 10 - 14 T	44
50970	Comet 15 - 17 T	44
50971	Comet 15 - 20 T	44
50973	Hollow Jet Nozzle 100	48
50977	Vulcan 300 / 19 - 8 silver	59
50978	Freestand Light	149
50984	Schaumsprudler 35 - 10 E	64

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50987	Schaumsprudler 55 - 15 E	64
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50992	Geysler 40 T	72
50993	Geysler 60 T	72
50994	Geysler 80 T	72
50995	Geysler 100 T	72
51015	Swivel connection 10 silver	244
51016	Swivel connection 15 silver	244
51017	Swivel connection 20 silver	244
51018	Sleeve 10 silver	244
51019	Sleeve 15 silver	244
51020	Sleeve 20 silver	244
51021	Sleeve 30 silver	244
51022	Hexagon nippel 10 silver	244
51023	Hexagon nippel 15 silver	244
51024	Hexagon nippel 20 silver	244
51025	Hexagon nippel 30 silver	244
51026	Adapter G 10 / NPT 10 silver	244
51027	Adapter G 15 / NPT 15 silver	244
51028	Adapter G 20 / NPT 20 silver	244
51029	Adapter G 30 / NPT 30 silver	244
51030	Reducing sleeve 20 x 15	245
51032	Reducing sleeve 15 x 10	245
51033	Flow Valve 10	245
51034	Sonde Ph	220
51035	Sonde Redox	220
51036	Buffer solution calibration set	220
51058	Installation kit JumpingJet Rainbow Star	245
51061	ProfiClear Classic pump chamber	208
51062	OxyPool 9.9 %	220
51064	ProfiClear Classic coarse debris extrac.	208
51065	ProfiClear Classic filter foam module	208
51066	ProfiClear Classic phosphate binder mod.	208
51069	LED-Modul II / DMX / 02	151
51071	Illumination set PondJet	86
51082	Suction filter basket 200/100/15 E	242
51083	Suction filter basket 200/166/20 E	242
51084	Suction filter basket 200/250/25 E	242
51108	Liner clamping flange 70 T	232
51110	Finger Nozzle 7-15	60
51117	Liner clamping flange 100 T	232
51120	Overfl. wall-inst. comb. armature 100 E	241
51123	Return armature 200/100 T	236
51141	Floor / wall transition 10-175 E	238
51142	Floor / wall transition 15-175 E	238
51143	Floor / wall transition 20-175 E	238
51145	Floor / wall transition F 10-175 E	238
51146	Floor / wall transition F 15-175 E	238
51147	Floor / wall transition F 20-175 E	238
51165	Swivel ball joint 10	245
51185	ProfiSkim Premium	224
51225	Multi Directional Drive II 3D / DMX / 02	24
51296	ProfiLux LED 1100 / 01	134
51334	Underwater cable connector T 3	156
51341	Switchgear EL 100 W	172
51342	Switchgear EL 101 W	172
51343	Switchgear EL 110 W	172
51344	Switchgear EL 111 W	172
51394	Halogen reflector bulb 50 W, 30°, white	147
51446	UWS TN 508	146
51554	Electronic water level control 1	184
51556	Solenoid valve ½", 24 V	184
51557	Solenoid valve 1", 24 V	184
51559	Water level sensor 20-3	186
51740	Cable transition 2/15 E	154
51741	Cable transition 1/10 E	154
51753	Suction filter basket 350/185/80/100E	242
51756	Suction filter basket 600/280/150/200E	242
51759	Water sphere 2500	52
51760	Water sphere 3500	52
51761	Water sphere 6000	52
51762	Water hemisphere 2500	52
51763	Water hemisphere 3500	52

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51764	Water hemisphere 6000	52
51838	Wind-dependent fountain control 3 K	188
51973	Debris sieve 70 E	232
51974	Debris sieve 100 E	232
52004	Atlantis 350	103
52218	Mylar lace nozzle 22 MS	76
52219	Mylar lace 4 / 025	76
52220	Mylar lace weight 20 / 100 MS	76
52602	Overflow / return box 100 E	240
52790	Floor / wall transition 40-175 E	238
52909	UWS TS 111	148
52939	Halogen reflector bulb 50 W, 24°, white G53	145
52941	Halogen reflector bulb 75 W, 24°, white G53	145
52942	Halogen reflector bulb 100 W, 10°, white	148
52943	Halogen reflector bulb 100 W, 24°, white	145
52981	Spiral hose green 1½", 25 m	205
53013	Floor / wall transition F 40-175 E	238
53047	Fan Jet 15 - 8 E	55
53056	Fan Jet 10 - 6 E	55
53086	Inflow nozzle 15 E	238
53091	pH value reducer pHW 30	220
53428	Crystal quartz sand	216
53834	SPA 22-23	112
53835	SPA 22-33	112
53839	SPA 35-23	112
53841	SPA 35-43	112
53845	SPA 58-23	112
53846	SPA 58-33	112
53852	SPA 100-13	112
53854	SPA 100-33	112
53858	SPA 162-1-13	112
53859	SPA 162-13	112
53860	SPA 162-2-23	112
53864	SPA 280-1-13	112
53865	SPA 280-13	112
53866	SPA 280-2-23	112
53913	Anemometer K	188
53918	Water level sensor 20-4	186
54019	PondJet	80
54034	LunAqua 10	144
54035	Halogen bulb 35 W	145
54036	Halogen bulb 50 W	145
54037	Halogen bulb 75 W	145
54755	Suction filter basket 350 / 350 / 125 E	242
54921	Wall Skimmer	218
55350	Hollow Jet Nozzle 130	48
55351	Backwash Automatic Eurotronik	216
55720	USP 413 D	108
55721	USP 412 W	108
55726	USP 513 D	108
55727	USP 512 W	108
55731	USP 663 D	108
55732	USP 662 W	108
55735	USP 813 D	108
55843	Supplemental electrode 2000-1	186
55845	Water level sensor 2000-3/5	186
55846	Electronic water level control 2	184
56115	Varionaut 365 / DMX / 02	100
56133	Profilux 101 E	144
56267	Profilux LED 110 / DMX / 02	118
56298	Profilux LED 110 / DMX / 02	126
56331	Profilux LED 350 / 01	132
56388	Profilux LED Spot 1500 / DMX / 02	122
56391	Profilux LED Flood 1500 / DMX / 02	124
56401	Profilux LED Spot 2200 / 01	136
56402	Profilux LED Flood 2200 / 01	138
56403	Extension cable hybrid / 7.5 m	164
56404	Hybrid connection box	164
56405	Bitron Eco 180 W	200
56410	Bitron Eco 240 W	200
56411	Underwater Switch 24V / DMX / 02	168
56491	WECS II 512 / DMX / 02	174
56492	WECS II 1024 / DMX / 02	174
56506	USP H 673 D	108

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56617	Aquarius Universal Premium 5000	102
56636	Replacement bulb UVC 55 W	203
56637	Aquarius Universal Premium 6000	102
56769	Bitron Eco 120 W	200
56774	ProfiClear Premium drum filter gravity fed	210
56873	AquaMax Expert 20000	105
56874	AquaMax Expert 30000	105
56875	AquaMax Expert 40000	105
56876	Aquarius Universal Premium 9000	102
56879	Aquarius Universal Premium 12000	102
56902	Bitron C 110 W	202
57083	Illumination set PondJet	86
57091	AquaMax Eco Gravity 10000	104
57092	AquaMax Eco Gravity 15000	104
57093	AquaMax Eco Gravity 20000	104
57097	Profinaut 6000	107
57104	LunAqua 5.1	146
57134	ProfiSkim 100	224
57427	LunAqua 5.1	146
57435	VarioSwitch 015a / 24 V	22
57462	Plug 100 T	232
57463	Overflow/drain armature 100/1000 T	234
57464	Cable transition 7/100 T	154
57465	Cable transition 12/100 T	154
57466	Standpipe 100/500 T	236
57467	Concrete part 100 T	154
57468	Plug 70 T	232
57469	Overflow/drain armature 70/1000 T	234
57470	Cable transition 4/70 T	154
57471	Concrete part 70 T	154
57472	VarioSwitch 010a / 24 V	22
57473	Liner clamping flange 70 T KD	154
57474	Liner clamping flange 100 T KD	154
57477	AquaActiv PhosLess Refill pack	226
57479	AquaAir 250	196
57480	Skimmer 250	225
57486	JunctionBox 8 / M 20	156
57487	AquaAir 250	196
57488	Skimmer 250	225
57646	DMX-Box / 01	162
57648	Power splice 20	158
57649	Power splice 43	159
57690	Varionaut 150 / DMX / 02	96
57696	BioTec ScreenMatic <sup>2</sup> 140000	204
57704	PondJet Eco	80
58904	AirNozzle	30
58905	Fountain Flame	36
58906	VarioJet	34
58907	Crown Nozzle	61
58909	Fog / Mist System	38
58916	LED Stripes	142
58960	Clear Lake System	222
58970	Water Screen Nozzle	56
58975	Flashwall	32
58976	WECS II Software	183
89012	Comet 3 - 6 T / NPT	44
89013	Comet 5 - 8 T / NPT	44
89014	Comet 5 - 10 T / NPT	44
89015	Comet 10 - 12 T / NPT	44
89016	Comet 10 - 14 T / NPT	44
89017	Comet 15 - 17 T / NPT	44
89018	Comet 15 - 20 T / NPT	44
89023	Geyser 20 T / NPT	72
89024	Geyser 40 T / NPT	72
89025	Geyser 60 T / NPT	72
89026	Geyser 80 T / NPT	72
89027	Geyser 100 T / NPT	72
89051	Cascade 50 T / NPT	68
89052	Cascade 70 T / NPT	68
89053	Cascade 90 T / NPT	68
89054	Cascade 110 T / NPT	68
89055	Cascade 130 T / NPT	68

# OASE-COMMERCIAL QUICKFINDER

MISCELLANEOUS

OASE-COMMERCIAL QUICKFINDER

Order no.	Product name	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray	Page
<b>Nozzles</b>															
58904	Air Nozzle 15 E vertical/01	✓	✓	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	30
58904	Air Nozzle 20 E horizontal/01	✓	✓	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	30
58904	Air Nozzle 20 E vertical/01	✓	✓	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	30
58904	Air Nozzle 24 E horizontal/01	✓	✓	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	30
50911	Cascade 50 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	68
50912	Cascade 70 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	68
50915	Cascade 90 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	68
50916	Cascade 110 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	68
50917	Cascade 130 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	68
89051	Cascade 50 T / NPT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	68
89052	Cascade 70 T / NPT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	68
89053	Cascade 90 T / NPT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	68
89054	Cascade 110 T / NPT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	68
89055	Cascade 130 T / NPT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	68
45480	Cluster Eco 15 - 38	✓	✓	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	47
50721	Comet 3 - 6 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	42
50762	Comet 5 - 8 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	42
50722	Comet 5 - 10 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	42
45454	Comet 10 - 12 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	42
50723	Comet 10 - 14 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	42
50724	Comet 15 - 17 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	42
50523	Comet Prec 20 - 20 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	46
50959	Comet 3 - 5 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	44
50960	Comet 3 - 6 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	44
50964	Comet 5 - 8 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	44
50965	Comet 5 - 10 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	44
50968	Comet 10 - 12 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	44
50969	Comet 10 - 14 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	44
50970	Comet 15 - 17 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	44
50971	Comet 15 - 20 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	44
89012	Comet 3 - 6 T / NPT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	44
89013	Comet 5 - 8 T / NPT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	44
89014	Comet 5 - 10 T / NPT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	44
89015	Comet 10 - 12 T / NPT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	44
89016	Comet 10 - 14 T / NPT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	44
89017	Comet 15 - 17 T / NPT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	44
89018	Comet 15 - 20 T / NPT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	44
58907	Crown Nozzle	✓	✓	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	61
53056	Fan Jet 10 - 6 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	55
50524	Fan Jet 10 - 20 - 6 Silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	55
53047	Fan Jet 15 - 8 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	55
51110	Finger Nozzle 7-15 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	60
58975	Flashwall	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	32
58909	Fog / Mist System	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	38
58905	Fountain Flame 24 V/DMX/02	✓	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	36
58905	Fountain Flame/DMX/02/V2	✓	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	36
50991	Geyser 20 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	72
50992	Geyser 40 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	72
50993	Geyser 60 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	72
50994	Geyser 80 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	72
50995	Geyser 100 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	72
89023	Geyser 20 T / NPT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	72
89024	Geyser 40 T / NPT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	72
89025	Geyser 60 T / NPT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	72
89026	Geyser 80 T / NPT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	72
89027	Geyser 100 T / NPT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	72
50377	Geyser Jet 30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	50
50376	Grand Vulcan 30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	58
50767	Gushing nozzle 115 - 15 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	54
50375	High Jet 30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	50
50966	Hollow Jet Nozzle 68	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	48
50973	Hollow Jet Nozzle 100	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	48
55350	Hollow Jet Nozzle 130	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	48
50963	Hollow Jet Nozzle 130	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	48
50528	JumpingJet Rainbow Flash II/DMX/02	✓	✓	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	20
50345	JumpingJet Rainbow Star/DMX/01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	18
50884	Lava 25 - 5 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	51



Order no.	Product name	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray	Page
50889	Lava 30 - 10 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	51
50890	Lava 45 - 10 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	51
50891	Lava 60 - 10 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	51
50702	Multi Directional Drive II /DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	26
51225	Multi Directional Drive II 3 D/DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	24
52219	Mylar lace 4/025	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	76
52218	Mylar lace nozzle 22 MS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	76
52220	Mylar lace weight 20/100 MS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	76
50967	Rotating nozzle 5 - 15 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	62
50473	Rotating nozzle 5 - 30 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	62
50984	Schaumsprudler 35 - 10 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	64
50986	Schaumsprudler 55 - 10 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	64
50987	Schaumsprudler 55 - 10 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	64
50768	Schaumsprudler 75 - 20 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	64
50342	Swivel / DMX/02	✓	✓	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	28
50378	Trumpet Jet 30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	58
57472	VarioSwitch 010a / 24 V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	22
57435	VarioSwitch 015a / 24 V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	22
58906	VarioJet	✓	✓	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	34
50766	Vulcan 43 - 3 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	59
50977	Vulcan 300 / 19 - 8 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	59
50897	Water hemisphere 900	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	52
50898	Water hemisphere 1200	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	52
50899	Water hemisphere 1500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	52
51762	Water hemisphere 2500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	52
51763	Water hemisphere 3500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	52
51764	Water hemisphere 6000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	52
58970	Water Screen Nozzle	✓	✓	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	56
50894	Water sphere 900	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	52
50895	Water sphere 1200	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	52
50896	Water sphere 1500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	52
51759	Water sphere 2500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	52
51760	Water sphere 3500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	52
51761	Water sphere 6000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	52

Floating Fountains															
50479	Illumination set MIDI/MAXI/AirFlo LED/01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	86
57083	Illumination set PondJet	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	86
51071	Illumination set PondJet	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	86
42637	LED-floating fountain illumination white	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓*	✓	✓	✓	86
50371	MAXI II 4,0 kW / 400 V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	82
50374	MAXI II 5HP / 3-Phase	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	82
50365	MIDI II 1,1 kW / 230 V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	82
50372	MIDI II 2HP / 230V 60Hz	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	82
54019	PondJet	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	80
57704	PondJet Eco	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	80

Pumps															
56873	AquaMax Expert 20000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	105
56874	AquaMax Expert 30000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	105
56875	AquaMax Expert 40000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	105
57091	AquaMax Eco Gravity 10000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	104
57092	AquaMax Eco Gravity 15000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	104
57093	AquaMax Eco Gravity 20000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	104
56617	Aquarius Universal Premium 5000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	102
56637	Aquarius Universal Premium 6000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	102
56876	Aquarius Universal Premium 9000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	102
56879	Aquarius Universal Premium 12000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	102
52004	Atlantis 350	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	103
45308	BT 1.1-65-4 IE 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	110
45306	BT 1.5-50-4 IE 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	110
45305	BT 2.2-40-4 IE 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	110
45309	BT 3.0-80-4 IE 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	110
45307	BT 4.0-50-4 IE 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	110
45310	BT 4.0-80-4 IE 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	110
45311	BT 5.5-80-4 IE 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	110
45312	BT 7.5-100-4 IE 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	110
45313	BT 11.0-100-4 IE 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	110
45314	BT 15.0-125-4 IE 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	110
50296	Profimax 7000 USA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	106
57097	Profinaut 6000 USA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	107
53834	SPA 22-23	✓	✓*	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	112
53835	SPA 22-33	✓	✓*	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	112
53839	SPA 35-23	✓	✓*	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	112
53841	SPA 35-43	✓	✓*	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	112
53845	SPA 58-23	✓	✓*	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	112
53846	SPA 58-33	✓	✓*	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	112

Order no.	Product name	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray	Page
53852	SPA 100-13	✓	✓*	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	112
53854	SPA 100-33	✓	✓*	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	112
53858	SPA 162-1-13	✓	✓*	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	112
53859	SPA 162-13	✓	✓*	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	112
53860	SPA 162-2-23	✓	✓*	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	112
53864	SPA 280-1-13	✓	✓*	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	112
53865	SPA 280-13	✓	✓*	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	112
53866	SPA 280-2-23	✓	✓*	✓*	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	112
55721	USP 412 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	108
55720	USP 413 D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	108
55727	USP 512 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	108
55726	USP 513 D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	108
55732	USP 662 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	108
55731	USP 663 D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	108
55735	USP 813 D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	108
56506	USP H 673 D	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	108
50136	Varionaut 90 24 V /DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	92
50309	Varionaut 1 /A/ DMX/01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	92
50665	Varionaut 150 24V / DMX /02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	94
57650	Varionaut 150 24V / DMX /02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	94
50343	Varionaut 150 /DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	96
57690	Varionaut 150 /DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	96
40758	Varionaut 270 /DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	98
50526	Varionaut 365 /DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	100
56115	Varionaut 365 /DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	100

Illumination															
50978	Freestand Light	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	149
54035	Halogen bulb 35 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	145
54036	Halogen bulb 50 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	145
54037	Halogen bulb 75 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	145
52942	Halogen reflector bulb 100 W, 10°, white	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	148
52943	Halogen reflector bulb 100 W, 24°, white	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	145
51394	Halogen reflector bulb 50 W, 30°, white	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	147
52939	Halogen reflector bulb 50 W, 24°, white G53	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	145
52941	Halogen reflector bulb 75 W, 24°, white G53	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	145
50786	Lamp Holder	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	150
58916	LED Stripes	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	142
51069	LED-Module II 960 /DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	151
54034	LunAqua 10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	144
50366	LunAqua 10 LED /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	140
57427	LunAqua 5.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	146
57104	LunAqua 5.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	146
56267	ProfiLux LED 110 /DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	118
56298	ProfiPlane LED 110 /DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	126
56331	ProfiLux LED 350 /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	132
50717	ProfiLux LED 320 /DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	120
50718	ProfiRing LED 320 /DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	130
50719	ProfiPlane LED 320 /DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	128
51296	ProfiLux LED 1100 /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	134
56388	ProfiLux LED Spot 1500 /DMX /02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	122
56391	ProfiLux LED Flood 1500/DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	124
56401	ProfiLux LED Spot 2200 /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	136
56402	ProfiLux LED Flood 2200 /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	138
50367	ProfiLux LED 370 12 V /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	140
50474	ProfiLux LED 370 24 V /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	140
56133	ProfiLux 101 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	144
52909	UWS TS 111	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	148
51446	UWS TN 508	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	146

Power – Measure – Control – Regulate															
53913	Anemometer K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	188
51741	Cable transition 1/10 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	154
51740	Cable transition 2/15 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	154
57470	Cable transition 4/70 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	154
57464	Cable transition 7/100 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	154
57465	Cable transition 12/100 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	154
57471	Concrete part 70 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	154
57467	Concrete part 100 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	154
12768	Connection cable 12 V AC / 1,0 m /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	160
12374	Connection cable 12 V AC / 3,0 m /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	160
12375	Connection cable 12 V AC / 7,5 m /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	160
11740	Connection cable 12 V AC / 15,0 m /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	160
12762	Connection cable 24 V DC / 1,0 m /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	160
12552	Connection cable 24 V DC / 3,0 m /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	160
12553	Connection cable 24 V DC / 7,5 m /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	160
11720	Connection cable 24 V DC / 15,0 m /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	160

Order no.	Product name	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray	Page
12368	Connection cable DMX / 1,0 m /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	162
12369	Connection cable DMX / 3,0 m /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	162
12371	Connection cable DMX / 5,0 m /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	162
12372	Connection cable DMX / 10,0 m /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	162
12373	Connection cable DMX / 20,0 m /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	162
57646	DMX-Box/01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	162
51554	Electronic water level control 1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	184
55846	Electronic water level control 2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	184
12007	End resistant for BUS-system DMX/01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	162
50728	Extension cable hybrid / 3,0 m	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	164
56403	Extension cable hybrid / 7,5 m /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	164
56404	Hybrid Connection box	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	164
57486	JunctionBox 8/M 20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	156
50358	JunctionBox 14/M 20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	156
57473	Liner clamping flange 70 T KD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	154
57474	Liner clamping flange 100 T KD	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	154
50492	PowerBox 12 V AC /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	160
50493	PowerBox 24 V DC /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	160
57648	Power splice 20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	158
57649	Power splice 40	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	159
51556	Solenoid valve ½" 24 V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	184
51557	Solenoid valve 1" 24 V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	184
55843	Supplemental electrode 2000-1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	186
51341	Switchgear EL 100 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	172
51342	Switchgear EL 101 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	172
51343	Switchgear EL 110 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	172
51344	Switchgear EL 111 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	172
51334	Underwater cable connector T 3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	156
50720	Underwater LED Driver / DMX / 02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	166
40289	Underwater power supply 250 / 24 V /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	170
50733	Underwater power supply 250 / 24 V /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	170
56411	Underwater Switch 24V / DMX / 02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	168
50401	Underwater transformer UST 150 /01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	190
50517	Underwater transformer UST 150 /A/01	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	190
55845	Water level sensor 2000-3/5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	186
51559	Water level sensor 20-3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	186
53918	Water level sensor 20-4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	186
56491	WECS II 512 /DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	174
56492	WECS II 1024 /DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	174
56507	WECS II 2048 /DMX/02	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	180
51838	Wind-dependent fountain control 3 K	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	188

Water Quality															
50433	AFM filter medium	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	216
50183	AirFlo 1,5 kW / 230 V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	198
50185	AirFlo 4,0 kW / 400 V	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	198
50549	AquaActiv AlGo Direct 5 l	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	226
50545	AquaActiv AlGo Universal 5 l	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	226
50939	AquaActiv BioKick CWS 2 l	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	226
50558	AquaActiv OptiPond 5 l	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	226
57477	AquaActiv PhosLess Refill pack	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	226
50555	AquaActiv PondClear 5 l	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	226
50561	AquaActiv SediFree 5 l	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	226
50571	AquaActiv Wasseranalyse Profi-Set	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	226
57479	AquaAir 250	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	196
57487	AquaAir 250 / A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	196
55351	Backwash Automatic Eurotronik	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	216
57696	BioTec ScreenMatic² 140000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	204
56902	Bitron C 110 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	202
56769	Bitron Eco 120 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	200
56405	Bitron Eco 180 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	200
56410	Bitron Eco 240 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	200
50946	Bitron Gravity 55 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	202
51036	Buffer solution calibration set	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	220
50434	Clear Fountain System	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	220
58960	Clear Lake System 250/500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	222
58960	Clear Lake System 5000/20000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	222
53428	Crystal quartz sand	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	216
51062	OxyPool	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	220
53091	PH value reducer pHW 30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	220
51064	ProfiClear Classic coarse debris extrac.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	208
51065	ProfiClear Classic filter foam module	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	208
51066	ProfiClear Classic phosphate binder mod.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	208
51061	ProfiClear Classic pump chamber	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	208
56774	ProfiClear Premium drum filter gravity	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	210
50773	ProfiClear Premium drum filter pump-fed	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	210
50771	ProfiClear Premium Individual Module	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	210



Order no.	Product name	Fresh Water	Pool Water	Sea Water	220-240 V	400 V	110-120 V	50 Hz	60 Hz	12 V AC	24 V DC	DMX	DMX/RDM	Plug and Spray	Page
50772	ProfiClear Premium Moving Bed Module	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	210
50947	ProfiClear Premium replacem. sieve 150 µ	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	210
42913	ProfiClear pump chamber Compact / Classic	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	208
57134	ProfiSkim 100	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	224
51185	ProfiSkim Premium	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	224
56636	Replacement bulb UVC 55 W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	203
42894	Repl. set foam red/purple BioTec 60/140	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	205
42896	Repl. set foam blue BioTec 60/140	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	205
50431	Sand filter D 600	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	216
50432	Sand filter D 800	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	216
57480	Skimmer 250	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	225
57488	Skimmer 250/A	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	225
51034	Sonde Ph	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	220
51035	Sonde Redox	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	220
52981	Spiral hose green 1½", 25 m	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	205
36500	Spiral hose green 2", 20 m	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	205
50272	StrataFlo 2 2HP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	198
50274	StrataFlo 2 5HP / 3-Phase	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	198
54921	Wall Skimmer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	218

Accessories															
51026	Adapter G 10 / NPT 10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	244
51027	Adapter G 15 / NPT 15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	244
51028	Adapter G 20 / NPT 20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	244
51029	Adapter G 30 / NPT 30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	244
51165	Ball Joint 10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	245
51973	Debris sieve 70 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	232
51974	Debris sieve 100 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	232
51141	Floor/wall transition 10-175 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	238
51142	Floor/wall transition 15-175 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	238
51143	Floor/wall transition 20-175 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	238
52790	Floor/wall transition 40-175 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	238
51145	Floor/wall transition F 10-175 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	238
51146	Floor/wall transition F 15-175 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	238
51147	Floor/wall transition F 20-175 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	238
53013	Floor/wall transition F 40-175 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	238
51033	Flow Valve 10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	245
51022	Hexagon nippel 10 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	244
51023	Hexagon nippel 15 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	244
51024	Hexagon nippel 20 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	244
51025	Hexagon nippel 30 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	244
53086	Inflow nozzle 15 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	238
51058	Installation kit JumpingJet Rainbow Star	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	245
51108	Liner clamping flange 70 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	232
51117	Liner clamping flange 100 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	232
50477	NozzleChamber Single	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	230
50478	NozzleChamber Vario	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	230
51120	Overfl. wall-inst. comb. armature 100 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	241
57469	Overflow/drain armature 70/1000 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	234
57463	Overflow/drain armature 100/1000 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	234
52602	Overflow/return Box 100 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	240
57468	Plug 70 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	232
57462	Plug 100 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	232
51032	Reducing sleeve 15 x 10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	245
51030	Reducing sleeve 20 x 15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	245
51123	Return armature 200/100 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	236
51018	Sleeve 10 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	244
51019	Sleeve 15 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	244
51020	Sleeve 20 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	244
51021	Sleeve 30 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	244
57466	Standpipe 100/500 T	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	236
51082	Suction filter basket 200/100/15 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	242
51083	Suction filter basket 200/166/20 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	242
51084	Suction filter basket 200/250/25 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	242
51753	Suction filter basket 350/185/80/100E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	242
54755	Suction filter basket 350/350/125 E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	242
51756	Suction filter basket 600/280/150/200E	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	242
51015	Swivel connection 10 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	244
51016	Swivel connection 15 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	244
51017	Swivel connection 20 silver	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	244



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