

EN

# Blue lagoon

UV-C and Pool equipment

[www.bluelagoonuvc.com](http://www.bluelagoonuvc.com)

## PRODUCT CATALOGUE 2023



MEMBER OF:  Sinvest Group BV





## Company Introduction

### VGE B.V.

VGE B.V. is a prominent company focused on improving people's lives through timely innovations. As a manufacturer of a unique range of swimming pool equipment, we provide high-quality products and a harmonious collaboration with customers from our premises in the south of the Netherlands. We're proud to be a part of Netherland's top technology region; the Brainport Region.

VGE B.V. is a worldwide leading player in the development and production of UV-C equipment for all kinds of water treatment. We regularly introduce new products and we continuously improve our existing products. Our customers get the best price-quality rated products due to large scale production. Sustainable thinking is at the heart of our production and development process. Environmental friendliness and saving energy are major points of interest at VGE B.V.

Years of experience (since 1982) have resulted in technically advanced products that are in use in more than 70 countries around the globe. Our sales team is looking forward to provide you with smooth order processing and the best service and advice.

### VGE B.V.

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#### UL certified

UL is a world leader in product safety testing and certification. For more than a 100 years, manufacturers have had their merchandise evaluated and tested for safety risks by an independent, third-party safety certification organization.



#### Stainless steel housing

A stainless steel interior provides a reflection of UV radiation and this increases the efficiency of the radiation by up to 35%. In addition, the stainless steel ensures a longer life of the housing.



#### Only Pool Pro

The product is only intended for professional use. It should be installed in a professional application or assembled with other applications.



#### ETL certified

The ETL Listed Mark is proof that your product has been independently tested and meets the applicable published standard. The ETL Mark is proof of product compliance to North American safety standards.

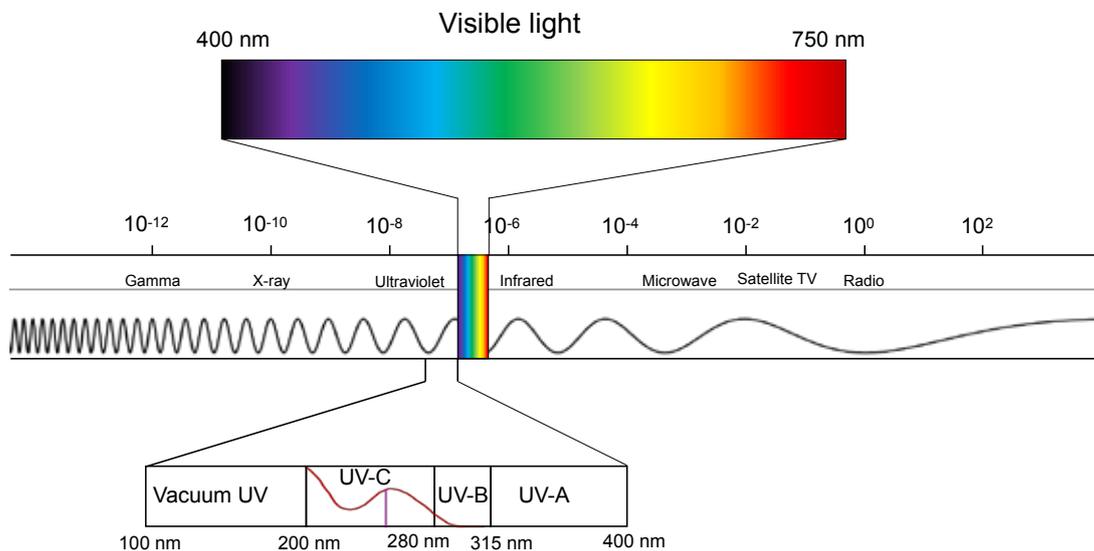


#### Salt-water

These units are suitable for salt-water applications. They are designed to avoid corrosion or damage of the unit from the salt-water.

UV light can be divided in four main categories; UV-A, UV-B, UV-C and Vacuum UV. The UV-C spectrum (200 to 280 nanometers) is the most lethal range of wavelengths for microorganisms. UV-C light has the ability to cause permanent damage to microorganisms. Each type of microorganism requires a specific UV-C radiation exposure rate to successfully complete the disinfection process. The targeted microorganism must be directly exposed to the UV-C radiation long enough for the radiation to penetrate the microorganism's cell wall. However, it takes only a fraction of a second for UV-C light rays to inactivate waterborne microorganisms by breaking through the microorganism's cell wall and damaging their DNA. This often totally destroys the organism, or at the very least will impair its ability to reproduce.

### Electromagnetic spectrum



**UV light is effective against all microorganisms**  
 Water purification by UV-C light is the most effective sanitizing method available today. UV light destroys microorganisms in domestic pools up to 99.9%.

**UV pool sanitizers contribute to crystal clear water**  
 The most important perpetrator of cloudy water, microorganisms such as algae, will be eliminated by UV pool sanitizers. Chloramines can also be the indirect cause of cloudy water, especially when the disinfection level of free chlorine in the water is too low. UV-C lamps destroy microorganisms up to 99.9% and breaks down chloramines up to 80%.

**With UV purifiers, you can reduce the use of chemicals for water treatment**  
 UV-C purification makes sure there is more stability in pools and spas, therefore adding extra chemicals can be prevented.

**The end user will have lower costs in chemicals and maintenance**  
 Materials in and around the pool suffer from chemicals added to the pool water. Because UV-C radiation destroys most of the harmful chloramines in the water, the materials in and around the pool get affected much less and need less maintenance.

**There is no risk of overdosing with UV pool sanitizers**  
 Overdosing chemicals in pools and spas can, as mentioned before, cause serious health problems and even foamy or cloudy water. UV radiation cannot be overdosed and destroys all of the microorganisms.

**UV is a green, non-hazardous technology**  
 Last but not least - UV light is an environmentally friendly way to sanitize pool water!

MODEL		RECOMMENDED FLOW RATE FOR 30MJ/CM <sup>2</sup>	MAX. WORKING PRESSURE IN BAR	MAXIMUM FLOW RATE IN M <sup>3</sup> /H	UV-C LAMP	BRAND LAMP	INLET/OUTLET DIAMETER (MM/INCH)	HEIGHT OF REACTOR IN CM ±	DISTANCE BETWEEN INLET / OUTLET IN CM ±	WEIGHT IN KG ±
BE09422	Xpose	14	1	15	1 x 42 W	VGE	32-38 60	55	19	4,5
BP08752	Duplex UV-C 80 W	17	2,5	23	1 x 80 W	VGE - LightTech	63	100	77	5,5
BP08132	Duplex UV-C 140 W	23	2,5	23	1 x 140 W Amalgam	VGE - LightTech	63	100	77	5,6
BP07082	Buster UV-C 80 W	15	4	20	1 x 80 W	VGE - LightTech	2"	93	73,3	9,7
BP07132	Buster UV-C 140 W	23	4	28	1 x 140 W Amalgam	VGE - LightTech	2,5"	93	72	9,6
BP07392	Buster UV-C 420 W	49*	4	49	3 x 140 W Amalgam	VGE - LightTech	3"	93	70,4	22,4
BH12752	AOP Compact Ozone & UV-C 75 W 2.0	18	2,5	23	1 x 75 W / Ozone	VGE - LightTech	63	100	77	8,4
BP02752	Inox UV-C 75 W	18	5	23	1 x 75 W	Philips	2"	100	78,5	7,2
BP02132	Inox UV-C 130 W	22	5	23	1 x 130 W Amalgam	Philips	2"	100	78,5	7,3
BH01402	Timer UV-C 40 W	11	2	23	1 x 40 W	Philips	63	100	77	4,1
BH01752	Timer UV-C 75 W	16	2	23	1 x 75 W	Philips	63	100	77	4,3
BH01132	Timer UV-C 130 W	22	2	23	1 x 130 W Amalgam	Philips	63	100	77	4,5
BH10402	Salt-water Timer UV-C 40 W	9	2	23	1 x 40 W	Philips	63	100	77	4,0
BH10752	Salt-water Timer UV-C 75 W	14	2	23	1 x 75 W	Philips	63	100	77	4,2
BE06402	Signal UV-C 40 W	11	2	23	1 x 40 W	VGE - LightTech	63	100	77	4,1
BH11752	Signal UV-C 75 W	16	2	23	1 x 75 W	VGE - LightTech	63	100	77	4,3
BH11402	Signal UV-C 130 W	22	2	23	1 x 130 W Amalgam	VGE - LightTech	63	100	77	4,5
BH04402	Copper Ionizer UV-C 40 W	11	2	23	1 x 40 W	Blue Lagoon - LightTech	63	100	77	5,0
BH04752	Copper Ionizer UV-C 75 W	16	2	23	1 x 75 W	Blue Lagoon - LightTech	63	100	77	5,2
BE02162	Tech UV-C 16 W	5	2	23	1 x 16 W	VGE - LightTech	63	56	34	2,8
BE02402	Tech UV-C 40 W	11	2	23	1 x 40 W	VGE - LightTech	63	100	77	3,6
BE02752	Tech UV-C 75 W	16	2	23	1 x 75 W	VGE - LightTech	63	100	77	3,9
BE03132	Tech UV-C 130 W	22	2	23	1 x 130 W Amalgam	Philips	63	100	77	5,0
BE06402	Salt-water UV-C 40 W	9	2	23	1 x 40 W	Philips Smart Cap	63	100	77	3,0
BE06752	Salt-water UV-C 75 W	14	2	23	1 x 75 W	Philips Smart Cap	63	100	77	3,2
BE07402	Salt-water short UV-C 40 W	8	2	23	1 x 40 W	VGE - LightTech	63	48	37	2,5
BE21122	Tech Spa UV-C 12 W	3	2	23	1 x 12 W	Philips	63	42	24,5	2,5
BE21121	Tech Spa UV-C 15 W	3	2	23	1 x 15 W	Philips	63	42	24,5	2,5
BE01212	Spa UV-C 21 W - 230 V	3	1	13	1 x 21 W	VGE - LightTech	50	35	17	1,7
BE01211UL	Spa UV-C 21 W - 120 V	3	1	13	1 x 21 W	VGE - LightTech	50	35	17	1,7
BE01122	Spa UV-C 12 W	3	1	13	1 x 12 W	Philips	50	40,5	17	1,6
BE01151	Spa UV-C 15 W	4	1	13	1 x 15 W	Philips	50	40,5	17	1,6
BH07122	Spa Inox UV-C 12 W	3	2	13	1 x 12 W	Philips	3/4"	40,5	14,3	2,6
BH07151	Spa Inox UV-C 15 W	4	2	13	1 x 15 W	Philips	3/4"	40,5	14,3	2,6

\* Recommended flow rate for 40 mJ/cm<sup>2</sup>



The Blue Lagoon Xpose is a stand-up pool-UV-C especially made for above ground and basic inground pools.

A plug and play concept that's powerful, affordable, and easy to install. Now literally all pool owners can enjoy safe and healthy swimming water sustained by our uv-c technology.

### Advantages of the Blue Lagoon Xpose UV-C

- made for above ground and basic inground pools
- affordable
- easy to install no wall mount needed
- padlock prepared
- compatible with all pool brands
- automatic airbleed
- 4 ground secure mounting holes

### Technical specifications

#### XPOSE UV-C

Item code	BE09422
Type	42.000 / 42 W
EAN	8714404040693
Rec. flow for 30 mJ/cm <sup>2</sup>	14 m <sup>3</sup> /h - 230 L/min
Max. pressure	1 bar - 14.5 psi
Max. flow	15 m <sup>3</sup> /h - 250L/min
Diameter unit Ø	200 mm
Length unit	550 mm
Connection in-outlet Ø	32mm / 38mm flexible tube / 50mm hard tube
Housing material	High quality copolymer
Electronic ballast	230V AC 50/60Hz
Lamp power	42 W
Lamp	VGE T5 42 W Base Y
Lifespan lamp	9.000 h
Indicator	-
Replace lamp alert	-
Flow switch	-
Quantity full pallet	36



Please refer to page 42 for spare parts

## The Blue Lagoon Xpert range is branded and designed especially for Pool professionals!

The range contains 3 models, available in different wattages. The UV-C units are equipped with a practical and professionally designed Timer box with a LED-timer which accurately monitors and visualizes the lamp life.

### Blue Lagoon Xpert Buster and Xpert Duplex UV-C

The housing of the Buster UV-C is made out of 316L stainless steel. The housing of the Duplex UV-C is made out of Duplex stainless steel. This makes the Duplex units suitable for use with chlorinated pools and salt-water electrolysis pools as well. The Blue lagoon Xpert series are a perfect disinfection solution for (higher-end) pools.

### Advantages of the Blue Lagoon Xpert-Series UV-C

- Up to 35% more UV-C yield as a result of reflection by the Stainless Steel reactor.
- Extra-long cable between Timer box and unit for optimal flexibility in installing.
- A flow switch will turn off the lamp at insufficient water flow.  
(not included with the 80 W Duplex)
- LED indicator that informs about the lamp-life.
- Transparent lamp head for easy visual lamp inspection.
- UV-C lamp life up to 16.000 hours.
- Interchangeable supports allow for easy installation horizontally and vertically.
- Easy installation and maintenance.
- Made in the Netherlands.

### Advantages UV-C

- Crystal clear water.
- Reduces chlorine by 50-80%.
- No more chlorine rashes or red eyes.
- UV-C is a non-hazardous, green technology.
- Lower cost in chemicals, energy and maintenance.
- No risk of overdosing.
- A rapid improvement in water quality.



# Blue Lagoon Xpert-Series Duplex

ONLY  
POOL  
PRO

Blue lagoon<sup>®</sup>  
Xpert-series



Suitable for standard chlorine pools and salt-water electrolysis pools!

## Blue Lagoon Xpert Duplex UV-C

The Duplex UV-C is made out of Duplex stainless steel and comes in two types: 80 W and 140 W amalgam. The unit is suitable for **all types of swimming pools**, such as chlorinated and salt-water (electrolysis) pools. The Duplex stainless steel will not be affected by the salt-water and this prevents corrosion to the housing.

### Advantages

- Salt-water suitable.
- Equipped with two multiple connections for easy installation.
- Equipped with a flow switch to turn of the lamp at insufficient water flow (not included with 80 W)
- Visual lamp indicator in top of unit
- Made in the Netherlands



### Technical specifications

	DUPLEX UV-C 80 W	DUPLEX UV-C 140 W AMALGAM
Item code	BP08752	BP08132
Type	80.000 / 80 W	140.000 / 140 W
EAN	8714404046329	8714404980920
Max. pressure	2,5 bar	2,5 bar
Max. flow	23 m <sup>3</sup> /h	23 m <sup>3</sup> /h
Diameter unit Ø	70 mm	70 mm
Length unit	1000 mm	1000 mm
Diameter in-outlet Ø	63mm / 50mm / 1 1/2"	63mm / 50mm / 1 1/2"
Housing material	DUPLEX	DUPLEX
Electronic ballast	230 V AC 50 Hz	230 V AC 50 Hz
Lamp power	80 W	140 W
Lamp	VGE LightTech T6 80 W	VGE LightTech T6 140 W Amalgam
Lifespan lamp	9.000 h	16.000 h
Indicator	✓	✓
Replace lamp alert	✓	✓
Flow switch	-	✓
Quantity full pallet	24	24

Please refer to  
page 43 for  
spare parts

# Blue Lagoon Xpert-Series Buster



## Blue Lagoon Xpert Buster UV-C

The Buster UV-C is made out of 316L stainless steel and comes in the types: 80W, 140 W amalgam or 420 W amalgam. These units are equipped with interchangeable supports for easy installation horizontally and vertically.

### Advantages

- Equipped with interchangeable supports
- Equipped with a flow switch to turn of the lamp at insufficient water flow (not included with 80 W)
- Visual lamp indicator in lamphead
- Made in the Netherlands

## Technical specifications

	<b>BUSTER UV-C 80 W</b>	<b>BUSTER UV-C 140 W AMALGAM</b>	<b>BUSTER UV-C 420 W AMALGAM</b>
Item code	BP07082	BP07132	BP07392
Type	80.000 / 80 W	140.000 / 140 W	420.000 / 420 W
EAN	8714404040136	8714404045216	8714404045773
Rec. flow for 30 mJ/cm <sup>2</sup>	15 m <sup>3</sup> /h	23 m <sup>3</sup> /h	49 m <sup>3</sup> /h (for 40 mJ/cm <sup>2</sup> )
Max. pressure	4 bar	4 bar	4 bar
Max. flow	20 m <sup>3</sup> /h	28 m <sup>3</sup> /h	49 m <sup>3</sup> /h
Diameter unit Ø	114 mm	154 mm	219 mm
Length unit	930 mm	930 mm	930 mm
Diameter in-outlet Ø	2" male threaded	2,5" male threaded	3" male threaded
Housing material	316 L	316 L	316 L
Electronic ballast	230 V AC 50 Hz	230 V AC 50 Hz	230 V AC 50 Hz
Lamp power	80 W	140 W	3 x 140 W
Lamp	VGE T5 80 W	VGE T6 140 W Amalgam 4P	3x T6 140 W Amalgam 4P
Operating environment ballast temp.	1-40 °C	1-40 °C	1-40 °C
Lifespan lamp	9.000 h	16.000 h	16.000 h
Indicator	✓	✓	✓
Replace lamp alert	✓	✓	✓
Flow switch	-	✓	✓
Quantity full pallet	18	15	6

Please refer to page 44 for spare parts

# Blue Lagoon Xpert-Series AOP Compact Ozone & UV-C 2.0



The lamp has a double function, producing ozone and UV-C light at the same time. The ozone in the water will be completely broken down by the UV-C light. Because of this, so called OH-radicals are being produced which have a high oxidation potential. This results in oxidation of the organic pollution in the water and the UV-C light will also disinfect the water at the same time.

The combination of ozone and UV-C, integrated in this cleverly designed disinfection system, ensures fresh and healthy pool water with the possibility of providing a minimum use of chlorine.

## Advantages of the Blue Lagoon AOP Compact Ozone & UV-C 2.0

- This unit provides triple disinfection: ozone, OH radicals and UV-C
- A stand-alone electronic ballast to guarantee an efficient and stable power supply in addition to maximum installation flexibility
- Up to 35% more UV-C yield as a result of reflection by the stainless steel reactor
- **DUPLEX** stainless steel housing, suitable for use in chlorine and salt electrolysis baths
- The ozone UV-C lamp produces ozone and UV-C for 9.000 hours
- The device will indicate when the lamp needs replacing
- Easy installation and maintenance
- Made in the Netherlands

## Operation

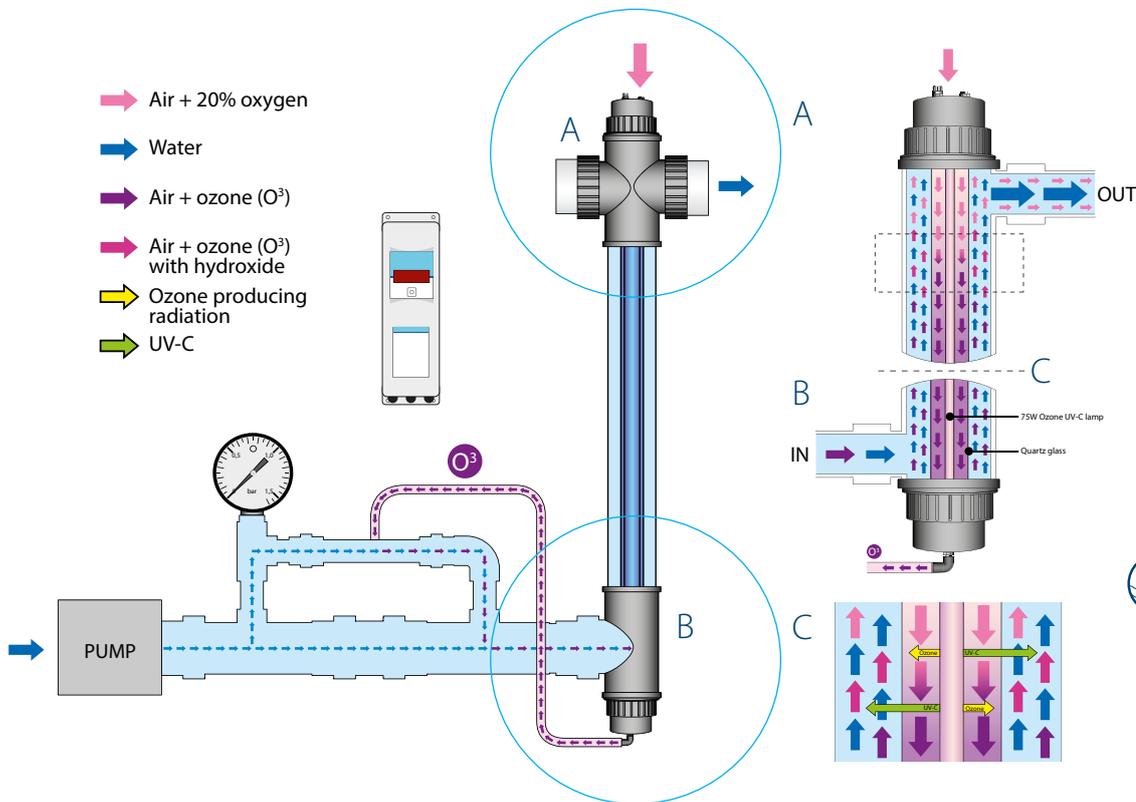
The combination of ozone and UV-C makes it possible to have a pool with minimal chlorine usage. Through the supplied venturi, air is sucked in from the outside into the space between the UV-C lamp and the quartz sleeve. The special UV-C lamp generates radiation of both 254nm and 185nm. The 185nm radiation converts the available oxygen into ozone. The produced ozone (max. 0,6 g/h) is mixed with water through the venturi to perform its disinfection and oxidising job.

Inside the UV-C housing, any residual ozone will be converted by the 254nm UV-C radiation into OH radicals (the so called Advanced Oxidation Process) that have an even stronger oxidising power than ozone.



## Technical specifications

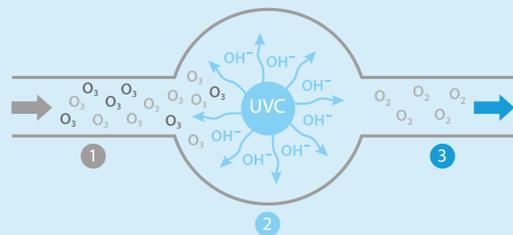
	AOP COMPACT OZONE & UV-C 75 W 2.0		AOP COMPACT OZONE & UV-C 75 W 2.0
Item code	BH12752	Electronic ballast	230 V AC 50 Hz
Type	75.000 / 75 W	Lamp power	75 W
EAN	8714404040617	Lamp	VGE T5 75 W Ozone
Rec. flow for 30 mJ/cm <sup>2</sup>	18 m <sup>3</sup> /h	Lifespan lamp	9.000 hours ozone - 9.000 hours UV-C
Max. pressure	2,5 bar	Ozone	0,6 gr/h
Max. flow	23 m <sup>3</sup> /h	Timer	✓
Diameter unit Ø	70 mm	Replace lamp alert	✓
Length unit	100 cm	Weight	6,0 Kg
Diameter in-outlet Ø	63mm / 50mm / 1 1/2"	Quantity full pallet	24 pcs
Housing material	DUPLEX		



The expected life-span of the T5 lamp regarding UV-C is 9000 hours. For the ozone producing part this is about 9000 hours as well. After this period of time the ozon-intensity decreases.

## What is AOP?

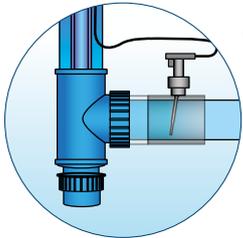
The VGE Advanced Oxidation Process (AOP) combines the benefits of ozone and UV-C into one device. When ozone is used in combination with UV-C light in water, hydroxyl radicals ( $\cdot\text{OH}$ ) are created. These radicals are very effective in oxidizing micropollutants in the water and therefore reducing the organic and inorganic pollution in the water. Chlorine disinfection by-products such as THM and chloramines are being reduced. The UV-C light not only disinfects the water very effectively, also chlorine resistant organisms like Cryptosporidium and Giardia are successfully being inactivated. Lastly it directly reduces the chloramines in the water. The UV-C system is designed in a way that all the ozone in the water is being used for the AOP process, therefore no deozoneation device is needed if the advised flowrates are met. AOP is a very effective and efficient way of sanitizing and disinfecting your pool. As a result the amount of chlorine in a pool can be kept to a minimum.



## Benefits AOP:

- Strong combination of ozone (oxidation) and UV-C (disinfection);
- Improves the disinfection efficiency;
- Makes a pool with a minimal amount of chlorine possible;
- Effective against chlorine-resistant microorganisms;
- Prevents skin and eye irritation;
- Can be quickly added to existing filtration systems.

The Advanced Oxidation Process (AOP) is the best available water treatment technology at this moment. AOP uses  $\cdot\text{OH}$  radicals which have the highest oxidation potential of oxidants that can be used in water treatment systems. When dissolved ozone (1) is irradiated by UV-C radiation in a UV treatment chamber (2), then  $\cdot\text{OH}$  radicals are created. The lifetime of  $\text{OH}^-$  radicals is extremely short, because of that the entire treatment process takes place within the UV treatment chamber. Treated water (3) is without  $\cdot\text{OH}$  radicals



The Inox includes a flow switch that will turn off the lamp when the flow is too low. The Inox UV-C 130W includes an amalgam lamp. The UV-C amalgam lamp is less affected by temperature fluctuations in the water and generates a constant, powerful radiation. Amalgam UV-C light is known as being the most powerful UV-C light available on the UV-C market.



The housing of the Inox UV-C is completely made of 316L stainless steel and is the driving disinfection force for (high-end) pools.

### Advantages of the Blue Lagoon Inox UV-C

- Up to 35% more UV-C yield as a result of reflection by the stainless steel reactor
- Philips UV-C lamp
- A flow switch will turn off the lamp at insufficient water flow
- Integrated adjustable time meter for the UV-C lamp
- Digital indication when the lamp needs replacing
- Complete 316L stainless steel housing
- Easy installation and maintenance
- Made in the Netherlands

### Operation

Thanks to the Blue Lagoon Inox UV-C, your swimming pool water will be disinfected efficiently and safely and the quality of your water will remain excellent. The UV-C radiation inactivates bacteria, viruses and other microorganisms and stops them from multiplying. This device is able to reduce chlorine concentration up to 50-80%!



### Technical specifications

	INOX UV-C 75 W	INOX UV-C 130 W
Item code	BP02752	BP02132
Type	75.000 / 75 W	150.000 / 130 W
EAN	8714404038669	8714404038676
Rec. flow for 30 mJ/cm <sup>2</sup>	18 m <sup>3</sup> /h	22 m <sup>3</sup> /h
Max. pressure	5 bar	5 bar
Max. flow	23 m <sup>3</sup> /h	23 m <sup>3</sup> /h
Diameter unit Ø	114 mm	114 mm
Length unit	100 cm	100 cm
Diameter in-outlet Ø	2" Male thr.	2" Male thr.
Housing material	316 L	316 L
Electronic ballast	230 V AC 50 Hz	230 V AC 50 Hz
Lamp power	75 W	130 W
Lamp	Philips TUV 36T5 HO 4P-SE (75 W)	Philips TUV 130 W 4P-SE Amalgam
Lifespan lamp	9,000 h	12,000 h
Timer	✓	✓
Replace lamp alert	✓	✓
Flow switch	✓	✓
Weight	7,2 Kg	7,3 Kg
Quantity full pallet	21 pcs	21 pcs

Please refer to page 46 for spare parts



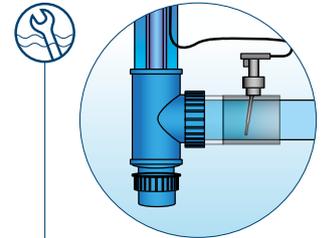
The Blue Lagoon Timer is equipped with an integrated timer which accurately monitors the number of operating hours. You can therefore see exactly when the lamp must be replaced.

## Advantages of the Blue Lagoon Timer UV-C

- Timer function that indicates the remaining lifetime of the lamp
- Up to 35% more UV-C yield as a result of reflection by the stainless steel reactor
- 316L stainless steel housing
- Easy to install and easy to maintain
- Comes with Ø63mm to Ø50mm fittings, 1/2" female threaded
- Made in the Netherlands

## Operation

The Blue Lagoon Timer UV-C contains an integrated timer that accurately monitors the number of operating hours. You can therefore see exactly when the lamp must be replaced. This device is able to reduce the chlorine concentration up to 50-80%!



The amalgam version includes a flow switch that will turn off the lamp when the flow is too low. The UV-C amalgam lamp is less affected by temperature fluctuations in the water and generates a constant, powerful radiation. Amalgam UV-C light is known as being the most powerful UV-C light available on the UV-C market.

## Technical specifications

	TIMER UV-C 40 W	TIMER UV-C 75 W	TIMER UV-C 130 W
Item code	BH01402	BH01752	BH01132
Type	40.000 / 40 W	75.000 / 75 W	150.000 / 130 W
EAN	8714404034319	8714404034388	8714404034654
Rec. flow for 30 mJ/cm <sup>2</sup>	11 m <sup>3</sup> /h	16 m <sup>3</sup> /h	22 m <sup>3</sup> /h
Max. pressure	2 bar	2 bar	2 bar
Max. flow	23 m <sup>3</sup> /h	23 m <sup>3</sup> /h	23 m <sup>3</sup> /h
Diameter unit Ø	70 mm	70 mm	70 mm
Length unit	100 cm	100 cm	100 cm
Diameter in-outlet Ø	63 mm / 50 mm / 1 1/2"	63 mm / 50 mm / 1 1/2"	63 mm / 50 mm / 1 1/2"
Housing material	316L	316L	316L
Electronic ballast	230 V AC 50 Hz	230 V AC 50 Hz	230 V AC 50 Hz
Lamp power	40 W	75 W	130 W
Lamp	Philips TUV 36T5 4P-SE (40 W)	Philips TUV 36T5 HO 4P-SE (75 W)	Philips TUV 130 W 4P-SE Amalgam
Lifespan lamp	9.000 h	9.000 h	12.000 h
Timer	✓	✓	✓
Replace lamp alert	✓	✓	✓
Flow switch	-	-	✓
Weight	4,1 Kg	4,3 Kg	4,5 Kg
Quantity full pallet	24 pcs	24 pcs	24 pcs

Please refer to page 47 for spare parts

# Salt-water Timer UV-C



The Blue Lagoon Salt-water Timer is especially developed for disinfection of salt-water. The unit is equipped with an integrated timer which accurately monitors the number of operating hours.

## Advantages of the Blue Lagoon Salt-water UV-C

- Timer function that indicates the remaining lifetime of the lamp
- Especially developed for salt-water pools
- PVC - housing
- Easy to install and easy to maintain
- Comes with Ø63mm to Ø50mm fittings, 1" female threaded
- Made in the Netherlands

## Operation

The Blue Lagoon Salt-water Timer UV-C is especially developed for salt-water and seawater pools (salt electrolysis). Thanks to the special white PVC housing the salt has no corrosive influence. In addition, the device contains an integrated timer that accurately monitors the number of operating hours. You can therefore see exactly when the lamp must be replaced. With the Blue Lagoon Salt-water Timer UV-C you can disinfect your water in an efficient and save way. The result is an excellent water quality. The connection at the bottom allows 360° connection flexibility. This is ideal for corner installations or for combination with other units.



## Technical specifications

	<b>SALT-WATER TIMER UV-C 40 W</b>	<b>SALT-WATER TIMER UV-C 75 W</b>
Item code	BH10402	BH10752
Type	40.000 / 40 W	75.000 / 75 W
EAN	8714404046718	8714404046787
Rec. flow for 30 mJ/cm <sup>2</sup>	9 m <sup>3</sup> /h	14 m <sup>3</sup> /h
Max. pressure	2 bar	2 bar
Max. flow	23 m <sup>3</sup> /h	23 m <sup>3</sup> /h
Diameter unit Ø	70 mm	70 mm
Length unit	100 cm	100 cm
Diameter in-outlet Ø	63mm / 50mm / 1½"	63mm / 50mm / 1½"
Housing material	PVC	PVC
Electronic ballast	230 V AC 50 Hz	230 V AC 50 Hz
Lamp power	40 W	75 W
Lamp	Philips TUV 36T5 4P-SE (40 W)	Philips TUV 36T5 HO 4P-SE (75 W)
Lifespan lamp	9.000 h	9.000 h
Timer	✓	✓
Replace lamp alert	✓	✓
Flow switch	-	-
Weight	4,0 Kg	4,2 Kg
Quantity full pallet	24 pcs	24 pcs

Please refer to page 48 for spare parts



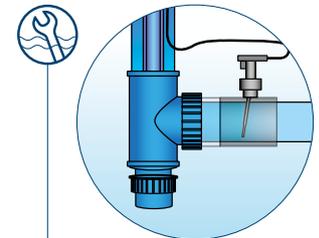
The Blue Lagoon Signal UV-C is equipped with an integrated LED-timer which accurately monitors and visualizes the remaining operating hours by changing colour! A warning will be given by a blinking LED light when the lamp needs to be replaced.

## Advantages of the Blue Lagoon Signal UV-C

- LED-function to visualise the remaining lifetime of the lamp
- Up to 35% more UV-C yield as a result of reflection by the stainless steel reactor
- 316L stainless steel housing
- Easy to install and easy to maintain
- Comes with Ø63mm to Ø50mm fittings, 1½" female threaded
- Made in the Netherlands

## Operation

The Blue Lagoon Signal UV-C contains an integrated timer that accurately monitors and visualises the hours by changing colour! A warning will be given by a blinking LED when the lamp needs to be replaced. Thanks to the Blue Lagoon Signal UV-C your swimming pool water will be disinfected efficiently, safely and the quality of your water will remain excellent. The UV-C radiation inactivates bacteria, viruses and other microorganisms and stops them from multiplying. This device is able to reduce the chlorine concentration up to 50-80%!



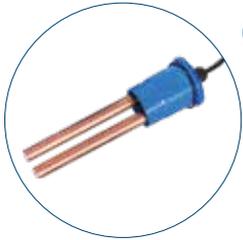
The amalgam version includes a flow switch that will turn off the lamp when the flow is too low. The UV-C amalgam lamp is less affected by temperature fluctuations in the water and generates a constant, powerful radiation. Amalgam UV-C light is known as being the most powerful UV-C light available on the UV-C market.

## Technical specifications

	<b>SIGNAL UV-C 40 W</b>	<b>SIGNAL UV-C 75 W</b>	<b>SIGNAL UV-C 130 W</b>
Item code	BH11402	BH11752	BH11132
Type	40.000 / 40 W	75.000 / 75 W	150.000 / 130 W
EAN	8714404045193	8714404045261	8714404045124
Rec. flow for 30 mJ/cm <sup>2</sup>	11 m <sup>3</sup> /h	16 m <sup>3</sup> /h	22 m <sup>3</sup> /h
Max. pressure	2 bar	2 bar	2 bar
Max. flow	23 m <sup>3</sup> /h	23 m <sup>3</sup> /h	23 m <sup>3</sup> /h
Diameter unit Ø	70 mm	70 mm	70 mm
Length unit	100 cm	100 cm	100 cm
Diameter in-outlet Ø	63mm / 50mm / 1 ½"	63mm / 50mm / 1 ½"	63mm / 50mm / 1 ½"
Housing material	316L	316L	316L
Electronic ballast	230 V AC 50 Hz	230 V AC 50 Hz	230 V AC 50 Hz
Lamp power	40 W	75 W	130 W
Lamp	LightTech T5 40 W	LightTech T5 75 W	LightTech T6 130 W Amalgam
Lifespan lamp	9.000 h	9.000 h	16.000 h
Indicator	✓	✓	✓
Replace lamp alert	✓	✓	✓
Flow switch	-	-	✓
Weight	4,1 Kg	4,3 Kg	4,5 Kg
Quantity full pallet	24 pcs	24 pcs.	24 pcs.

Please refer to page 49 for spare parts

# Copper Ionizer UV-C



This combination of UV-C and copper electrolysis in one disinfection system to minimize the use of chlorine.

## Advantages of the Blue Lagoon Copper Ionizer UV-C

- Enables swimming without the use of chlorine
- Up to 35% more UV-C yield as a result of reflection by the stainless steel reactor
- Easy installation and maintenance
- Comes with Ø63mm to Ø50mm fittings, 1½" female threaded
- Made in the Netherlands

### What is the disinfection mechanism of copper ionization?

Electrically charged copper ions (Cu<sup>2+</sup>) in the water search for particles of opposite polarity, such as bacteria, viruses and fungi. Positively charged copper ions form electrostatic compounds with negatively charged cell walls of microorganisms. These compounds disturb cell wall permeability and cause nutrient uptake to fail. As a result, bacteria are no longer able to multiply and eventually die. The ions remain active until they are absorbed by a microorganism.

## Operation

This combination of UV-C and copper electrolysis means you can have a chlorine-free pool! With the Blue Lagoon Copper Ionizer UV-C you have to test your pool water once every two weeks. You only need to test your water values with the supplied test strips and, if necessary, adjust the device to the correct level. Other ionizer systems dose approximately 2 ppm copper in your pool water. With Blue Lagoon Copper Ionizer UV-C, a dose of 0,7 ppm will be enough to fully and safely disinfect your pool. This device is able to reduce the chlorine concentration up to 100%! Max. copper: 0,7 ppm. Connections: Ø63mm / 50mm / 1½".



## Technical specifications

	COPPER IONIZER UV-C 40 W	COPPER IONIZER UV-C 75 W
Item code	BH04402	BH04752
Type	40.000 / 40 W	75.000 / 75 W
EAN	8714404034241	8714404036689
Rec. flow for 30 mJ/cm <sup>2</sup>	11 m <sup>3</sup> /h	16 m <sup>3</sup> /h
Max. pressure	2 bar	2 bar
Max. flow	23 m <sup>3</sup> /h	23 m <sup>3</sup> /h
Diameter unit Ø	70 mm	70 mm
Length unit	100 cm	100 cm
Diameter in-outlet Ø	63mm / 50mm / 1½"	63mm / 50mm / 1½"
Housing material	316L	316L
Electronic ballast	230 V AC 50 Hz	230 V AC 50 Hz
Lamp power	40 W	75 W
Lamp	Blue Lagoon T5 40 W Ionizer	Blue Lagoon T5 75 W Ionizer
Lifespan lamp	9.000 h	9.000 h
Copper ionizer	0,7 ppm	0,7 ppm
Replace lamp alert	✓	✓
Weight	5,0 Kg	5,2 Kg
Quantity full pallet	24 pcs	24 pcs

Please refer to page 50 for spare parts



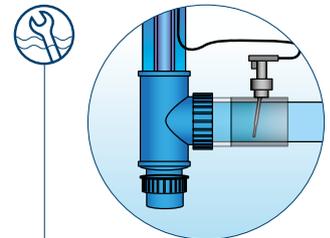
Because of its smart design, the Blue Lagoon Tech is ideal for all filter installations where space is limited but a high disinfection efficiency is required.

## Advantages of the Blue Lagoon Tech UV-C

- A built-in electronic ballast to ensure an efficient and stable power supply
- Up to 35% more UV-C yield as a result of reflection by the stainless steel reactor
- 316L stainless steel housing
- Easy to install and easy to maintain
- Including adapters Ø 63mm to Ø 50mm, 1½" female threaded
- Made in the Netherlands

## Operation

The Blue Lagoon Tech UV-C will ensure that your pool water is disinfected in an efficient and environmentally-friendly manner. The UV-C radiation inactivates bacteria, viruses and other microorganisms and stops them from multiplying. This device is able to reduce the chlorine concentration up to 50-80%! Thanks to the Blue Lagoon Tech UV-C, your swimming pool water will be disinfected efficiently and safely and the quality of your water will remain excellent. The Tech UV-C 16W, 40W and 75W are equipped with a special T5 UV lamp with a unique socket.



The amalgam version includes a flow switch that will turn off the lamp when the flow is too low. The UV-C amalgam lamp is less affected by temperature fluctuations in the water and generates a constant, powerful radiation. Amalgam UV-C light is known as being the most powerful UV-C light available on the UV-C market.



## Technical specifications

	<b>TECH UV-C 16 W</b>	<b>TECH UV-C 40 W</b>	<b>TECH UV-C 75 W</b>	<b>TECH UV-C 130 W</b>
Item code	BE02162	BE02402	BE02752	BE03132
Type	15.000 / 16 W	40.000 / 40 W	75.000 / 75 W	150.000 / 130 W
EAN	8714404034456	8714404034234	8714404034166	8714404029988
Rec. flow for 30 mJ/cm <sup>2</sup>	5 m <sup>3</sup> /h	11 m <sup>3</sup> /h	16 m <sup>3</sup> /h	22 m <sup>3</sup> /h
Max. pressure	2 bar	2 bar	2 bar	2 bar
Max. flow	23 m <sup>3</sup> /h			
Diameter unit Ø	70 mm	70 mm	70 mm	70 mm
Length unit	56 cm	100 cm	100 cm	100 cm
Diameter in-outlet Ø	63 mm / 50 mm / 1 ½"	63 mm / 50 mm / 1 ½"	63 mm / 50 mm / 1 ½"	63 mm / 50 mm / 1 ½"
Housing material	316L	316L	316L	316L
Electronic ballast	230 V AC 50 Hz			
Lamp power	16 W	40 W	75 W	130 W
Lamp	VGE T5 16 W 4P	VGE T5 40 W 4P	VGE T5 75 W 4P	Philips 130 W Amalgam lamp
Lifespan lamp	9.000 h	9.000 h	9.000 h	12.000 h
Weight	2,8 Kg	3,6 Kg	3,9 Kg	5,0 Kg
Quantity full pallet	60 pcs	30 pcs	30 pcs	30 pcs
Flow Switch	-	-	-	✓
ETL certified	-	✓	✓	✓

Please refer to page 51 for spare parts

# Salt-water UV-C



The Blue Lagoon Salt-water is especially developed for disinfection of salt-water. Because of that the disinfection system is suitable for salt- and seawater pools.

## Advantages of the Blue Lagoon Salt-water UV-C

- Especially developed for salt-water pools
- Philips T5 Smart Cap lamp included
- PVC - housing
- Easy installation and maintenance
- Including adapters Ø 63mm to Ø 50mm, 1½" female threaded
- Made in the Netherlands

## Operation

The Blue Lagoon Salt-water UV-C is especially developed for salt-water (salt electrolysis) and seawater pools. Thanks to the special white PVC - housing the salt has no corrosive influence. With the Blue Lagoon Salt-water UV-C you can disinfect your water in an efficient and safe way. The connection at the bottom allows 360° connection flexibility. This is ideal for corner installations, or for a combination with other units.



## Technical specifications

	SALT-WATER SHORT 40 W	SALT-WATER UV-C 40 W	SALT-WATER UV-C 75 W
Item code	BE07402	BE06402	BE06752
Type	40.000 / 40 W	40.000 / 40 W	75.000 / 75 W
EAN	8714404044394	8714404043489	8714404043496
Rec. flow for 30 mJ/cm <sup>2</sup>	8 m <sup>3</sup> /h	9 m <sup>3</sup> /h	14 m <sup>3</sup> /h
Max. pressure	2 bar	2 bar	2 bar
Max. flow	23 m <sup>3</sup> /h	23 m <sup>3</sup> /h	23 m <sup>3</sup> /h
Diameter unit Ø	70 mm	70 mm	70 mm
Length unit	48 cm	100 cm	100 cm
Diameter in-outlet Ø	63 mm / 50mm / 1 ½"	63 mm / 50mm / 1 ½"	63mm / 50mm / 1 ½"
Housing material	PVC	PVC	PVC
Electronic ballast	230 V AC 50 Hz	230 V AC 50 Hz	230 V AC 50 Hz
Lamp power	40 W	40 W	75W
Lamp	VGE T5 40 W 365mm	Philips Smart Cap 40 W	Philips Smart Cap 75 W
Lifespan lamp	9.000 h	9.000 h	9.000 h
Weight	2,5 Kg	3,0 Kg	3,2 Kg
Quantity full pallet	40 pcs	30 pcs	30 pcs

Please refer to page 52 for spare parts



The Tech Spa UV-C is specially designed for water with high-temperatures ( $\pm 40^{\circ}\text{C} / \pm 104^{\circ}\text{F}$ ), such as spas and hot tubs. The Spa is also ideal for filter installations where space is limited and a high disinfection efficiency is required.

## Advantages of the Blue Lagoon Tech Spa UV-C

- Includes a special Philips UV-C lamp with integrated electronic ballast
- UV-C lamp specially designed for high-temperatures ( $\pm 40^{\circ}\text{C} / \pm 104^{\circ}\text{F}$ )
- Compact in size
- 316L stainless steel housing
- 2 bar working pressure
- Easy installation and maintenance
- Made in the Netherlands

## Operation

The used UV-C lamp is specially designed by Philips for high temperatures ( $\pm 40^{\circ}\text{C} / \pm 104^{\circ}\text{F}$ ). The Blue Lagoon Tech Spa UV-C has a built in electronic ballast to ensure an efficient and stable power supply. In addition, the stainless steel (316L) reactor ensures the reflection of the UV-C rays, thereby increasing the efficiency. Thanks to the Blue Lagoon Tech Spa UV-C, your spa water will be disinfected efficiently and safely and the quality of your water will remain excellent. The UV-C radiation inactivates bacteria, viruses and other microorganisms and stops them from multiplying. This can reduce your chlorine concentration up to 50-80%!



## Technical specifications

	SPA UV-C TECH 12 W 230V	TECH SPA UV-C TECH 15 W 120V
Item code	BE21122	BE21120
Type	10.000 / 12 W	10.000 / 15 W
EAN	8714404044318	8714404041706
Rec. flow for 30 mJ/cm <sup>2</sup>	3 m <sup>3</sup> /h	3 m <sup>3</sup> /h
Max. pressure	2 bar	2 bar
Max. flow	23 m <sup>3</sup> /h	23 m <sup>3</sup> /h
Diameter unit Ø	70 mm	70 mm
Length unit	42 cm	42 cm
Diameter in-outlet Ø	63mm / 50mm / 1½"	63mm / 50mm / 1½"
Housing material	316L	316L
Electronic ballast	230 V AC 50 Hz	120 V AC 60 Hz
Lamp power	12 W	15 W
Lamp	Philips PLS module	Philips PLS module
Lifespan lamp	9.000 h	9.000 h
Weight	2,5 Kg	2,5 Kg
Quantity full pallet	40 pcs	40 pcs

Philips lamp  
designed for high  
temperatures



Please refer to  
page 53 for  
spare parts



**Two options for electronic ballast**

If the device is switched on, the system will check itself.



**LED indication**

The LED will turn green or red. Green means the lamp is lit, red means the lamp must be replaced as quickly as possible.

**0-5 V signal**

The signal cable plus/minus will output 0 or 5V DC. 5V DC means the lamp is lit, 0V DC means the lamp must be replaced as quickly as possible.

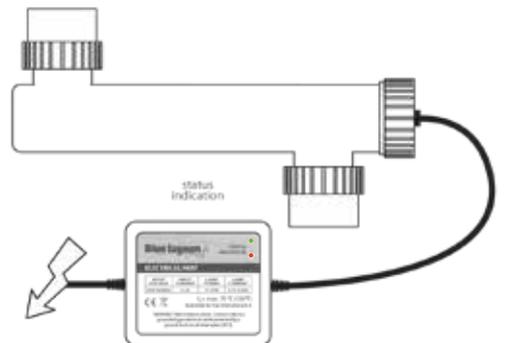
This UV-lamp is specially designed for high-temperatures ( $\pm 40^{\circ}\text{C}/\pm 104^{\circ}\text{F}$ ). The Blue Lagoon Spa UV-C 21 W has an electronic ballast with a LED indicator or a 0-5 V output signal which makes it easy to integrate and work with in every Spa installation and control system.

**Advantages of the Blue Lagoon Spa UV-C 21 W**

- Includes a ballast with a LED indicator or 0-5V signal
- UV-C lamp specially designed for high-temperatures ( $\pm 40^{\circ}\text{C} / \pm 104^{\circ}\text{F}$ )
- Compact in size
- Easy installation and maintenance
- Made in the Netherlands

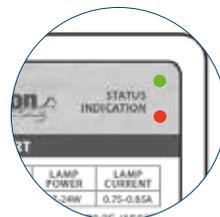
**Operation**

Additionally the Blue lagoon Spa UV-C 21 W can be fitted with an N-Lok connector making it possible to connect to most Spa control boards. Thanks to the Blue Lagoon Spa UV-C, your spa water will be disinfected efficiently and safely and the quality of your water will remain excellent. The UV-C radiation inactivates bacteria, viruses and other microorganisms and stops them from multiplying. This can reduce your chlorine concentration up to 50-80%! Max. pressure: 1 bar. 50mm connections included.



**Technical specifications**

	<b>SPA UV-C T5 21 W 230 V</b>
Item code	BE01212
Type	15.000 / 21 W
EAN	8714404045742
Rec. flow for 30 mJ/cm <sup>2</sup>	3 m <sup>3</sup> /h
Max. pressure	1 bar
Max. flow	13 m <sup>3</sup> /h
Diameter unit Ø	58 mm
Length unit	35 cm
Diameter in-outlet Ø	50mm / 1½"
Housing material	ABS
Electronic ballast	230 V AC 50 Hz
Lamp power	21 W
Lamp	VGE T5 21 W HO 4P
Lifespan lamp	9.000 h
Weight	5,2 Kg
Quantity full pallet	60 pcs



Please refer to page 54 for spare parts



The Blue Lagoon Spa 12-15W is specially designed for water with high-temperatures ( $\pm 40^{\circ}\text{C}/\pm 104^{\circ}\text{F}$ ), such as spas and hot tubs. The Spa is also ideal for filter installations where space is limited and a high disinfection efficiency is required.

## Advantages of the Blue Lagoon Spa UV-C

- Includes a special Philips UV-C lamp with integrated electronic ballast
- UV-C lamp specially designed for high-temperatures ( $\pm 40^{\circ}\text{C} / \pm 104^{\circ}\text{F}$ )
- Compact in size
- Easy installation and maintenance
- Made in the Netherlands

## Operation

This UV-lamp is specially designed by Philips for high-temperatures ( $\pm 40^{\circ}\text{C}/\pm 104^{\circ}\text{F}$ ). The Blue Lagoon Spa UV-C has a built-in electronic ballast to ensure an efficient and stable power supply. Thanks to the Blue Lagoon Spa UV-C, your spa water will be disinfected efficiently and safely and the quality of your water will remain excellent. The UV-C radiation inactivates bacteria, viruses and other microorganisms and stops them from multiplying. This can reduce your chlorine concentration up to 50-80%! Max. pressure: 1 bar. 50mm connections included. The Spa UV-C has a plastic housing.



## Technical specifications

	SPA UV-C PLS 12 W 230 V	SPA UV-C PLS 15 W 120 V
Type	10.000 / 12 W	10.000 / 12 W
Item code	BE01122	BE01151
EAN	8714404038966	8714404039642
Rec. flow for 30 mJ/cm <sup>2</sup>	3 m <sup>3</sup> /h	3 m <sup>3</sup> /h
Max. pressure	1 bar	1 bar
Max. flow	13 m <sup>3</sup> /h	13 m <sup>3</sup> /h
Diameter unit Ø	59 mm	59 mm
Length unit	40,5 cm	40,5 cm
Diameter in-outlet Ø	50 mm	50 mm
Housing material	ABS	ABS
Electronic ballast	230 V AC 50 Hz	120 V AC 60 Hz
Lamp power	12 W	15 W
Lamp	Philips PLS module 12 W 230 V	Philips PLS module 15 W 120 V
Lifespan lamp	9.000 h	9.000 h
Replace lamp alert	✓	✓
Weight	1,6 Kg	1,6 Kg
Quantity full pallet	60 pcs	60 pcs

Philips lamp  
designed for high  
temperatures



Please refer to  
page 54 for  
spare parts

# Spa UV-C Inox



The Blue Lagoon Spa Inox is specially designed for water with high-temperatures ( $\pm 40^{\circ}\text{C}/\pm 104^{\circ}\text{F}$ ), such as spas and hot tubs. It is ideal for filter installations where space is limited and a high disinfection efficiency is required. The Spa Inox has a stainless steel housing.

## Advantages of the Blue Lagoon Spa Inox

- Includes a special Philips UV-C lamp with integrated electronic ballast
- Complete stainless steel treatment chamber
- UV-C lamp specially designed for high-temperatures ( $\pm 40^{\circ}\text{C} / \pm 104^{\circ}\text{F}$ )
- Compact in size
- Easy installation and maintenance
- Made in the Netherlands

## Operation

This UV-lamp is specially designed by Philips for high-temperatures ( $\pm 40^{\circ}\text{C}/\pm 104^{\circ}\text{F}$ ). The Blue Lagoon Spa Inox has a built-in electronic ballast to ensure an efficient and stable power supply. Thanks to the Blue Lagoon Spa Inox, your spa water will be disinfected efficiently and safely and the quality of your water will remain excellent. The UV-C radiation inactivates bacteria, viruses and other microorganisms and stops them from multiplying. This can reduce your chlorine concentration up to 50-80%! The Spa Inox has a stainless steel housing.



## Technical specifications

	SPA UV-C INOX 12W 230 V	SPA UV-C INOX 15W 120 V
Item code	BH07122	BH07151
Type	10.000 / 12 W	10.000 / 15 W
EAN	8714404044240	8714404044479
Rec. flow for 30 mJ/cm <sup>2</sup>	3 m <sup>3</sup> /h	3 m <sup>3</sup> /h
Max. pressure	2 bar	2 bar
Max. flow	13 m <sup>3</sup> /h	13 m <sup>3</sup> /h
Diameter unit Ø	60,3 mm	60,3 mm
Length unit	40,5 cm	40,5 cm
Diameter in-outlet Ø	3/4" Male thr.	3/4" Male thr.
Housing material	316L	316L
Electronic ballast	230 V AC 50 Hz	120 V AC 60 Hz
Lamp power	12 W	15 W
Lamp type	Philips PLS module 12 W 230 V	Philips PLS module 15 W 120 V
Lifespan lamp	9.000 h	9.000 h
Weight	2,6 Kg	2,6 Kg
Quantity full pallet	60 pcs	60 pcs

Philips lamp  
designed for high  
temperatures





# Pure pleasure

Swimming pools and spas are the perfect places for sports, fun and relaxing. Unfortunately they are also the perfect breeding place for bacteria, viruses and other primitive organisms. Clean swimming pool water doesn't have to mean high doses of chlorine. With UV treatment the chlorine level can be kept as low as possible, decreasing the unpleasant side effects of it. So you can fully enjoy every swim.

**The clear choice**

Our UV-C lamps significantly reduce the required concentration of chemicals needed to keep the pool clean. So there's no red eyes or skin irritations to worry about. Also unpleasantly intense chlorine aromas that affect hair and skin are avoided, making UV-C treated pools the preferred choice with swimmers.

**Pure innovation**

With a long and reliable lifetime, low energy and maintenance costs and high end of life output, Philips UV-C lamps provide



up to 12,000 hours of clean pool water. And with very low levels of mercury, they're clearly better for the environment when they're disposed of.

**You're safe with us**

Philips has been lighting your world for more than 100 years. Our comprehensive range of UV-C solutions covers water, air and surface disinfection using low and medium pressure mercury lamps.

innovation  you

To find out more dive into our website at [www.philips.com/uvpurification](http://www.philips.com/uvpurification)

**PHILIPS**

# UV-C Lamps

## Blue Lagoon UV lamps

Each Blue Lagoon unit is equipped with a UV lamp. Depending on the system the choice of lamp has been made. To make sure a UV-C disinfection system keeps protecting bathers against pathogens such as moulds, viruses and bacteria, it is important to replace a UV-C lamp in time. The average effective lifespan of a UV-C lamp is 9,000 hours. An amalgam lamp has a longer lifespan of approximately 16.000 hours. Although the lamp will still continue to work after this period, its disinfecting value will rapidly decline from then on. To still guarantee the health of the bathers, it is important to replace the UV-C lamp in time.

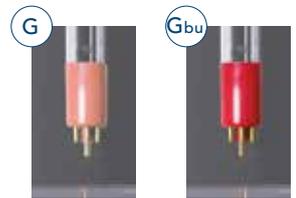
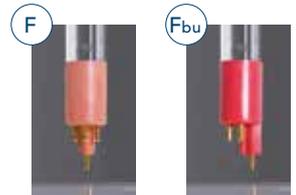
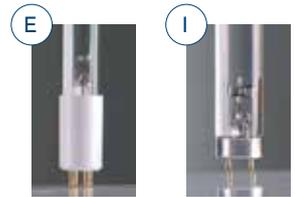
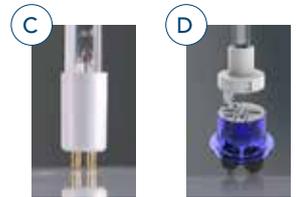
## T5 & T6 bulbs

ARTNR.	MARKE	TYP	VPE	TYP	MODELL
E800900	Philips	TUV 16 W 4P-SE UNP	1	T5	C
E800901P	Philips	TUV 36T5 40 W 4P-SE	1	T5	C
E800902P	Philips	TUV 36T5 HO 75 W 4P-SE	1	T5	C
3903567	Philips	TUV 64T5 75 W 4P-SE (1.56m)	1	T5	C
B280005	Philips	TUV Smart Cap 75 W	1	T5	D
B280006	Philips	TUV Smart Cap 40 W	1	T5	D
E800904	Philips	TUV XPT 130 W 4P-SE Amalgam	1	T6	E
E800901L	LightTech	T5 40 W 4P-SE	1	T5	C
E800902L	LightTech	T5 75 W 4P-SE	1	T5	C
F980005	LightTech	T6 130 W 4P Amalgam	1	T6	E
3903025	VGE - LightTech	T6 325 W 4P-SE Amalgam	1	T6	E
F980115	LightTech	T6 200 W 4P Amalgam	1	T6	E
4800070AM	VGE - LightTech	T5 40 W 4P Amalgam	1	T5	C
4800082AM	VGE - LightTech	T5 80 W 4P Amalgam	1	T5	C
3903073	VGE	4P-SE 40 W T5	25	T5	C
3903074	VGE	4P-SE 75 W T5	25	T5	C
F980122	VGE - LightTech	T5 21 W 4P HO	1	T5	X

## Unit specific lamps

ITEM. NR.	BRAND	MODEL	BOX	TYPE	BASE
F980065	VGE - LightTech	T5 16 W 4P-SE	1	T5	G
F980068	VGE - LightTech	T5 40 W 4P-SE, length 365mm (short)	1	T5	F
F980002	VGE - LightTech	T5 40 W 4P-SE	1	T5	F
F980004	VGE - LightTech	T5 75 W 4P-SE	1	T5	F
F980078BU	VGE - LightTech	T5 40 W 4P-SE	1	T5	F(bu)
F980079BU	VGE - LightTech	T5 75 W 4P-SE	1	T5	G(bu)
4800033	VGE - LightTech	T5 75 W 4P-SE Ozone	1	T5	H
F980008	VGE - LightTech	T6 130 W Amalgam 4P	1	T6	M
F980010	VGE - LightTech	T5 80 W 4P	1	T5	X
F980020	VGE - LightTech	T6 140 W Amalgam 4P	1	T6	X
F980120	VGE - LightTech	T5 21 W 4P	1	T5	G
F980122	VGE - LightTech	T5 20 W 4P HO	1	T5	X
F980124	VGE - LightTech	T5 40 W 4P HO	1	T5	X
B280002	Blue Lagoon - LightTech	T5 40 W Ionizer, length 635mm (short)	1	T5	K
B280001	Blue Lagoon - LightTech	T5 75W Ionizer, length 645mm (short)	1	T5	K

## Models



## VGE UV lamps

Besides the lamps used in Blue Lagoon products, VGE offers different replacement lamps. Below you find the different lamp types that VGE B.V. uses in her products. On the right page you can find an overview of the lamps that can be bought for replacement next to the Blue Lagoon replacement lamps. For the professional market it's also possible to deliver special high quality lamps with a higher wattage. For example lamps of 325 and 400 W. Please contact us by e-mail: [info@vgebv.nl](mailto:info@vgebv.nl) for the actual prices and delivery times.



**PL-S lamps** are compact UV-C (germicidal) lamps used in residential water and air disinfection units. The compact size of the lamp allows for a small system design and design flexibility.



The **Philips Smart Cap** technology is an innovative development for optimal safety! The lamp base and the fitting, that goes into the housing of the lamp, are both provided with a safety switch. As soon as the lamp is taken out of the housing, the power supply is interrupted causing the lamp to switch off.



**PL-L lamps** are compact UV-C (germicidal) lamps used in water and air disinfection units. The compact size of the lamp allows for a small system design and design flexibility.



**T6** are single-sided UV-C (germicidal) lamps that are used in professional water and air disinfection devices. The diameter of the lamp of 19 mm allows a small system design and flexibility in design. T6 lamps offer almost constant UV output over their entire service life for maximum disinfection safety and high system efficiency. The T6 is mainly used in the amalgam version.



**TL Mini lamps** are slim double-ended UV-C (germicidal) lamps used in residential water and air disinfection units. The small 16 mm diameter of the lamp allows for a small system design and design flexibility.



**VGE Smart Pin Technology (S.P.T.)** makes it possible to replace the lamp safely, while the system remains filled with water. If the lamp is not turned off during the replacement, it will switch off automatically as soon as it is removed from the socket. Due to the seal between the lamp socket and lamp, the system can be used in situations where IPx4 is required. The high-quality ceramic is an excellent electrical isolator and is resistant to corrosion.



**TL lamps (T8)** are double-ended UV-C (germicidal) lamps used in professional air disinfection units. Moreover, they have a long and reliable lifetime, which allows maintenance to be planned for in advance.



**T5 lamps** are single ended UV-C (germicidal) lamps used in professional water and air disinfection units. The small 16 mm diameter of the lamp allows for a small system design and design flexibility.

## PL bulbs

ITEM. NR.	BRAND	MODEL	BOX	TYPE	BASE
3903005	Philips	TUV PL-S 5 W /2P	10	PLS-S	A
3903009	Philips	TUV PL-S 7 W /2P	10	PLS-S	A
3903010	Philips	TUV PL-S 9 W /2P	10	PLS-S	A
3903013	Philips	TUV PL-S 9 W /4P	10	PLS-S	-
3903020	Philips	TUV PL-S 11 W /2P	25	PLS-S	A
3903030	Philips	TUV PL-L 18 W /4P	25	PL-L	B
3903033	Philips	TUV PL-L 24 W /4P	25	PL-L	B
3903040	Philips	TUV PL-L 36 W /4P	1	PL-L	B
3903050	Philips	TUV PL-L 55 W /4P	1	PL-L	B
B212012	Philips	Replacement module 12 W 230 V	1	PL-S	J
B212012 USA	Philips	Replacement module 15 W 120 V	1	PL-S	J
4600003	Philips	Replacement lamp Aetaire	1	PL-L	-
4610007	Philips	TUV PL-L 60 W /4P	1	PL-L	B
3903095	Philips	TUV PL-L 95 W /4P	1	PL-L	B

## TL bulbs

ITEM. NR.	BRAND	MODEL	BOX	TYPE	BASE
3903557	Philips	TUV TL-MINI 6 W FAM	25	TL	I
3903558	Philips	TUV TL-MINI 8 W FAM	25	TL	I
3903559	Philips	TUV TL 10W 1SL T8	25	TL	I
3903563	Philips	TUV TL-MINI 11 W FAM	25	TL	I
3903560	Philips	TUV TL 15 W 1SL T8	25	TL	I
3903574	Philips	TUV TL-MINI 16W	25	TL	I
3903561	Philips	TUV TL 25 W 1SL T8	25	TL	I
3903564	Philips	TUV TL 30 W 1SL T8	25	TL	I
3903565	Philips	TUV TL 36 W SLV	6	TL	I
3903562	Philips	TUV TL 55 W 1SL HO T8	6	TL	I
3903570	Philips	TUV TL 75 W HO T8	6	TL	I
3903071	VGE	TL 30 W T8	25	TL	I
3903072	VGE	TL 55 W T8	25	TL	I

## Unit specific lamps

ITEM. NR.	BRAND	MODEL	BOX	TYPE	BASE
F980086	VGE	Replacement lamp Delta EA-3H-5 / 35 W	50	T5	C
F980080	VGE	Replacement lamp Delta EA-3/4H-10 / 45 W	50	T5	C
F980082	VGE	Replacement lamp Delta EA-4/4H-20 / 90 W	50	T5	C
F980084	VGE	Replacement lamp Delta EA-4H-40 / 110 W	60	T5	C
F980088	VGE	Replacement lamp BIO-UV 10 / 38W	50	T5	C
F980090	VGE	Replacement lamp BIO-UV 20 / 59W	50	T5	C
F980092	VGE	Replacement lamp BIO-UV 30 / 87W	50	T5	C
F980094	VGE	Replacement lamp BIO-UV 40 / 102W	60	T5	C
F980102	VGE Pro - LightTech	SPT 140W 867mm	1	T6	L
F980103	VGE Pro - LightTech	SPT 200W 1115mm	1	T6	L
F980107	VGE Pro - LightTech	SPT 40W 389mm	1	T5	L
F980108	VGE Pro - LightTech	SPT 75W 867mm	1	T5	L
F980104	VGE Pro - LightTech	SPT 325W 1588mm	1	T6	L
F980112	VGE Pro - LightTech	SPT 400W 2000mm	1	T6	L

## Models



# UVC Germicidal Lamps Global Leaders

Light Sources and Lighttech, global leaders in UVC Germicidal Lamps, offer unmatched innovation in the design and manufacture of our lamp products. With both of our state of the art manufacturing facilities, we can supply the world market with high-quality standard lamp designs as well as custom designed lamp solutions for your specific applications.



- Amalgam Lamps
- Soft Glass
- U Shaped
- Cell Lamps
- Compact Lamps
- Standard Output
- High Output
- Ozone Producing
- Medium Pressure (MPUV/MPHO)
- OEM - Proprietary Base Solutions
- Custom Lamp Configurations



Be distinctive from your competitors



Customized product colour!

Your own logo printed on the device!



Create your own packaging!

## Add value to your UV-C units: your own brand

Your product assortment can be easily extended with your own UV-C equipment. Your own packing, your own commercial appearance and your own brand development!

### Benefits:

- Be distinctive from your competitors with your own brand
- Your brand name will be connected to the proven quality of VGE B.V.
- Determine the commercial appearance of your product yourself
- More opportunities to develop your own promotional campaigns for your own brand products
- Also available in low quantities (ask for possibilities)

### What can we offer?

#### Our Private label basic package:

- Neutral packaging with your own designed product sticker
- Neutral manual
- Your own product labels
- Standard lamp and spare parts

#### Optional extensions:

- Full colour packaging
- Customized product colour
- Your own manual
- Private label UV-C lamp (fitting colour/logo)
- Private label UV-C lamp (with own fitting)

*Other wishes negotiable*



## Overview complete VGE Pro Medium Pressure UV system



### What makes the VGE Pro UV-C systems unique?

- VGE Pro UV-C units are equipped with a 316L Stainless Steel reactor or a high quality HDPE reactor.
- Lamp (re)placement while unit is pressurised.
- Each unit is equipped with transparent parts to monitor the UV-C lamp.
- VGE Pro units can be equipped with a UV-C sensor and/or watertemperature sensor.
- VGE Pro units are equipped with the unique Smart Pin Technology (SPT) (patented technology) for easy and safe lamp (re)placement without disconnecting electrical connection.
- Low pressure amalgam lamps for high performance levels, irrespective of the temperature of the water.
- Extreme high quality lamps with a lifetime up to 16.000 hours!
- Single systems can handle flows ranging from 0,5 m<sup>3</sup>/h up to 550 m<sup>3</sup>/h.
- Customization of the device to your own specifications possible.



### Single-end Bayonet Technology (SBT)

The lamp base is equipped with a bayonet technology closure. The lamp itself is single-ended which not only makes it easy to install and replace but also requires service space at only one side of the irradiation chamber.

#### Benefits SBT

- Easy to (re)place
- Visual lamp indication in the lamp head
- Fast lamp (re)placement without tools
- Long lamp life

### VGE Pro UV control units

The VGE Pro Medium Pressure UV systems can be controlled by two different systems: the Compact and Comfort controller.

The Compact controller is suitable for the Multimax and 600-85 medium pressure units. The Compact is a basic controller equipped with a LED lamp life indicator.

The Comfort controller is suitable for the 600-85 up to 3000-326 medium pressure units. It is compatible with a UV sensor and temperature sensor. The controller is available in different languages.



### UV-C & temperature sensor

VGE Pro UV-C units can be equipped with a UV-C & temperature sensor. These digital sensors can be delivered in teflon (only the UV-C sensor) or stainless steel. The VGE Pro control monitors are designed to work with these UV-C & temperature sensors.

### Benefits Medium Pressure UV

The VGE Pro product range has low pressure and medium pressure UV lamp based systems. The medium pressure UV lamps emit a wide spectrum of Ultraviolet (UV) light which not only gives very good disinfection results but is also excellent for photolysis applications like the reduction of chloramine in pool applications. The single ended lamp in combination with the S.B.T. (Single-end Bayonet Technology) and the on-chamber visual lamp status indication makes the systems extremely user friendly. We offer different systems with medium pressure lamps ranging from 400 W up to 3.5 kW.

- Compact design
- Cross flow irradiation chamber design with low pressure loss
- Easy to (re)place single ended lamp
- Effective chloramine reduction

## Overview complete VGE Pro Low Pressure UV systems



### Benefits INOX UV

The high quality 316L stainless steel reactor of the VGE Pro INOX series have been designed to perform. After the high quality welding process the units are leak tested. After this process they get a pickling and passivation treatment which drastically improves the corrosion resistance and lifetime of the unit. Another last treatment with glass pearls (shot peening) gives the units a nice, matt grey surface.

- High corrosion resistance
- Easy to install
- UV radiation reflection



### MORE INFORMATION

Scan the QR-code or go to:  
[www.vgepro.com/knowledge-center/downloads/vge-pro/](http://www.vgepro.com/knowledge-center/downloads/vge-pro/)

## MORE INFORMATION

Visit [www.vgepro.com](http://www.vgepro.com) or contact our product specialists at +31 88 222 1999



**VGE PRO**  
UV DISINFECTION SOLUTIONS



### Benefits HDPE UV

The high quality HDPE reactors of VGE Pro HDPE series have been designed to treat highly corrosive water. Besides that, HDPE is resistant to UV radiation. They are suited for all kinds of disinfection and UV-C treatment applications and can even be used for the production of ultrapure water, semiconductor-, pharmaceutical- and cosmetic industry.

- UV radiation resistant
- Suitable for corrosive water
- Easy to install



### Smart Pin Technology (SPT)

The VGE Pro UV-C Disinfection systems are equipped with the unique Smart Pin Technology (SPT). This innovative system is a reliable way to integrate the UV-C lamp(s) in a safe, efficient and smart way in a reactor. The SPT makes it possible to replace the lamp safely, although the system is filled with water and pressurized.

#### Benefits SPT

- Prevents the release of harmful UV-C radiation
- Changing the UV-C lamp with water in the system
- Resistant to corrosion
- Splash proof
- Visual inspection for operation of the lamp
- Clamping system for optimal seal function
- Lamp replacement without tools



# Blue Lagoon supports promotional activities

[www.bluelagoonuvc.com](http://www.bluelagoonuvc.com)

## Blue Lagoon promotional activities support

At VGE B.V. we realize it's not always easy for wholesalers to convince (potential) customers of new technologies and the latest products they have in stock. New and improved technologies emerge at a high pace. It can be difficult to stay up-to-date with the latest innovations of UV-C pool disinfection systems and pool supplies - let alone convince customers why they should buy them. That's why VGE B.V. came up with Marketing Packages.

To fully prepare for the upcoming pool season and to support promotional activities, Blue Lagoon provides her customers with Marketing Packages. Customers receive the Blue Lagoon catalogue, UV-C marketing pack and the Pool supplies marketing pack.

In the files they can find:

- Brochures
- Catalogue text and pictures in order to update catalogue/website content
- Product flyers to share with the public
- Product sheets to understand the technology
- The 6 benefits of UV-C disinfection systems for pools
- Spare part overviews
- Video's

## Blue Lagoon accelerates your delivery time

As a professional in the pool industry, your challenge is to deliver products in time, all the time. Your challenge is to minimize the time between receipt of a customer order and receipt of the goods from the manufacturer or supplier. That's why at Blue Lagoon, our goal is to accelerate your delivery time and therefore your customer service. One of the top priorities is the continuous increase of our performances. One way to enable this is by constantly improving our time to market.

This way you are able to:

- Control your planning more adequately
- Manage your stock better

Currently, we deliver to more than 70 countries worldwide. As transparency is highly valued with Blue Lagoon, appointments considering delivery and service are always predetermined.

Our service benefits are clear, now it's time to share them with the world! If you require any other information, knowledge of our products or other promotional material, simply contact us and let us know.

## Promote Blue Lagoon UV in your store!



B300007 +  
BE02752 DUMMY



B300007 +  
BH01752 DUMMY



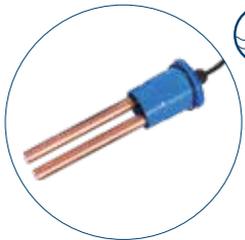
B300007 +  
BH11752 DUMMY

<b>Article number</b>	BE02752 DUMMY
<b>Art. description</b>	Blue Lagoon Tech UV-C 75W (Dummy)
<b>Price Dummy</b>	€ 50,00

<b>Article number</b>	BH01752 DUMMY
<b>Art. description</b>	Blue Lagoon Timer UV-C 75W (Dummy)
<b>Price Dummy</b>	€ 65,00

<b>Article number</b>	BH11752 DUMMY
<b>Art. description</b>	Blue Lagoon Signal UV-C 75W (Dummy)
<b>Price Dummy</b>	€ 60,00

<b>Article number</b>	B300007
<b>Art. description</b>	Informative mounting plate for dummy
<b>Size</b>	60x120
<b>Price Plate</b>	€ 35,00



The Blue Lagoon Copper Electrolyzer ensures clean and healthy pool water through copper electrolysis. It is recommended to use the Copper Electrolyzer in combination with a UV-C disinfection system for optimal results.

## Advantages of the Blue Lagoon Copper Electrolyzer

- The copper unit will last for two swimming seasons
- Easy installation and maintenance
- Ideal for use in combination with UV-C
- Made in the Netherlands

### What is the disinfection mechanism of copper ionization?

Electrically charged copper ions (Cu<sup>2+</sup>) in the water search for particles of opposite polarity, such as bacteria, viruses and fungi. Positively charged copper ions form electrostatic compounds with negatively charged cell walls of microorganisms. These compounds disturb the cell wall permeability and cause nutrient uptake to fail. As a result, bacteria are no longer able to multiply and eventually die. The ions remain active until they are absorbed by a microorganism.

## Operation

The Blue Lagoon Copper Electrolyzer will disinfect the water in your swimming pool through copper electrolysis. We recommend to use this device in combination with a UV-C device for the best result. The Blue Lagoon Copper Electrolyzer will, before the water goes back to the pool, be mounted between the pipes. The swimming pool water then flows through the housing of the Blue Lagoon Copper Electrolyzer. A copper unit, or Electrolyzer, is positioned within the housing, and the copper unit discharges a minimal amount of copper into the water flowing through the housing. These copper ions (Cu<sup>2+</sup>) in the water have a positive charge and destroy the cell walls of algae, bacteria, viruses and other microorganisms. As the cell wall is thereby damaged, these organisms are no longer able to take up any nutrients and are therefore unable to multiply. The process of applying a positive charge to copper is called copper electrolysis. The copper in the water acts as a disinfecting buffer in your swimming pool. Thanks to the Blue Lagoon Copper Electrolyzer, your swimming pool water will be disinfected efficiently and safely and the quality of your water will remain excellent.



## Technical specifications

	<b>COPPER ELECTROLYZER</b>
Item code	BE05752
EAN	8714404039017
Max. pressure	1 bar
Max. flow	13.000 L/h
Length unit	34 cm
Diameter unit Ø	59 mm
Diameter in-outlet Ø	48/50 mm
Electronic ballast	230 V AC 50 Hz
Weight	2,32 Kg
Quantity full pallet	60 pcs
Copper ionizer	0,7 ppm

Please refer to page 55 for spare parts

# Flow Switch Plus



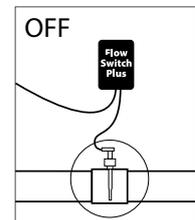
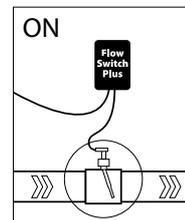
The Flow Switch Plus is the ideal protection for a UV-C disinfection system in your pool installation. It will turn off the lamp at insufficient water flow.

## Advantages of the Blue Lagoon Flow Switch Plus

- Prevents systems from running without flow
- Easy installation thanks to the compact design
- Easy to combine
- Also suitable for salt-water systems

## Operation

The Flow Switch Plus is the ideal protection for an electrical device in your pool installation, such as a UV-C device or other device rated at up to 10 amps, for which it is desirable that it is switched off once the water flow stops. Thanks to the compact design, the Flow Switch Plus is very easy to install. Using the special tee fitting, the flow switch can be easily integrated into your new or existing piping.



TYPE B



TYPE E



TYPE F



TYPE G

## Technical specifications

	<b>FLOW SWITCH PLUS 120 V (TYPE B)</b>	<b>FLOW SWITCH PLUS 230 V (TYPE E)</b>	<b>FLOW SWITCH PLUS 230 V (TYPE F)</b>	<b>FLOW SWITCH PLUS 230 V (TYPE G)</b>
Item code	5056584	5056586	5056579	5056587
Type mains socket	Type B	Type E	Type F	Type G
Voltage	120 V AC	230 V AC	230 V AC	230 V AC
Frequency	60 Hz	50 Hz	50 Hz	50 Hz
IP class	54	54	54	54
Connection size, tee fitting	2"	63 mm	63 mm	2"
Minimum flow	5.8 gpm	1.5 m <sup>3</sup> /h	1.5 m <sup>3</sup> /h	1.5 m <sup>3</sup> /h
Maximum flow	100 gpm	23 m <sup>3</sup> /h	23 m <sup>3</sup> /h	23 m <sup>3</sup> /h



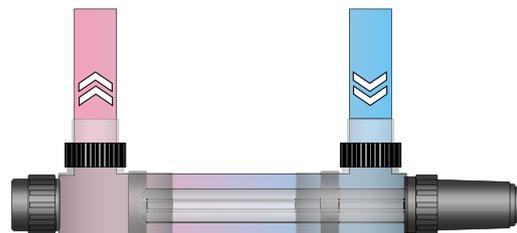
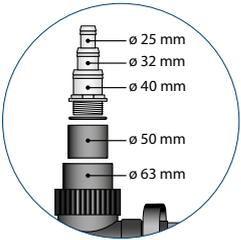
The Blue Lagoon ProfiHeater is very suitable for warming up water. The heater is very easy to install in and around filter installations and applicable for various pools.

### Advantages of the Blue Lagoon ProfiHeater

- Built-in heating element with thermostat
- 316L stainless steel body
- Universal fittings included
- Made in the Netherlands

### Operation

The ProfiHeater can be used for warming up your swimming pool water. The ProfiHeater is equipped with an adjustable thermostat. Both the heating element with temperature sensor and the interior of the casing are manufactured from high-quality 316L stainless steel. The ProfiHeater can be connected using a flexible hose (Ø25, 32 and 40 mm) or PVC tubing (Ø50 and 63 mm). The ProfiHeater is available in 3kW. Max. pressure: 2 bar. It is advised to use a Flow Switch Plus to prevent overheating of the unit at insufficient water flow.



### Technical specifications

**PROFIHEATER 3 kW**

Art. Number	E830010
EAN	8714404034173
Max. pressure	2 bar
Max. flow	10.000 L/h
Length unit	56 cm
Diameter in-outlet Ø	63-50-40-32-25mm
Weight	3,5 Kg
Quantity full pallet	40 pcs

Please refer to page 57 for spare parts

The Blue Lagoon Dosatech is the ideal peristaltic pump for dosing of liquids (floculant, natrium bicarbonate) into the piping system of your swimming pool. Due to its 3-button controller, the Dosatech is very easy to program and operate.

## Advantages of the Blue Lagoon Dosatech

- Very easy 3-button operation and programming
- External automation possible for one or more dosage pumps
- Dosage up to max. 600 seconds per turn.  
Maximum 24 runs per day.
- The possibility to change the dosage every hour
- Neoprene hose
- Easy to install and easy to maintain
- Compact design
- Easy to combine with a Blue Lagoon UV-C unit
- Suction and injection nipples supplied
- Made in the Netherlands

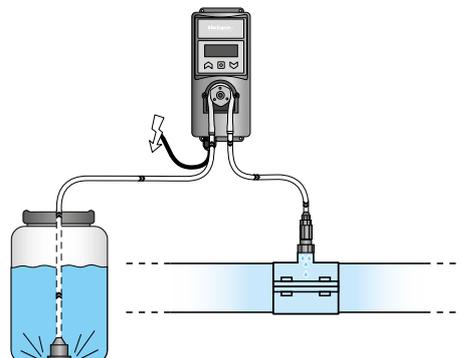
## Operation

The Blue Lagoon Dosatech is the ideal peristaltic pump for dosing a liquid solution (floculant, natrium bicarbonate) into the piping system of your swimming pool. The neoprene hose makes it possible to add various types of chemical solutions to the water of your swimming pool. Due to its 3-button controller, the Dosatech is very easy to program and operate. The Blue Lagoon Dosatech makes a dosage up to 600 seconds per dosing, up to 24 times a day, possible. In addition, the Blue Lagoon Dosatech is easy to install thanks to the compact design and the supplied suction and injection nipples. Installation is also possible in combination with a (existing) Blue Lagoon UV-C system.



## Technical specifications

DOSATECH	
Art. Number	B210010N
EAN	8714404987417
Dimensions LxWxH	80x90x215mm
Consumption	5 W
Rotation	30 rpm
Voltage	230 V
Frequency	50/60 Hz
Weight	1,5 kg
Quantity full pallet	120 pcs



Please refer to page 56 for spare parts



Examples of Stainless Steel 316L devices, which are damaged by corrosive water and/or grounding problems. These are no manufacturing or material faults, so they are not covered under warranty.

## Corrosion of metal parts and devices in swimming pools

Although most devices, ladders, etc. in swimming-pools are made of stainless steel, oxidation is still possible. There are two important causes for corrosion:

1. Insufficient grounding of pool water (pool bonding)
2. Corrosive water

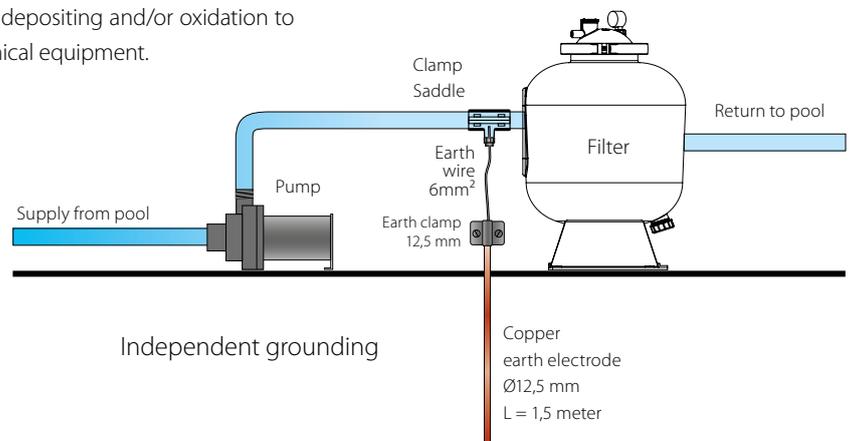
### Grounding

Every pool must be grounded independently (i.e. not to the electricity network). This in particular for fibreglass/polyester pools, pools with salt electrolysis and pools with stainless steel parts (pool ladders, UV-C units, etc.). A special grounding set ensures that potential differences created by static electricity, will be lead away. This will prevent depositing and/or oxidation to the pool, parts or technical equipment.



### Salt

For Stainless steel 316 devices (such as UV-C lamps) the **maximum salt concentration is 5 grams/liter** for salt electrolysis systems.



### Corrosive water

The tap water that is used to (re)fill up the pools normally has a constant and known composition. By adding chemical products for disinfection, pH regulation and by heating and moving the water, this composition changes. Pool water might turn corrosive (calcium dissolving) and can slowly dissolve the existing lime (in concrete and in joints between the tiles). Metals (ladders, heaters, UV-C devices, etc.) can also be affected.

Reversely, the water can also have calcium precipitating characteristics that can turn the water cloudy and the walls and floors can be covered by lime scale deposits.

calcium carbonate stability of water. It indicates whether the water will precipitate, dissolve or be in equilibrium with calcium carbonate. The LSI is expressed as the difference between the actual system pH and the saturation pH.

The formula is as follows:  $pH + TF + AF + CF - 12,1$

- pH The measured pH-value of the pool water
- TF The influence of the water temperature in the formula
- AF The influence of the alkalinity in the formula (measured as hydrogen carbonate  $HCO_3^-$  - or as calcium carbonate  $CaCO_3$ )
- CF The influence of the hardness of calcium (measured as calcium carbonate)

To determine, whether the water is neutral, corrosive or calcium precipitating, you can use the so-called "Langelier Saturation Index". The Langelier saturation index (LSI) is a calculated number used to predict the



## Chart of factors

°C	TF	CAC03 MG/L	AF	CAC03 MG/L	CF
0	0,0	25	1,4	25	1,0
3	0,1	50	1,7	50	1,3
8	0,2	75	1,9	75	1,5
12	0,3	100	2,0	100	1,6
16	0,4	150	2,2	150	1,8
19	0,5	200	2,3	200	1,9
24,5	0,6	300	2,5	300	2,1
29	0,7	400	2,6	400	2,2
34,5	0,8	800	2,9	800	2,5
40,5	0,9	1000	3,0	1000	2,6

- According to this calculation, water in balance should be within the range of -0.3 en +0.3.
- Values below -0.3 indicate corrosive water.
- Values above +0.3 indicate lime precipitating water.

## Examples

PARAMETER	MEASURING VALUE	FACTOR
pH-value	7,4	7,4
Temperature	28	0,7
Total alkalinity	150mg/l CaCO <sub>3</sub>	2,2
Calcium hardness	150mg/l CaCO <sub>3</sub>	1,8
<b>Sum of factors</b>		<b>12,1</b>

$$\text{pH} + \text{TF} + \text{AF} + \text{CF} - 12,1$$

$$(7,4 + 0,7 + 2,2 + 1,8) - 12,1 = 0,0$$

Water is in balance, no correction necessary

## Examples

PARAMETER	MEASURING VALUE	FACTOR
pH-value	7,8	7,8
Temperature	29	0,7
Total alkalinity	195mg/l	2,3
Calcium hardness	127mg/l	1,7
<b>Sum of factors</b>		<b>12,5</b>

$$\text{pH} + \text{TF} + \text{AF} + \text{CF} - 12,1$$

$$(7,8 + 0,7 + 2,3 + 1,7) - 12,1 = 0,4$$

Water is lime precipitating, correction is necessary

## Examples

PARAMETER	MEASURING VALUE	FACTOR
pH-value	7,1	7,1
Temperature	30	0,7
Total alkalinity	100mg/l	2
Calcium hardness	150mg/l	1,8
<b>Sum of factors</b>		<b>11,6</b>

$$\text{pH} + \text{TF} + \text{AF} + \text{CF} - 12,1$$

$$(7,1 + 0,7 + 2 + 1,8) - 12,1 = -0,5$$

Water is corrosive, correction is necessary

### Correction in case of a too low saturation index

In case of a negative saturation index, below -0.3, a correction is recommended. The saturation index must be increased. This can be realised by increasing the sum of factors, by increasing one or more parameter values.

### The measuring values are

- pH-value up to max. 7,6
- Alkalinity up to max. 300 mg CaCO<sub>3</sub>/l
- Calcium hardness up to max. 200 mg CaCO<sub>3</sub>/l

### pH-value

An increase of the pH value with caustic soda or soda can be used as a short-time solution. For a good disinfection result a pH value between 7.1 and 7.3 is the best.

### Alkalinity

The increase of alkalinity can be achieved by increasing the hydrogen carbonate content of the water with the help of sodium bicarbonate. If a too low hydrogen carbonate content is the case, it might be caused by a low HCO<sub>3</sub> content or by regular loss of the carbonic acid compounds as consequence of water movement or air geysers, you should add a solution of sodium bicarbonate with a dosing system.

### Calcium Hardness

Tap water with a low hardness often lack carbonic acid compounds, besides low calcium- and magnesium compounds. As a result a negative saturation index might occur. The concentration of calcium compounds in the water can be increased by adding calcium chloride to the water.

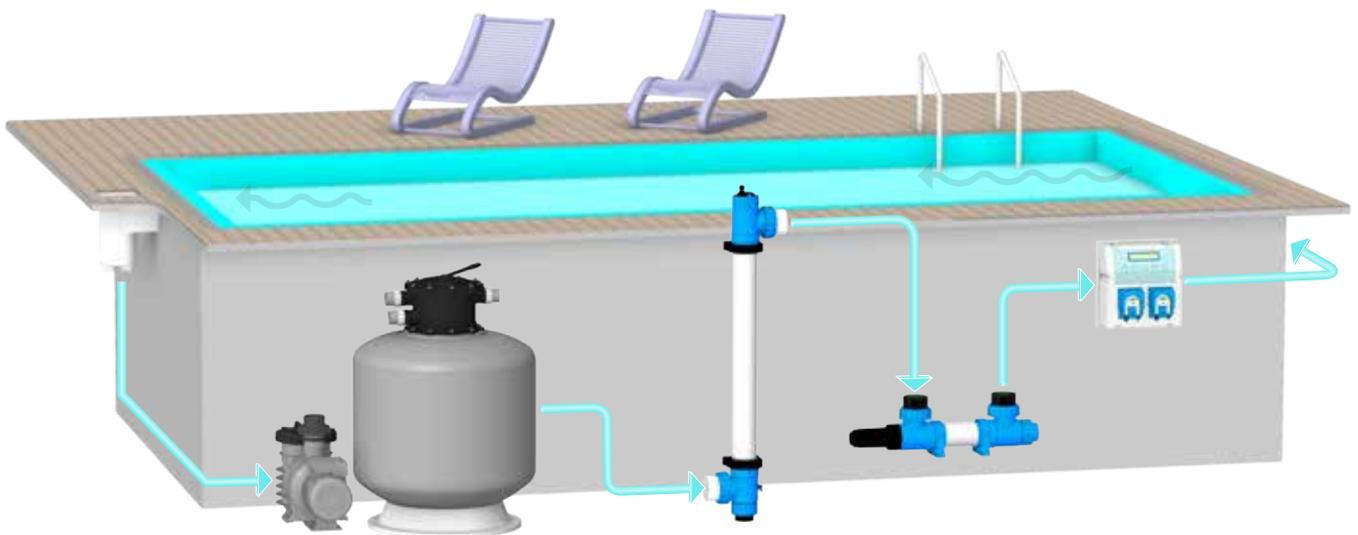
### Correction of a too high saturation index

In case of a positive saturation content of more than +0.3, the saturation index has to be reduced to the value preferred. In contrast to the increase of the saturation factor, the possibility of reduction is more restricted. The reduction of the HCO<sub>3</sub> content is possible by intensive aeration in combination with an automatic pH-correction. The reduction of the calcium hardness is only possible through total or partial water softening with a water softener.

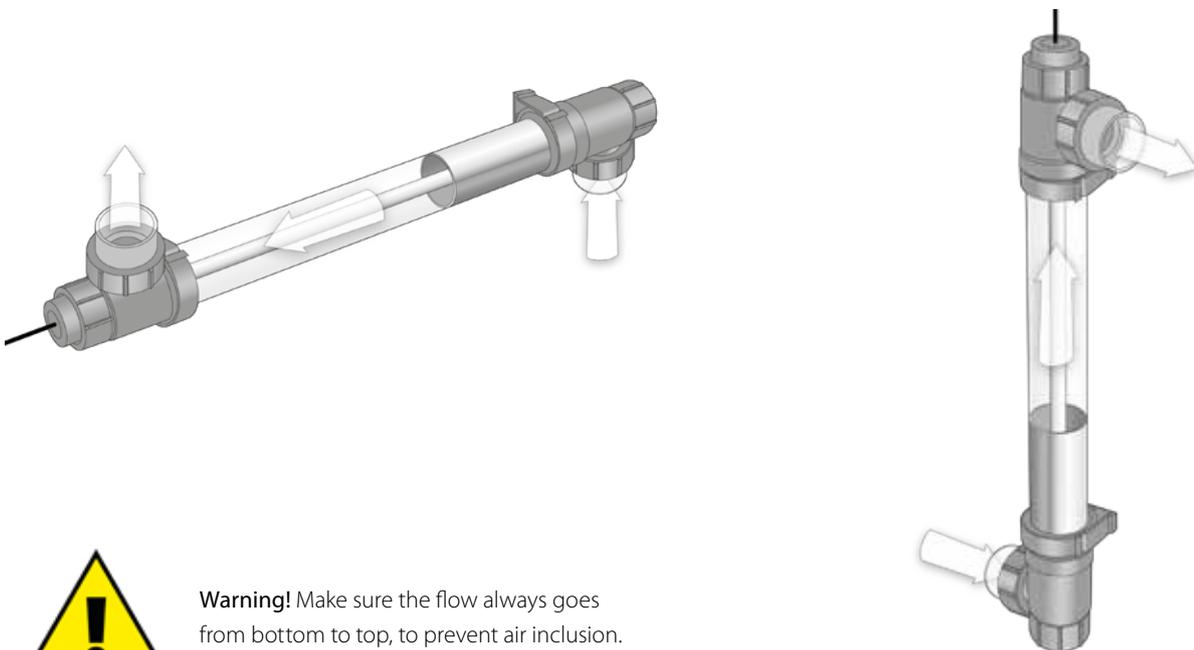
**In case of extreme low values for hydrogen carbonate there is a present danger that pH values sink under 5.0. In case of such a value, "chlorine" in the water will be partly available as chlorine gas. Chlorine gases in the water might lead to serious poisoning!**

# Installation examples

## Possible installation



## Possible installation and flow direction

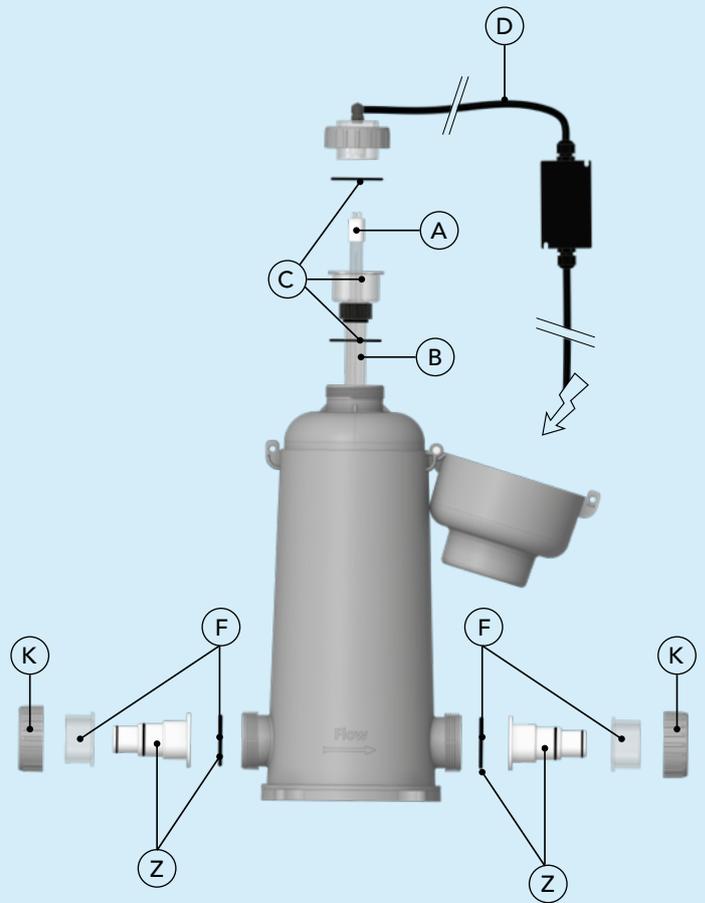


**Warning!** Make sure the flow always goes from bottom to top, to prevent air inclusion.

Please refer to page 6 for the product information

## Blue Lagoon Xpose UV-C

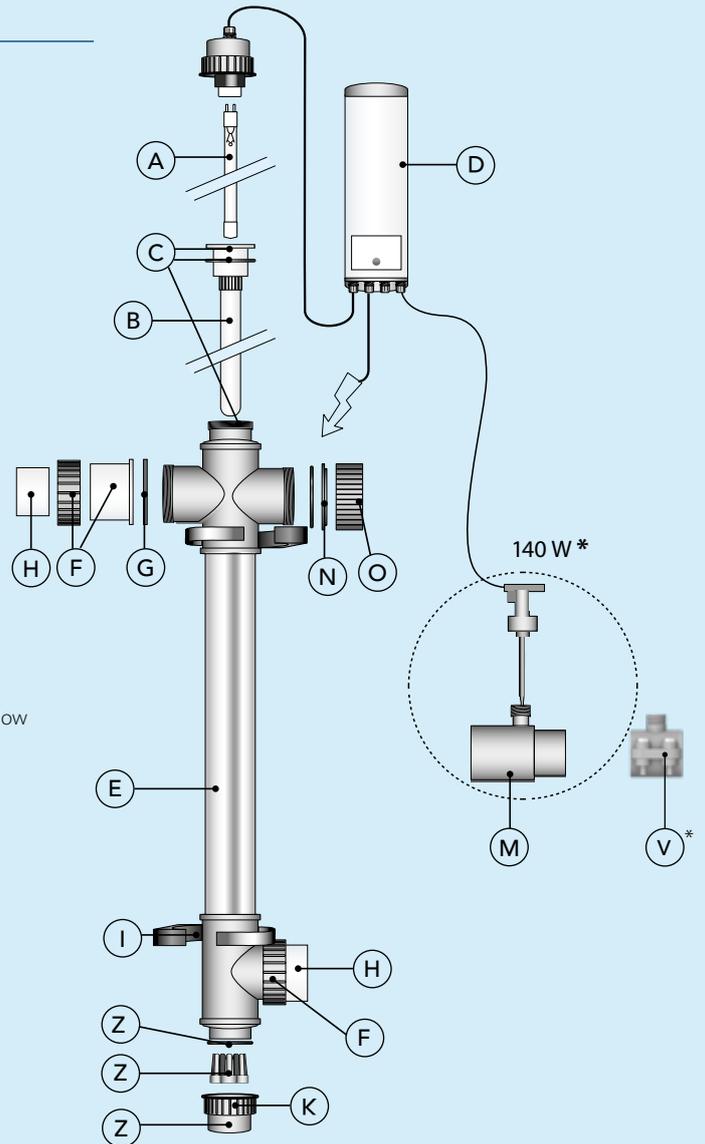
ART. NUMBER	DESCRIPTION
<b>BE09422</b>	<b>Blue Lagoon Xpose UV-C 42 W</b>
3903114AM	<b>A</b> Lamp VGET5 42W Base Y AM Packed
QG129	<b>B</b> Quartz Glass VSC 478 x 25 mm AM
E800912	<b>C</b> O-Ring for quartz sleeve (3 pieces)
SP0080	<b>D</b> Electrics for Blue Lagoon Xpose 42 W
SP0078	<b>F</b> Reduction piece 63mm out 50mm (2 pieces) + O-Ring for 3-way connection (2 pieces)
SP0079	<b>K</b> Nut for end cap Blue Lagoon Xpose + O-Ring (2 pieces)
SP0077	<b>Z</b> Reduction pieces 63mm out 38 and 32mm (2 pieces) + O-ring (2 pieces)



Please refer to page 8 for the product information

## Blue Lagoon Xpert Duplex UV-C

ART. NUMBER	DESCRIPTION
<b>BP08752</b>	<b>Blue Lagoon Xpert Duplex UV-C 80 W</b>
<b>BP08132</b>	<b>Blue Lagoon Xpert Duplex UV-C 140 W Amalgam</b>
F980010	A Lamp VGE T5 80 W 4P Base X
F980020	A Lamp VGE T6 140 W Amalgam 4P Base X
QG015	B Quartz Glass VSC 933 x 25 mm 40/75/80 W AM
QG012	B Quartz Glass VSC 920 x 30 mm 130 / 140 W AM
E800912	C Set (3pcs) O-ring for quartz glass
EP080008	D Electrics for Blue Lagoon Xpert Duplex UV-C 80 W
EP130021	D Electrics for Blue Lagoon Xpert Duplex UV-C 140 W incl. flow switch
H170004	E Housing Blue Lagoon Xpert UV-C duplex 80 W / 140 W
B915000	F Set (2pcs) 3-way connection blue 63 mm
E800944	F Set (2pcs) 3-way connection USA / UK 60½ mm
E800941	G Set (2pcs) O-rings 3-way connection
F990115	H Reduction piece 1.5" female threaded x 63 mm out/ 50 mm in ABS
E801107	I Mounting bracket 75 mm PP black
B290010	K Nut 70 mm x 33.5 mm for end cap ABS Blue
B290020	M Reduction piece 63/63 3/4" male thread for flow switch
B290021	M Reduction piece 60.3/60.3 3/4" USA/UK male thread for flow switch
F990196BU	N Closing lid black
B290009	O Nut 83.5 mm x 32 mm ABS Blue
	O-ring EPDM 59.99x2.62
SP0073	Z Quartz Glass Stabilizer End cap black 32mm



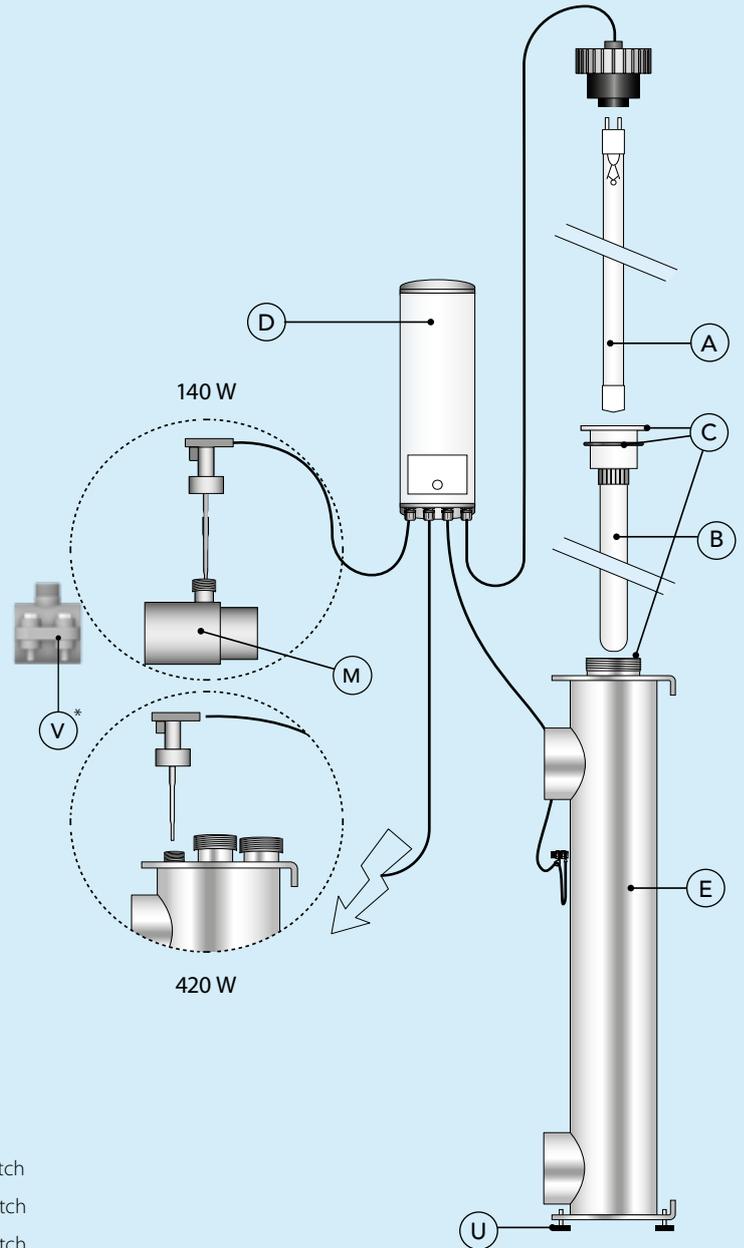
\* Optional

B290177	V Tapping saddle <b>50x3/4"</b> male thread for flow switch
B290170	V Tapping saddle <b>63x3/4"</b> male thread for flow switch
B290176	V Tapping saddle <b>75x3/4"</b> male thread for flow switch

Please refer to page 9 for the product information

## Blue Lagoon Xpert Buster UV-C

ART. NUMBER	DESCRIPTION
<b>BP07082</b>	<b>Blue Lagoon Xpert Buster UV-C 80 W Amalgam</b>
<b>BP07132</b>	<b>Blue Lagoon Xpert Buster UV-C 140 W Amalgam</b>
<b>BP07392</b>	<b>Blue Lagoon Xpert Buster UV-C 420 W Amalgam</b>
F980010	Lamp VGE T5 80 W 4P Base X
F980020	Lamp VGE T6 140 W Amalgam 4P Base X
QG075	Quartz Glass VSC 870 x 30 mm 140 W AM
E800912	Set (3pcs) O-ring for quartz glass
EP080020	Electrics for BL Xpert Buster UV-C 80 W
EP130016	Electrics for BL Xpert Buster UV-C 140 W incl. flow switch
EP390005	Electrics for BL Xpert Buster UV-C 420 W incl. flow switch
B212130	Housing for BL Xpert Buster UV-C 80 W
B212131	Housing for BL Xpert Buster UV-C 140 W
B212120	Housing for BL Xpert Buster UV-C 420 W
B290020	Reduction piece 63/63 mm 3/4" male threaded for flow switch
B290021	Reduction piece 60.3/60.3 mm 3/4" USA/UK male threaded for flow switch
E801533	Adjustable foot stainless steel M8



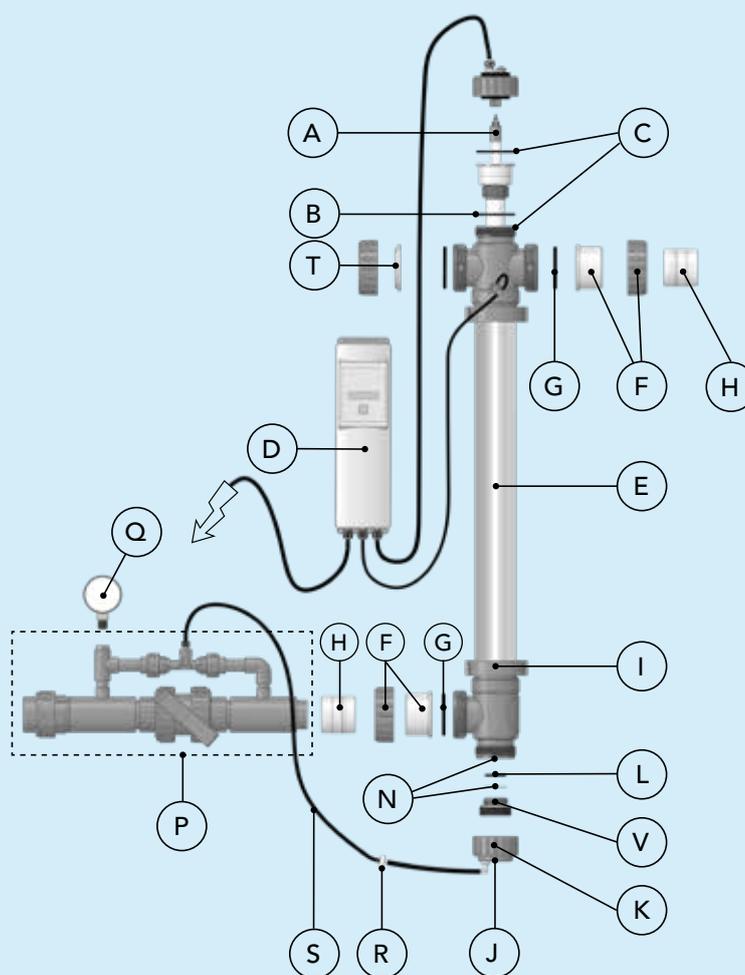
\* Optional

B290177	V Tapping saddle <b>50x3/4"</b> male thread for flow switch
B290170	V Tapping saddle <b>63x3/4"</b> male thread for flow switch
B290176	V Tapping saddle <b>75x3/4"</b> male thread for flow switch

Please refer to page 10 for the product information

## Blue Lagoon **AOP Compact Ozone & UV-C 2.0**

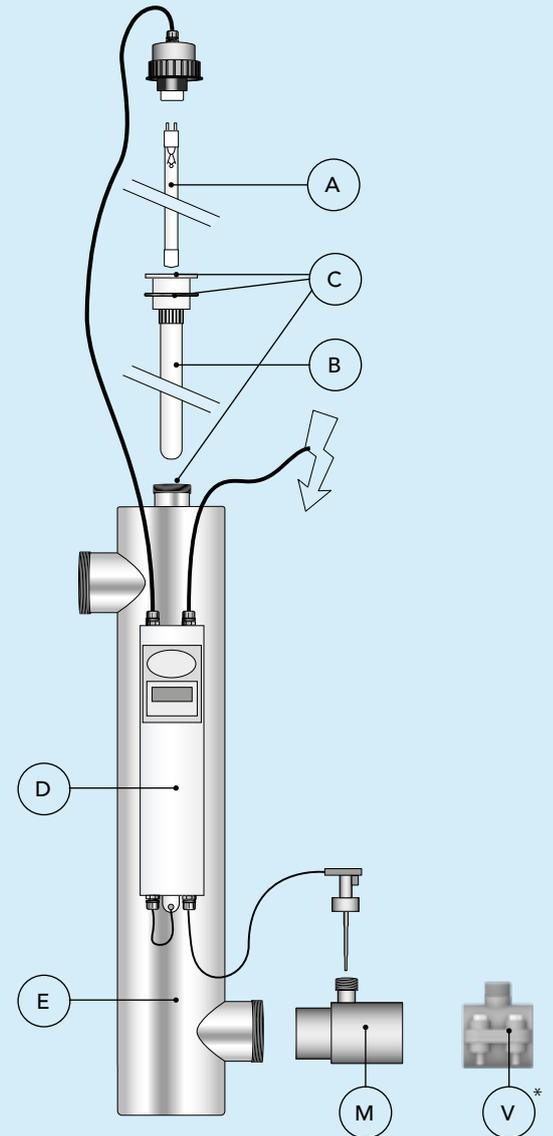
ART. NUMBER	DESCRIPTION
<b>BH12752</b>	<b>Blue Lagoon Xpert AOP Compact Ozone &amp; UV-C 75 W V2.0</b>
4800033	<b>A</b> Lamp VGET5 75 W Ozon Base H
QG109	<b>B</b> Quartz Glass VSC 925 x 30 mm open end AM
E800912	<b>C</b> O-Ring for quartz sleeve (3 pieces)
EP075070	<b>D</b> Electrics for BL Xpert AOP Compact Ozone & UV-C 75 WV2.0
H170024	<b>E</b> Housing BL Xpert AOP Compact Ozone & UV-C 75 WV2.0
B915000	<b>F</b> Set (2pcs) 3-way connection blue 63 mm
E800944	<b>F</b> Set (2pcs) 3-way connection USA / UK 60½ mm
E800941	<b>G</b> Set (2pcs) O-rings 3-way connection
F990115	<b>H</b> Reduction piece 1.5" female threaded x 63 mm out/ 50 mm in ABS
B290006	<b>I</b> Mounting bracket 75 mm PP Blue
F990103	<b>J</b> End cap with air plug for BL Xpert AOP Compact Ozone & UV-C 75 W V2.0
B290010	<b>K</b> Nut 70 mm x 33.5 mm ABS Blue
3902158	<b>L</b> O-ring NBR 57 mm x 2.5 mm
3901013	<b>V</b> Open Glass adapter T-piece ABS Black
3902269	<b>N</b> Sealing set BL Xpert AOP Compact Ozone & UV-C 75 WV2.0
4800068	<b>P</b> Venturi unit BL Xpert AOP Compact Ozone & UV-C (excl. manometer)
4800099	<b>Q</b> Venturi unit BL Xpert AOP Compact Ozone & UV-C (excl. manometer)
4800145	<b>R</b> Ozone Viton Check valve + hose (Short 16 cm + 72 cm)
4800020	<b>S</b> PU hose black for ozone
F990196BU	<b>T</b> Closing lid black



Please refer to page 12 for the product information

## Blue Lagoon **Inox UV-C**

ART. NUMBER	DESCRIPTION
<b>BP02752</b>	<b>Blue Lagoon INOX UV-C 75 W</b>
<b>BP02132</b>	<b>Blue Lagoon INOX UV-C 130 W Amalgam</b>
E800902P	Lamp Philips TUV 36T5 75 W HO 4P-SE Base C AM
E800904	A Lamp Philips TUV XPT 130 W 4P-SE Amalgam Base E
QG015	B Quartz Glass VSC 933 x 25 mm 40/75/80 W AM
QG012	B Quartz Glass VSC 920 x 30 mm 130 / 140 W AM
E800912	C Set (3pcs) O-ring for quartz glass
EP075010.1	D Electrics for BL UV-C INOX 75 W incl. flow switch
EP130007	D Electrics for BL UV-C INOX 130 W amalgam incl. flow switch
B212002	E Housing for Blue Lagoon Inox UV-C
B290020	M Reduction piece 63/63 mm 3/4" male threaded for flow switch
B290021	M Reduction piece 60.3/60.3 mm 3/4" male threaded for flow switch



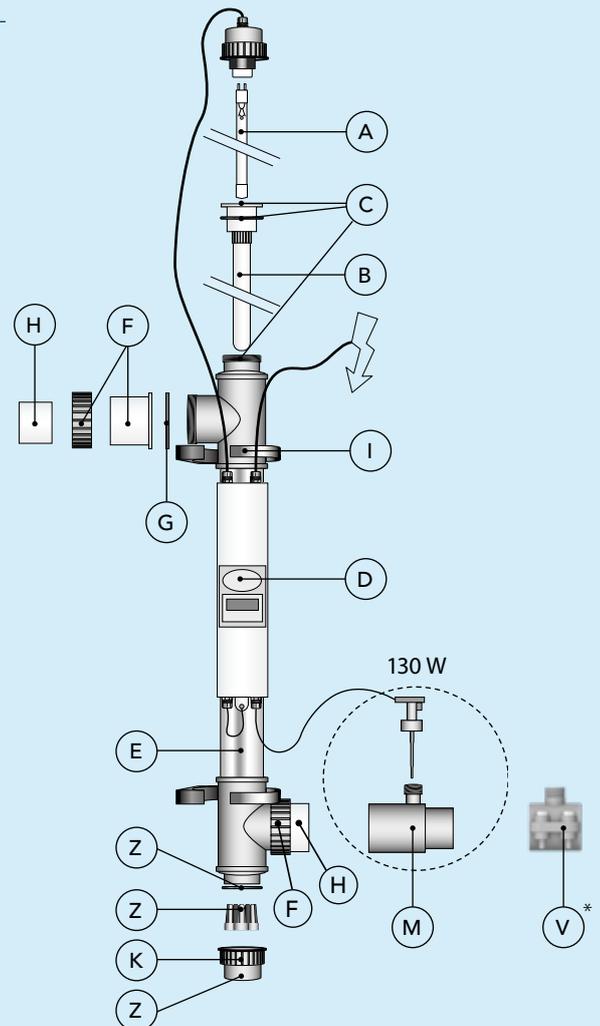
\* Optional

B290177	V Tapping saddle <b>50x3/4"</b> male thread for flow switch
B290170	V Tapping saddle <b>63x3/4"</b> male thread for flow switch
B290176	V Tapping saddle <b>75x3/4"</b> male thread for flow switch

Please refer to page 13 for the product information

## Blue Lagoon **Timer UV-C**

ART. NUMBER	DESCRIPTION
<b>BH01402</b>	<b>Blue Lagoon Timer UV-C 40 W</b>
<b>BH01752</b>	<b>Blue Lagoon Timer UV-C 75 W</b>
<b>BH01132</b>	<b>Blue Lagoon Timer UV-C 130 W Amalgam</b>
E800901P	Lamp Philips TUV 36T5 40 W 4P-SE Base C
E800902P	<b>A</b> Lamp Philips TUV 36T5 75 W HO 4P-SE Base C AM
E800904	Lamp Philips TUV XPT 130 W 4P-SE Amalgam Base E
QG015	<b>B</b> Quartz Glass VSC 933 x 25 mm 40/75/80 W AM
QG012	Quartz Glass VSC 920 x 30 mm 130 / 140 W AM
E800912	<b>C</b> Set (3pcs) O-ring for quartz glass
EP040004	<b>D</b> Electrics for BL UV-C Timer 40 W
EP075006	Electrics for BL UV-C Timer 75 W
EP130006	Electrics for BL UV-C Timer 130 W amalgam
B212003	<b>E</b> Housing Blue Lagoon Timer/Signal UV-C 40/75 W
B910003	Housing Blue Lagoon Timer/Signal UV-C 130 W
B915000	<b>F</b> Set (2pcs) 3-way connection blue 63 mm
E800944	Set (2pcs) 3-way connection <b>USA/UK</b> 60½ mm
E800941	<b>G</b> Set (2pcs) O-rings 3-way connection
F990115	<b>H</b> Reduction piece 1.5" female threaded x 63 mm out/ 50 mm in ABS
B290006	<b>I</b> Mounting bracket 75 mm PP Blue
B290010	<b>K</b> Nut 70 mm x 33.5 mm for end cap ABS Blue
B290020	<b>M</b> Reduction piece 63/63 mm 3/4" male threaded for flow switch
B290021	Reduction piece 60.3/60.3 mm 3/4" male threaded for flow switch
SP0073	<b>Z</b> O-ring EPDM 59.99x2.62 Quartz Glass Stabilizer End cap black 32mm



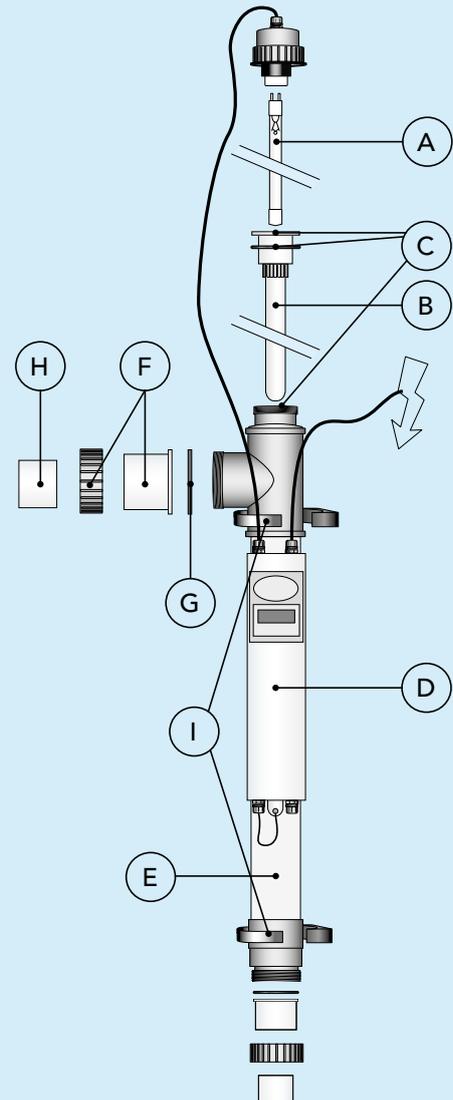
\* Optional

B290177	<b>V</b> Tapping saddle <b>50x3/4"</b> male thread for flow switch
B290170	<b>V</b> Tapping saddle <b>63x3/4"</b> male thread for flow switch
B290176	<b>V</b> Tapping saddle <b>75x3/4"</b> male thread for flow switch

Please refer to page 14 for the product information

## Blue Lagoon Saltwater Timer UV-C

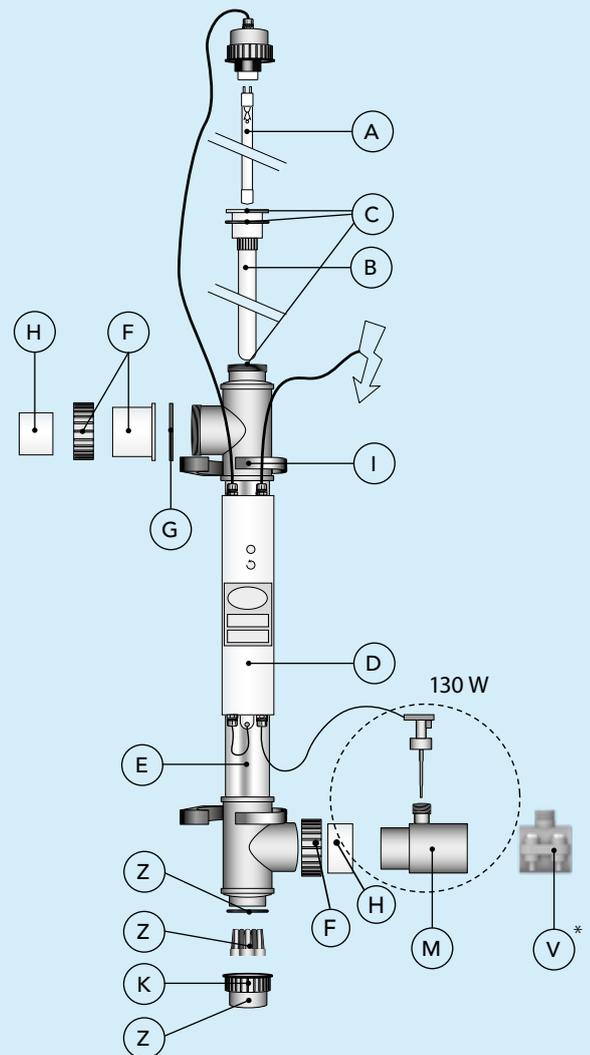
ART. NUMBER	DESCRIPTION
<b>BH10402</b>	<b>Blue Lagoon Saltwater Timer UV-C 40 W</b>
<b>BH10752</b>	<b>Blue Lagoon Saltwater Timer UV-C 75 W</b>
E800901P	Lamp Philips TUV 36T5 40 W 4P-SE Base C
E800902P	A Lamp Philips TUV 36T5 75 W HO 4P-SE Base C AM
QG015	B Quartz Glass VSC 933 x 25 mm 40/75/80 W AM
E800912	C Set (3pcs) O-ring for quartz glass
EP040008	D Electrics for BL UV-C Timer Saltwater 40 W
EP075016	D Electrics for BL UV-C Timer 75 W
B910003ZW	E Housing Blue Lagoon Saltwater Timer UV-C 40/75 W
B915000	F Set (2pcs) 3-way connection blue 63 mm
E800944	F Set (2pcs) 3-way connection USA / UK 60½ mm
E800941	G Set (2pcs) O-rings 3-way connection
F990115	H Reduction piece 1.5" female threaded x 63 mm out/ 50 mm in ABS
B290006	I Mounting bracket 75 mm PP Blue



Please refer to page 15 for the product information

## Blue Lagoon **Signal UV-C**

ART. NUMBER	DESCRIPTION
<b>BH11402</b>	<b>Blue Lagoon Signal UV-C 40 W</b>
<b>BH11752</b>	<b>Blue Lagoon Signal UV-C 75 W</b>
<b>BH11132</b>	<b>Blue Lagoon Signal UV-C 130 W Amalgam</b>
F980002	Lamp VGE T5 40 W 4P Base F
F980004	<b>A</b> Lamp VGE T5 75 W 4P Base F
F980008	Lamp VGE T6 130 W Amalgam 4P Base M
QG015	<b>B</b> Quartz Glass VSC 933 x 25 mm 40/75/80 W AM
QG012	Quartz Glass VSC 920 x 30 mm 130 / 140 W AM
E800912	<b>C</b> Set (3pcs) O-ring for quartz glass
EP040035	Electrics for BL UV-C Signal 40 W
EP075039	<b>D</b> Electrics for BL UV-C Signal 75 W
EP130014	Electrics for BL UV-C Signal 130W
B212003	<b>E</b> Housing Blue Lagoon Timer/Signal UV-C 40/75 W
B910003	Housing Blue Lagoon Timer/Signal UV-C 130 W
B915000	<b>F</b> Set (2pcs) 3-way connection blue 63 mm
E800944	Set (2pcs) 3-way connection USA / UK 60½ mm
E800941	<b>G</b> Set (2pcs) O-rings 3-way connection
F990115	<b>H</b> Reduction piece 1.5" female threaded x 63 mm out/ 50 mm in ABS
B290006	<b>I</b> Mounting bracket 75 mm PP Blue
B290010	<b>K</b> Nut 70 mm x 33.5 mm for end cap ABS Blue
B290020	<b>M</b> Reduction piece 63/63 mm 3/4" male threaded for flow switch
B290021	Reduction piece 60.3/60.3 mm 3/4" male threaded for flow switch
	O-ring EPDM 59.99x2.62
SP0073	<b>Z</b> Quartz Glass Stabilizer End cap black 32mm



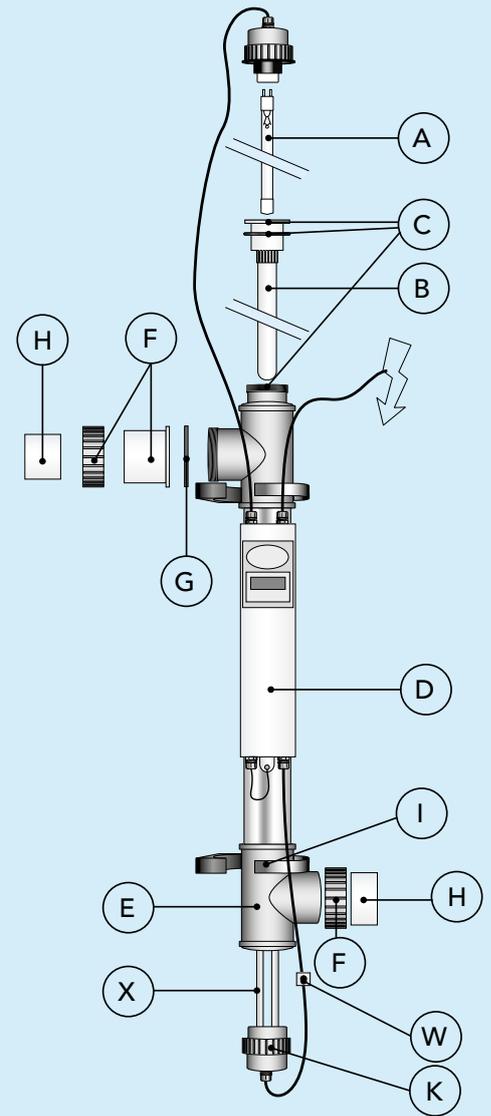
\* Optional

B290177	<b>V</b> Tapping saddle <b>50x3/4"</b> male thread for flow switch
B290170	<b>V</b> Tapping saddle <b>63x3/4"</b> male thread for flow switch
B290176	<b>V</b> Tapping saddle <b>75x3/4"</b> male thread for flow switch

Please refer to page 16 for the product information

## Blue Lagoon Copper Ionizer UV-C

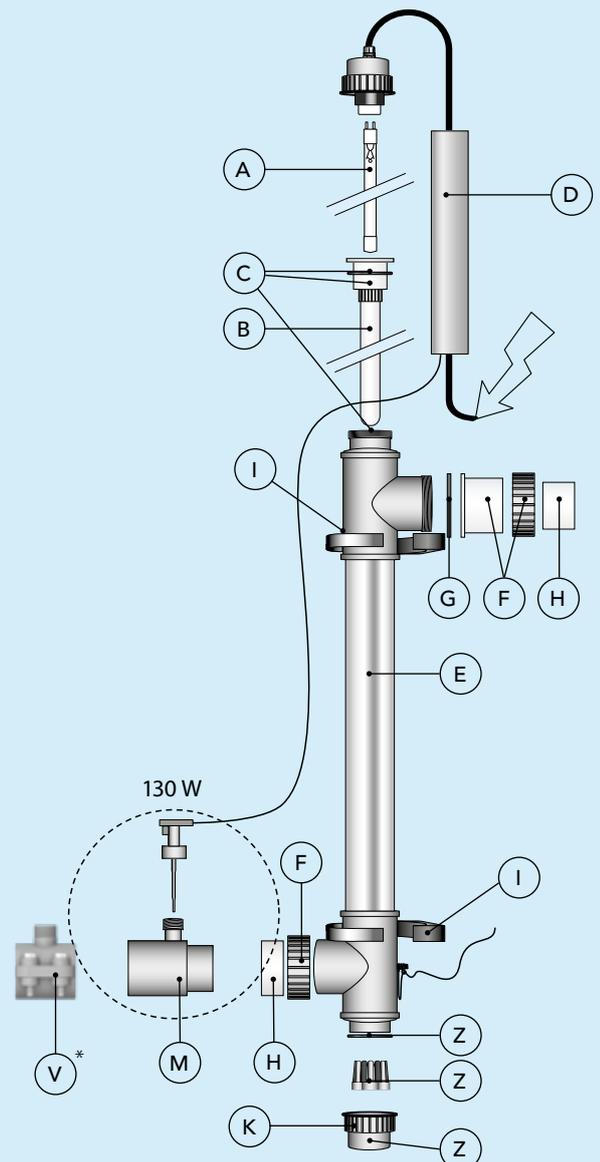
ART. NUMBER	DESCRIPTION
<b>BH04402</b>	<b>Blue Lagoon Copper Ionizer UV-C 40 W</b>
<b>BH04752</b>	<b>Blue Lagoon Copper Ionizer UV-C 75 W</b>
B280002	A Lamp Blue Lagoon T5 40 W Ionizer Base K
B280001	A Lamp Blue Lagoon T5 75 W Ionizer Base K
QG017	B Quartz Glass VSC 695 x 25 mm 40/75 W AM
E800912	C Set (3pcs) O-ring for quartz glass
EP040007	D Electrics for BL UV-C Ionizer 40 W
EP075011	D Electrics for BL UV-C Ionizer 75 W
B220002	E Housing Blue Lagoon Ionizer UV-C 40/75 W
B915000	F Set (2pcs) 3-way connection blue 63 mm
E800944	F Set (2pcs) 3-way connection USA / UK 60½ mm
E800941	G Set (2pcs) O-rings 3-way connection
F990115	H Reduction piece 1.5" female threaded x 63 mm out/ 50 mm in ABS
B290006	I Mounting bracket 75 mm PP Blue
B290010	K Cable connector
E801215	W Nut 70 mm x 33.5 mm for end cap ABS Blue
B290029	X Copper set base + cable connector
B200020	Y Test strips for ionizer (50 strips)



Please refer to page 17 for the product information

## Blue Lagoon Tech UV-C

ART. NUMBER	DESCRIPTION
<b>BE02162</b>	<b>Blue Lagoon Tech UV-C 16 W</b>
<b>BE02402</b>	<b>Blue Lagoon Tech UV-C 40 W</b>
<b>BE02752</b>	<b>Blue Lagoon Tech UV-C 75 W</b>
<b>BE03132</b>	<b>Blue Lagoon Tech UV-C 130 W Amalgam</b>
F980065	Lamp VGE T5 16 W 4P Base F
F980002	Lamp VGE T5 40 W 4P Base F
F980004	Lamp VGE T5 75 W 4P Base F
E800904	Lamp Philips TUV XPT 130 W 4P-SE Amalgam Base E
QG018	Quartz Glass VSC 400 x 25 mm 16/40 W AM
QG015	Quartz Glass VSC 933 x 25 mm 40/75/80 W AM
QG012	Quartz Glass VSC 920 x 30 mm 130/140 W AM
E800912	Set (3pcs) O-ring for quartz glass
EP040011	Electrics for BL UV-C Tech 16/40 W
EP075014	Electrics for BL UV-C Tech 75 W
EP130009	Electrics for BL UV-C amalgam 130 W + flow switch
B910000	Housing Blue Lagoon Tech UV-C 16 W
B910002	Housing Blue Lagoon Tech UV-C 40/75 W
B910005	Housing Blue Lagoon Tech UV-C 130 W
B915000	Set (2pcs) 3-way connection blue 63 mm
E800944	Set (2pcs) 3-way connection USA / UK 60½ mm
E800941	Set (2pcs) O-rings 3-way connection
F990115	Reduction piece 1,5" female threaded x 63mm out/ 50mm in ABS
B290006	Mounting bracket 75 mm PP Blue
B290010	Nut for end cap Blue Lagoon Tech UV-C
B290020	Reduction piece 63/63 mm 3/4" male threaded for flow switch
B290021	Reduction piece 60.3/60.3 mm 3/4" male threaded for flow switch
SP0073	O-ring EPDM 59.99x2.62 Quartz Glass Stabilizer End cap black 32mm



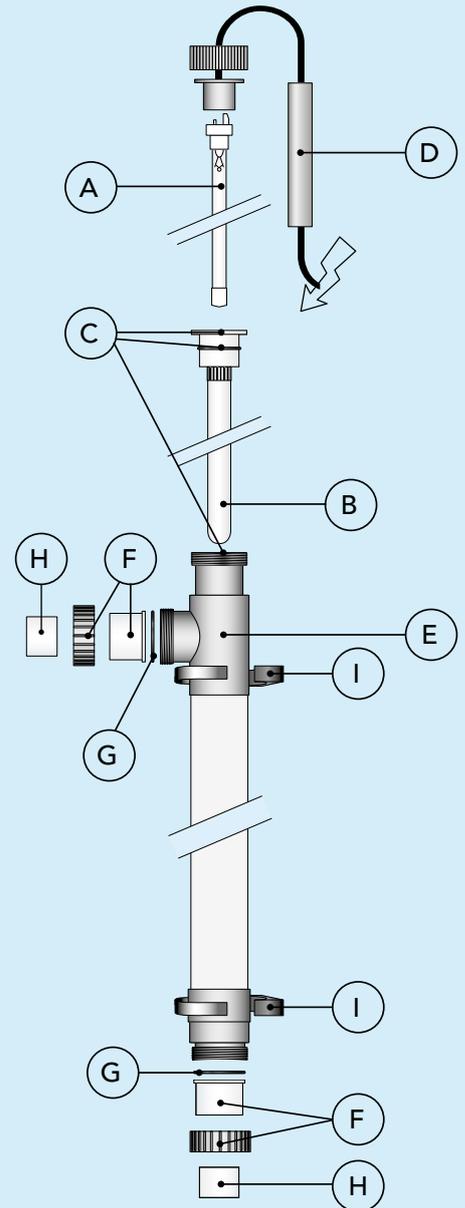
\* Optional

B290177	<b>V</b> Tapping saddle <b>50x3/4"</b> male thread for flow switch
B290170	<b>V</b> Tapping saddle <b>63x3/4"</b> male thread for flow switch
B290176	<b>V</b> Tapping saddle <b>75x3/4"</b> male thread for flow switch

Please refer to page 18 for the product information

## Blue Lagoon Saltwater UV-C

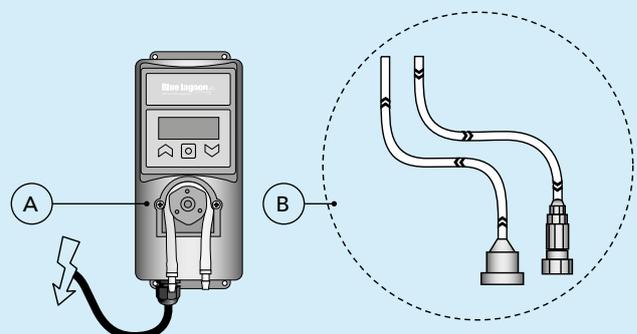
ART. NUMBER	DESCRIPTION
<b>BE06402</b>	<b>Blue Lagoon Saltwater UV-C 40 W</b>
<b>BE06752</b>	<b>Blue Lagoon Saltwater UV-C 75 W</b>
<b>BE07402</b>	<b>Blue Lagoon Saltwater UV-C Short 40 W</b>
B280006	Lamp Philips TUV Smart Cap 40 W Base D AM
B280005	<b>A</b> Lamp Philips TUV Smart Cap 75 W Base D AM
F980068	Lamp VGE T5 40 W 4P 365 mm Base C
QG020	<b>B</b> Quartz Glass VSC 933 x 28,5 mm 40/75 W AM
QG018	Quartz Glass VSC 400 x 25 mm 16/40 W AM
E800912	<b>C</b> Set (3pcs) O-ring for quartz glass
EP040019	Electrics for BL Saltwater UV-C 40 W
EP075015	<b>D</b> Electrics for BL Saltwater UV-C 75 W
EP040021	Electrics for BL Saltwater UV-C 40 W short
B910002ZW	<b>E</b> Housing Blue Lagoon Saltwater UV-C 40/75 W
B910004ZW	Housing Blue Lagoon Saltwater UV-C 40 W short
B915000	<b>F</b> Set (2pcs) 3-way connection blue 63mm
E800941	<b>G</b> Set (2pcs) O-rings 3-way connection
F990115	<b>H</b> Reduction piece 1.5" female threaded x 63 mm out/ 50 mm in ABS
B290006	<b>I</b> Mounting bracket 75 mm PP Blue



Please refer to page 43 for the product information

## Blue Lagoon Dosatech

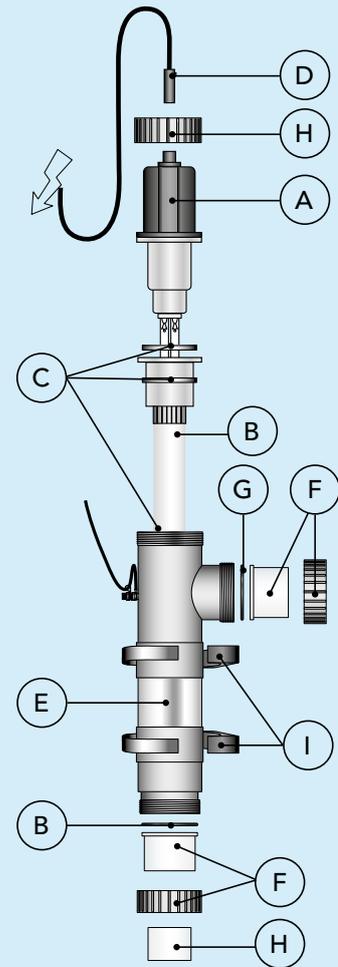
ART. NUMBER	DESCRIPTION
<b>B210010N</b>	<b>Blue Lagoon Dosatech</b>
B290065	<b>A</b> Replacement pump head for Dosatech
B200030	<b>B</b> Replacement kit for dosing pump pool (hose + nipples)



Please refer to page 19 for the product information

## Blue Lagoon Tech Spa UV-C

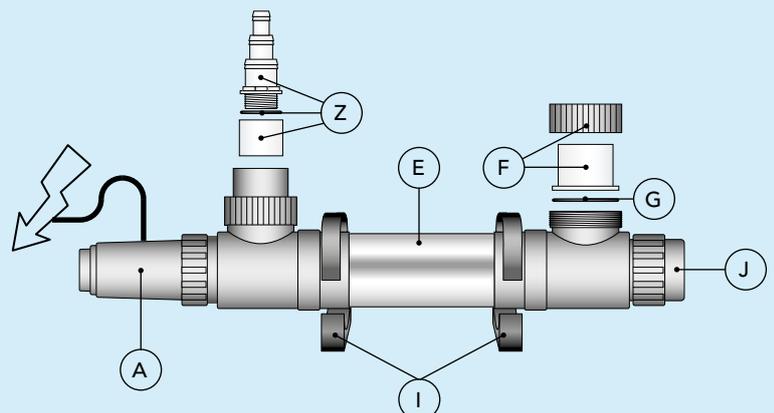
ART. NUMBER	DESCRIPTION
<b>BE21122</b>	<b>Blue Lagoon Tech Spa UV-C 12 W 230 V</b>
<b>BE21120</b>	<b>Blue Lagoon Tech Spa UV-C 15 W 120 V</b>
B212012	A Lamp Philips Replacement module 12 W 230V Base J
B212012 USA	A Lamp Philips Replacement module 15 W 120 V Base J
QG026	B Quartz Glass VSC 277 x 40 mm 11/12/15 W AM
E800912	C Set (3pcs) O-ring for quartz glass
E801205	D Cable for Blue Lagoon Spa UV-C PL-S
B910001	E Housing Blue Lagoon Tech-Spa UV-C 12/15 W
B915000	B Set (2pcs) 3-way connection blue 63 mm
E800944	F Set (2pcs) 3-way connection USA / UK 60½ mm
E801507	G O-Ring NBR 62.87 x 5.33
F990115	H Reduction piece 1.5" female threaded x 63 mm out/ 50 mm in ABS
B290006	I Mounting bracket 75 mm PP Blue



Please refer to page 42 for the product information

## Blue Lagoon ProfiHeater 3kW

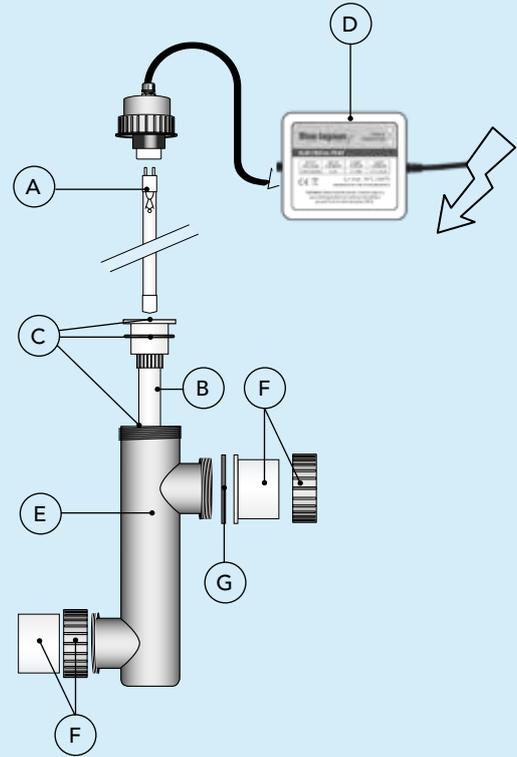
ART. NUMBER	DESCRIPTION
<b>E830010</b>	<b>Blue Lagoon ProfiHeater 3 kW</b>
6900393	A Heater element for ProfiHeater 3kW
E830011	E Housing Blue Lagoon ProfiHeater 1/2/3 kW
E800940	F Set (2pcs) 3-way coupling black
E800941	G Set (2pcs) O-rings 3-way connection
B290006	I Mounting bracket 75 mm PP Blue
F990113	J End cap 32 mm ABS Blue
7201142	Z Reduction set (2pcs) 63 mm glue/screw hose connect. 40-32-25 mm



Please refer to page 20 for the product information

## Blue Lagoon Spa UV-C T5 21 W

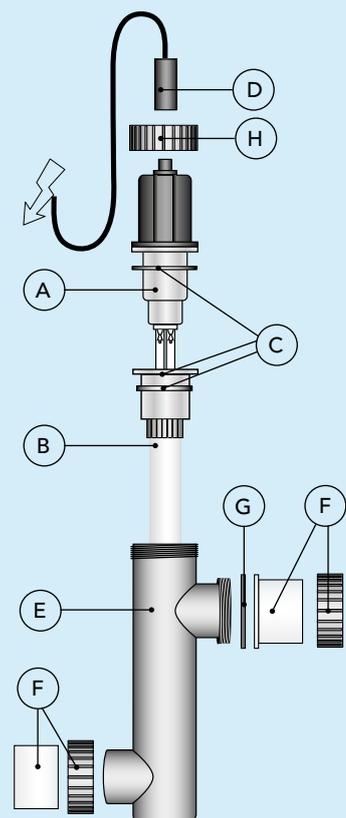
ART. NUMBER	DESCRIPTION
<b>BE01212</b>	<b>Blue Lagoon Spa UV-C T5 21 W 230 V</b>
F980120AM	<b>A</b> Lamp VGET5 21 W 4P Base G AM Packed
QG089	<b>B</b> Quartz Glass VSC 281 x 25 mm 21 W AM
E800912	<b>C</b> Set (3pcs) O-ring for quartz glass
B212013	<b>E</b> Housing Blue Lagoon Spa UV-C / Copper Electrolyzer
B212014	<b>F</b> Set (2pcs) 3-way connection 50 mm
B212015	Set (2pcs) 3-way connection 48 mm
EP021001	<b>D</b> Electrics for BL UV-C Spa 21 W LED
EP021003	Electrics for BL UV-C Spa 21 W 0-5 V Sign. Wire



Please refer to page 21 for the product information

## Blue Lagoon Spa UV-C PLS

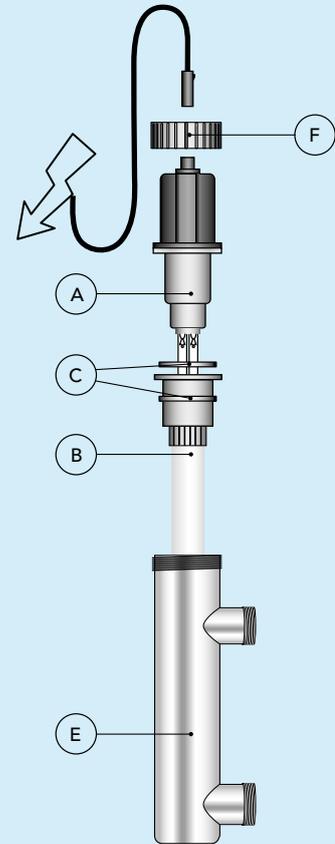
ART. NUMBER	DESCRIPTION
<b>BE01122</b>	<b>Blue Lagoon Spa UV-C PL-S 12 W 230 V</b>
<b>BE01151</b>	<b>Blue Lagoon Spa UV-C PL-S 15W 120 V</b>
B212012	<b>A</b> Lamp Philips Replacement module 12 W 230 V Base J
B212012 USA	Lamp Philips Replacement module 15 W 120 V Base J
QG026	<b>B</b> Quartz Glass VSC 277 x 40 mm 11/12/15 W AM
E800912	<b>C</b> Set (3pcs) O-ring for quartz glass
E801205	<b>D</b> Cable for Blue Lagoon Spa UV-C PL-S
B212013	<b>E</b> Housing Blue Lagoon Spa UV-C / Copper Electrolyzer
B212014	<b>F</b> Set (2pcs) 3-way connection 50 mm
B212015	Set (2pcs) 3-way connection 48 mm
E801509	<b>G</b> O-ring 3-way connection NBR 53x4,5
3901045	<b>H</b> Nut 70 mm x 33.5 mm ABS black



Please refer to page 22 for the product information

## Blue Lagoon Spa UV-C Inox

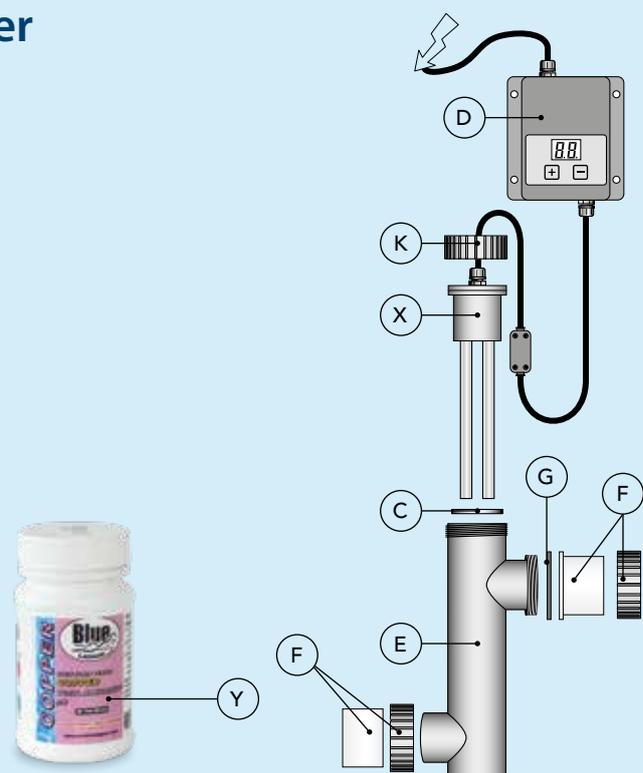
ART. NUMBER	DESCRIPTION
<b>BH07122</b>	<b>Blue Lagoon Spa UV-C Inox 12 W 230 V</b>
<b>BH07151</b>	<b>Blue Lagoon Spa UV-C Inox 15 W 120 V</b>
B212012	Lamp Philips Replacement module 12 W 230 V Base J
B212012 USA	A Lamp Philips Replacement module 15 W 120 V Base J
QG026	B Quartz Glass VSC 277 x 40 mm 11/12/15 W AM
3902109	C O-ring NBR 20 x 3
B212041	E Housing Blue lagoon Spa Inox UV-C
3901045	F Nut 70 mm x 33.5 mm ABS black



Please refer to page 35 for the product information

## Blue Lagoon Copper Electrolyzer

ART. NUMBER	DESCRIPTION
<b>BE05752</b>	<b>Blue Lagoon Copper Electrolyzer</b>
B290076	D Control Box for Copper Electrolyzer
3902041	C O-ring NBR 56x3
B212013	E Housing Blue Lagoon Spa UV-C / Copper Electrolyzer
B212014	F Set (2pcs) 3-way connection 50 mm
B212015	F Set (2pcs) 3-way connection 48 mm
E801509	G O-ring 3-way connection NBR 53x4,5
B290010	K Nut 70 mm x 33.5 mm for end cap ABS Blue
B290029	X Copper set base + cable connector
B200020	Y Test strips for Ionizer (50 strips)



# Blue lagoon

UV-C and Pool equipment



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