

EN

Blue lagoon

UV-C and Pool equipment

www.bluelagoonuvc.com

PRODUCT CATALOGUE 2022



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 Netherlands' 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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On the product pages you can find technical information about the Blue Lagoon products. This can be recognized by the symbol as shown above. Besides the product pages, the Blue Lagoon catalogue has spare parts pages at the back of the catalogue.



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.



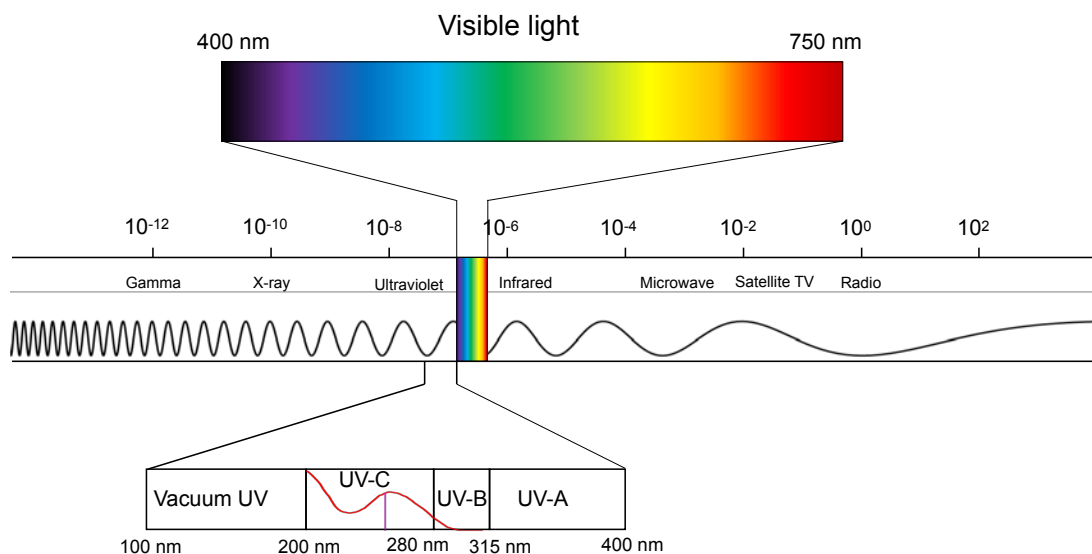
Salt water

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

UV-C Treatment

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!

Blue Lagoon UV-C overview

MODEL		RECOMMENDED FLOW RATE FOR 30MJ/CM ²	MAX. WORKING PRESSURE IN BAR	MAXIMUM FLOW RATE IN M ³ /H	UV-C LAMP	BRAND LAMP	INLET/OUTLET DIAMETER (MM)	HEIGHT OF REACTOR IN CM ±	DISTANCE BETWEEN INLET / OUTLET IN CM ±	WEIGHT IN KG ±
BP08752	Duplex UV-C 80W	17	2,5	25	1 x 80W	VGE - LightTech	1½"	100	77	5,5
BP08132	Duplex UV-C 140W	23	2,5	25	1 x 140W Amalgam	VGE - LightTech	1½"	100	77	5,6
BP07082	Buster UV-C 80W	15	4	20	1 x 80W	VGE - LightTech	2"	93	73,3	9,7
BP07132	Buster UV-C 140W	23	4	28	1 x 140W Amalgam	VGE - LightTech	2,5"	93	72	9,6
BP07392	Buster UV-C 420W	49*	4	49	3 x 140W Amalgam	VGE - LightTech	3"	93	70,4	22,4
BH12752	AOP Compact Ozone & UV-C 75W 2.0	18	2,5	23	1 x 75W / Ozone	VGE - LightTech	63	100	77	8,4
BP02752	Inox UV-C 75W	18	5	23	1 x 75W	Philips	2"	100	78,5	7,2
BP02132	Inox UV-C 130W	22	5	23	1 x 130W Amalgam	Philips	2"	100	78,5	7,3
BH01402	Timer UV-C 40W	11	2	23	1 x 40W	Philips	63	100	77	4,1
BH01752	Timer UV-C 75W	16	2	23	1 x 75W	Philips	63	100	77	4,3
BH01132	Timer UV-C 130W	22	2	23	1 x 130W Amalgam	Philips	63	100	77	4,5
BH10402	Saltwater Timer UV-C 40W	9	2	23	1 x 40W	Philips	63	100	77	4,0
BH10752	Saltwater Timer UV-C 75W	14	2	23	1 x 75W	Philips	63	100	77	4,2
BE06402	Signal UV-C 40W	11	2	23	1 x 40W	VGE - LightTech	63	100	77	4,1
BH11752	Signal UV-C 75W	16	2	23	1 x 75W	VGE - LightTech	63	100	77	4,3
BH11402	Signal UV-C 130W	22	2	23	1 x 130W Amalgam	VGE - LightTech	63	100	77	4,5
BH04402	Copper Ionizer UV-C 40W	11	2	23	1 x 40W	Blue Lagoon - LightTech	63	100	77	5,0
BH04752	Copper Ionizer UV-C 75W	16	2	23	1 x 75W	Blue Lagoon - LightTech	63	100	77	5,2
BE02162	Tech UV-C 16W	5	2	23	1 x 16W	VGE - LightTech	63	56	34	2,8
BE02402	Tech UV-C 40W	11	2	23	1 x 40W	VGE - LightTech	63	100	77	3,6
BE02752	Tech UV-C 75W	16	2	23	1 x 75W	VGE - LightTech	63	100	77	3,9
BE03132	Tech UV-C 130W	22	2	23	1 x 130W Amalgam	Philips	63	100	77	5,0
BE06402	Saltwater UV-C 40W	9	2	23	1 x 40W	Philips Smart Cap	63	100	77	3,0
BE06752	Saltwater UV-C 75W	14	2	23	1 x 75W	Philips Smart Cap	63	100	77	3,2
BE07402	Saltwater short UV-C 40W	8	2	23	1 x 40W	VGE - LightTech	63	48	37	2,5
BE21122	Tech Spa UV-C 12W	3	2	23	1 x 12W	Philips	63	42	24,5	2,5
BE21121	Tech Spa UV-C 15W	3	2	23	1 x 15W	Philips	63	42	24,5	2,5
BE01212	Spa UV-C 21W - 230V	3	1	13	1 x 21W	VGE - LightTech	50	35	17	1,7
BE01211UL	Spa UV-C 21W - 120V	3	1	13	1 x 21W	VGE - LightTech	50	35	17	1,7
BE01122	Spa UV-C 12W	3	1	13	1 x 12W	Philips	50	40,5	17	1,6
BE01151	Spa UV-C 15W	4	1	13	1 x 15W	Philips	50	40,5	17	1,6
BH07122	Spa Inox UV-C 12W	3	2	13	1 x 12W	Philips	3/4"	40,5	14,3	2,6
BH07151	Spa Inox UV-C 15W	4	2	13	1 x 15W	Philips	3/4"	40,5	14,3	2,6

* Recommended flow rate for 40 mJ/cm²



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

The range contains 2 series, 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 80W 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 concentration 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.



Suitable for standard chlorine pools and saltwater electrolysis pools!



Blue Lagoon Xpert Duplex UV-C

The Duplex UV-C is made out of Duplex stainless steel and comes in two types: 80W and 140W amalgam. The unit is suitable for **all kinds of swimming pools**, such as chlorinated and saltwater (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 inlets for easy installation.
- Equipped with a flow switch to turn of the lamp at insufficient water flow (not included with 80W)
- Visual lamp indicator in lamphead
- Made in the Netherlands

DUPLEX 80W UV-C DUPLEX 140W UV-C AMALGAM

Rec. flow for 30 mJ/cm²	17 m³/h	23 m³/h
Max. pressure	2,5 bar	2,5 bar
Max. flow	25 m³/h	25 m³/h
Diameter unit Ø	70mm	70mm
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	230V AC 50/60Hz	230V AC 50/60Hz
Lamp power	80W	140W
Lamp	VGE LightTech T6 80W	VGE LightTech T6 140W Amalgam
Lifespan lamp	9.000 h	16.000 h
Indicator	✓	✓
Replace lamp alert	✓	✓
Flow switch	-	✓
Quantity full pallet	24	24

Please refer to page 47 for spare parts



Blue Lagoon Xpert Buster UV-C

The Buster UV-C is made out of 316L stainless steel and comes in the types: 80W, 140W amalgam or 420W 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 80W)
- Visual lamp indicator in lamphead
- Made in the Netherlands

	BUSTER UV-C 80W	BUSTER UV-C 140W AMALGAM	BUSTER UV-C 420W AMALGAM
Rec. flow for 30 mJ/cm ²	15 m ³ /h	23 m ³ /h	49 m ³ /h (for 40 mJ/cm ²)
Max. pressure	4 bar	4 bar	4 bar
Max. flow	20 m ³ /h	28 m ³ /h	49 m ³ /h
Diameter unit Ø	114mm	154 mm	219mm
Length unit	930 mm	930 mm	930 mm
Diameter in-outlet Ø	2" male threaded	2,5" male threaded	3" male threaded
Housing material	316L	316L	316L
Electronic ballast	230V AC 50/60Hz	230V AC 50/60Hz	230V AC 50/60Hz
Lamp power	80W	140W	3 x 140W
Lamp	VGE T5 80W	VGE T6 140W Amalgam 4P	3x T6 140W Amalgam 4P
Operating environ- ment 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	-	✓	✓

Please refer to
page 48 for
spare parts



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.



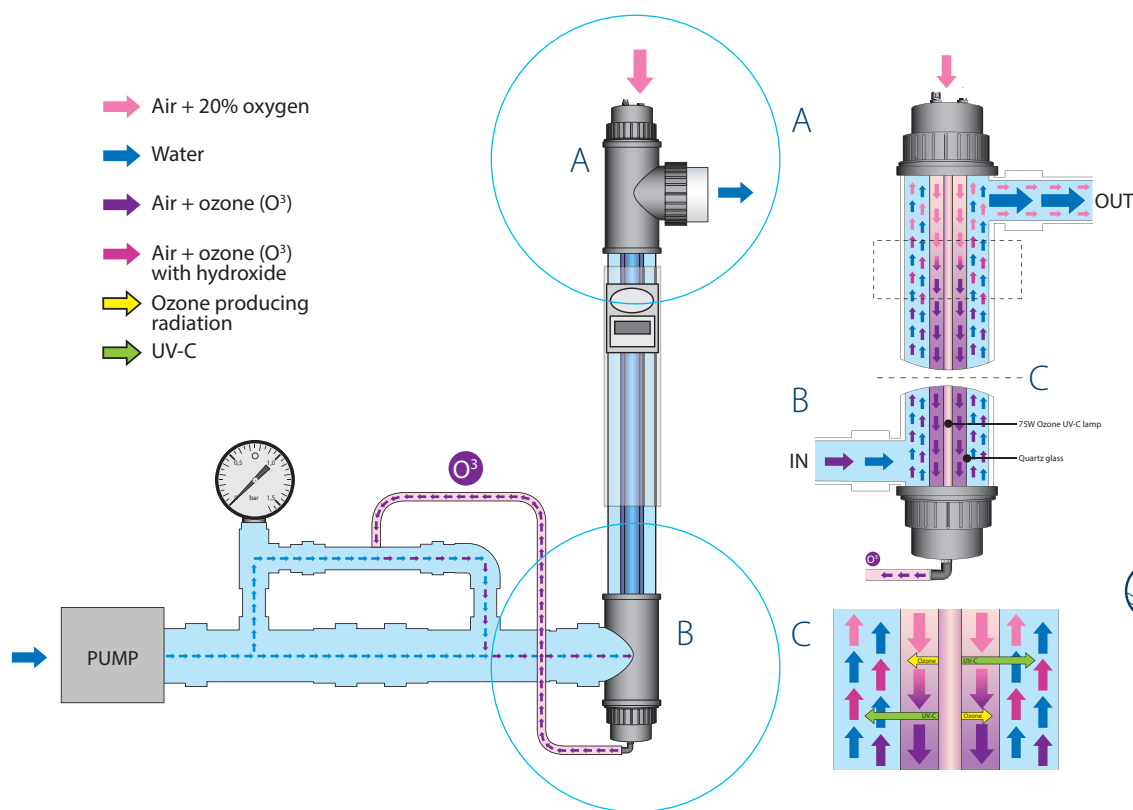
Technical specifications

AOP COMPACT OZONE & UV-C 75W 2.0

Type	75.000 /75W
Item code	BH12752
Barcode	8714404040617
Rec. flow for 30 mJ/cm ²	18 m ³ /h
Max. pressure	2,5 bar
Max. flow	23 m ³ /h
Diameter unit Ø	70 mm
Length unit	100 cm
Diameter in-outlet Ø	63mm / 50mm / 1 1/2"
Stainless steel	Duplex

AOP COMPACT OZONE & UV-C 75W 2.0

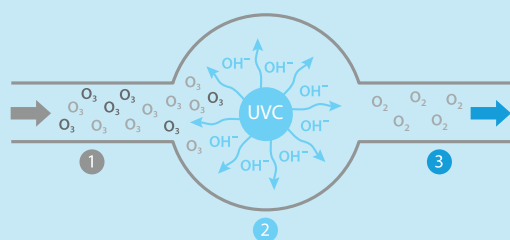
Electronic ballast	230V AC 50/60Hz
Lamp power	75W
Lamp	VEG T5 75W Ozone
Lifespan lamp	9.000 hours ozone - 9.000 hours UV-C
Ozone	0,6 gr/h
Timer	✓
Replace lamp alert	✓
Weight	6,0 Kg
Packing size	112x37x12 cm
Quantity full pallet	24 pcs



The expected life-span of the TS 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?

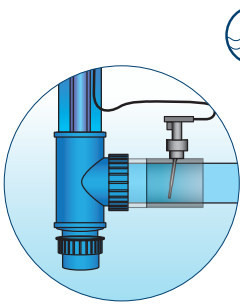
The VGE Advanced Oxidation Process (AOP) combines the benefits of ozone and UV-C into one device. When ozone is used in combination with UV-C light in water, hydroxyl radicals ($\cdot\text{OH}$) are created. These radicals are very effective in oxidizing micropollutants in the water and therefore reducing 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 deoxygenation 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 $\cdot\text{OH}$ 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 UV-C 130 watt amalgam 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 75W	INOX UV-C 130W
Type	75.000 /75W	150.000 /130W
Item code	BP02752	BP02132
Barcode	8714404038669	8714404038676
Rec. flow for 30 mJ/cm²	18 m³/h	22 m³/h
Max. pressure	5 bar	5 bar
Max. flow	23 m³/h	23 m³/h
Diameter unit Ø	114 mm	114 mm
Length unit	100 cm	100 cm
Diameter in-outlet Ø	2" Male thr.	2" Male thr.
Stainless steel	316L	316L
Electronic ballast	230V AC 50/60Hz	230V AC 50/60Hz
Lamp power	75W	130W
Lamp	Philips TUV 36T5 HO 4P-SE (75 Watt)	Philips TUV 130 Watt 4P-SE Amalgam
Lifespan lamp	9.000 h	12.000 h
Timer	✓	✓
Replace lamp alert	✓	✓
Flow switch	✓	✓
Weight	7,2 Kg	7,3 Kg
Packing size	26,5x19x106,5 cm	26,5x19x106,5 cm
Quantity full pallet	21 pcs	21 pcs

Please refer to page 50 for spare parts



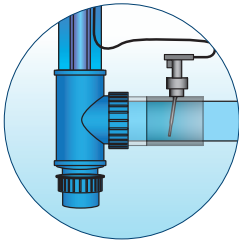
The Blue Lagoon Timer is equipped with an integrated timer which accurately monitors the number of operating hours. You can therefore see exactly when the lamp must be replaced.

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, 1½" 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 40W	TIMER UV-C 75W	TIMER UV-C 130W
Type	40.000 /40W	75.000 /75W	150.000 /130W
Item code	BH01402	BH01752	BH01132
Barcode	8714404034319	8714404034388	8714404034654
Rec. flow for 30 mJ/cm²	11 m³/h	16 m³/h	22 m³/h
Max. pressure	2 bar	2 bar	2 bar
Max. flow	23 m³/h	23 m³/h	23 m³/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"
Stainless steel	316L	316L	316L
Electronic ballast	230V AC 50/60Hz	230V AC 50/60Hz	230V AC 50/60Hz
Lamp power	40W	75W	130W
Lamp	Philips TUV 36T5 4P-SE (40 Watt)	Philips TUV 36T5 HO 4P-SE (75 Watt)	Philips TUV 130 Watt 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
Packing size	106 x 26 x 16 cm	106 x 26 x 16 cm	106 x 26 x 16 cm
Quantity full pallet	24 pcs	24 pcs	24 pcs

Please refer to page 51 for spare parts

Saltwater Timer UV-C



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

Advantages of the Blue Lagoon Saltwater UV-C

- Timer function that indicates the remaining lifetime of the lamp
- Especially developed for saltwater 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 Saltwater Timer UV-C is especially developed for saltwater 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 Saltwater 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

	SALTWATER TIMER UV-C 40W	SALTWATER TIMER UV-C 75W		SALTWATER TIMER UV-C 40W	SALTWATER TIMER UV-C 75W
Type	40.000 /40W	75.000 /75W	Electronic ballast	230V AC 50/60Hz	230V AC 50/60Hzw
Item code	BH10402	BH10752	Lamp power	40W	75W
Barcode	8714404046718	8714404046787	Lamp	Philips TUV 36T5 4P-SE (40 Watt)	Philips TUV 36T5 HO 4P-SE (75 Watt)
Rec. flow for 30 mJ/cm²	9 m³/h	14 m³/h	Lifespan lamp	9,000 h	9,000 h
Max. pressure	2 bar	2 bar	Timer	✓	✓
Max. flow	23 m³/h	23 m³/h	Replace lamp alert	✓	✓
Diameter unit Ø	70 mm	70 mm	Flow switch	-	-
Length unit	100 cm	100 cm	Weight	4,0 Kg	4,2 Kg
Diameter in-outlet Ø	63mm / 50mm / 1½"	63mm / 50mm / 1½"	Packing size	106x26x15 cm	106x26x15 cm
Housing	PVC	PVC	Quantity full pallet	24 pcs	24 pcs

Please refer to
page 52 for
spare parts



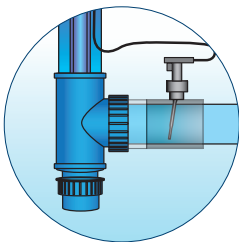
The Blue Lagoon Signal UV-C is equipped with an integrated LED-timer which accurately monitors and visualizes the remaining operating hours by changing colour! A warning will be given by a blinking LED light when the lamp needs to be replaced.

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

	SIGNAL UV-C 40W	SIGNAL UV-C 75W	SIGNAL UV-C 130W
Type	40.000 /40W	75.000 /75W	150.000 /130W
Item code	BH11402	BH11752	BH11132
Barcode	8714404045193	8714404045261	8714404045124
Rec. flow for 30 mJ/cm ²	11 m ³ /h	16 m ³ /h	22 m ³ /h
Max. pressure	2 bar	2 bar	2 bar
Max. flow	23 m ³ /h	23 m ³ /h	23 m ³ /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	316L	316L	316L
Electronic ballast	230V AC 50/60Hz	230V AC 50/60Hz	230V AC 50/60Hz
Lamp power	40W	75W	130W
Lamp	LightTech T5 40W	LightTech T5 75W	LightTech T6 130W 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
Packing size	107 x 26 x 16 cm	107 x 26 x 16 cm	107 x 26 x 16 cm
Quantity full pallet	24 pcs	24 pcs.	24 pcs.

Please refer to
page 53 for
spare parts



What is the disinfection mechanism of copper ionization?

Electrically charged copper ions (Cu2+) 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.

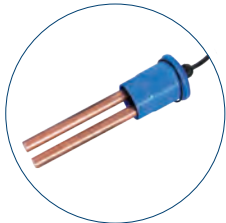
This combination of UV-C and copper electrolysis in one disinfection system to minimize the use of chlorine.

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

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 40W	COPPER IONIZER UV-C 75W		COPPER IONIZER UV-C 40W	COPPER IONIZER UV-C 75W
Type	40.000 /40W	75.000 /75W	Electronic ballast	230V AC 50/60Hz	230V AC 50/60Hz
Item code	BH04402	BH04752	Lamp power	40W	75W
Barcode	8714404034241	8714404036689	Lamp	Blue Lagoon T5 40W ionizer	Blue Lagoon T5 75W ionizer
Rec. flow for 30 mJ/cm²	11 m³/h	16 m³/h	Lifespan lamp	9.000 h	9.000 h
Max. pressure	2 bar	2 bar	Copper ionizer	0,7 ppm	0,7 ppm
Max. flow	23 m³/h	23 m³/h	Replace lamp alert	✓	✓
Diameter unit Ø	70 mm	70 mm	Weight	5,0 Kg	5,2 Kg
Length unit	100 cm	100 cm	Packig size	28x15x101 cm	28x15x101 cm
Diameter in-outlet Ø	63mm / 50mm / 1½"	63mm / 50mm / 1½"	Quantity full pallet	24 pcs	24 pcs
Stainless steel	316L	316L			

Please refer to
page 54 for
spare parts



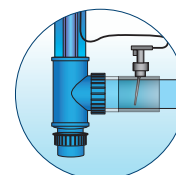
Because of its smart design, the Blue Lagoon Tech is ideal for all filter installations where space is limited but a high disinfection efficiency is required.

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

	TECH UV-C 16W	TECH UV-C 40W	TECH UV-C 75W	TECH UV-C 130W
Type	15.000 /16W	40.000 /40W	75.000 /75W	150.000 /130W
Item code	BE02162	BE02402	BE02752	BE03132
Barcode	8714404034456	8714404034234	8714404034166	8714404029988
Rec. flow for 30 mJ/cm ²	5 m ³ /h	11 m ³ /h	16 m ³ /h	22 m ³ /h
Max. pressure	2 bar	2 bar	2 bar	2 bar
Max. flow	23 m ³ /h	23 m ³ /h	23 m ³ /h	23 m ³ /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	63mm / 50mm / 1 ½"	63mm / 50mm / 1 ½"	63mm / 50mm / 1 ½"	63mm / 50mm / 1 ½"
Stainless steel	316L	316L	316L	316L
Electronic ballast	230V AC 50/60Hz	230V AC 50/60Hz	230V AC 50/60Hz	230V AC 50/60Hz
Lamp power	16W	40W	75W	130W
Lamp	VGE T5 16W 4P	VGE T5 40W 4P	VGE T5 75W 4P	Philips 130W 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
Packing size	58 x 26 x 11cm	106 x 26 x 11 cm	106 x 26 x 11 cm	106 x 26 x 11 cm
Quantity full pallet	60 pcs	30 pcs	30 pcs	30 pcs
Flow Switch	-	-	-	✓
ETL certified	-	✓	✓	✓

Please refer to page 55 for spare parts



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

Advantages of the Blue Lagoon Saltwater UV-C

- Especially developed for saltwater 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 Saltwater UV-C is especially developed for saltwater (salt electrolysis) and seawater pools. Thanks to the special white PVC - housing the salt has no corrosive influence. With the Blue Lagoon Saltwater 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 40W	SALTWATER UV-C 40W	SALTWATER UV-C 75W
Type	40.000/40W	40.000 /40W	75.000 /75W
Item code	BE07402	BE06402	BE06752
Barcode	8714404044394	8714404043489	8714404043496
Rec. flow for 30 mJ/cm²	8 m³/h	9 m³/h	14 m³/h
Max. pressure	2 bar	2 bar	2 bar
Max. flow	23 m³/h	23 m³/h	23 m³/h
Diameter unit Ø	70 mm	70 mm	70 mm
Length unit	48 cm	100 cm	100 cm
Diameter in-outlet Ø	63mm / 50mm / 1 ½"	63mm / 50mm / 1 ½"	63mm / 50mm / 1 ½"
Housing	PVC	PVC	PVC
Electronic ballast	230V	230V AC 50/60Hz	230V AC 50/60Hz
Lamp power	40W	40W	75W
Lamp	VEGE T5 40W 365mm	Philips Smart Cap 40W	Philips Smart Cap 75W
Lifespan lamp	9,000 h	9,000 h	9,000 h
Weight	2,5 Kg	3,0 Kg	3,2 Kg
Packing size	33 x 12 x 55 cm	106 x 26 x 11 cm	106 x 26 x 11 cm
Quantity full pallet	40 pcs	30 pcs	30 pcs

Please refer to page 56 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

TECH SPA UV-C 12W 230V	
Type	10.000/12W
Item code	BE21122
Barcode	8714404044318
Rec. flow for 30 mJ/cm ²	3 m ³ /h
Max. pressure	2 bar
Max. flow	23 m ³ /h
Diameter unit Ø	70 mm
Length unit	42 cm
Diameter in-outlet Ø	63mm / 50mm / 1½"
Electronic ballast	230V AC 50 Hz
Lamp power	12W
Lamp	Philips PLS module
Lifespan lamp	9.000 h
Weight	2,5 Kg
Packing size	33 x 12 x 55 cm
Quantity full pallet	40 pcs

Philips lamp
designed for high
temperatures





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.

0-5V 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.

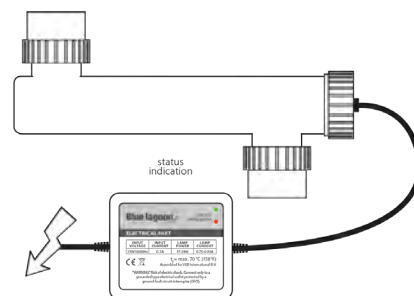
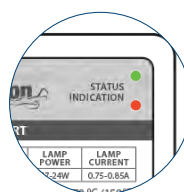
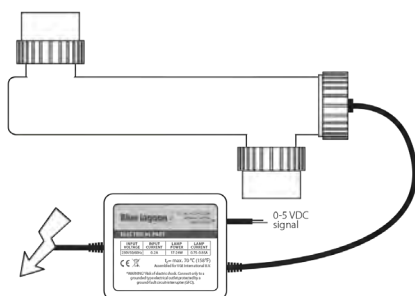
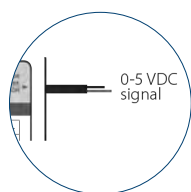
This UV-lamp is specially designed for high-temperatures ($\pm 40^{\circ}\text{C} / \pm 104^{\circ}\text{F}$). The Blue Lagoon Spa UV-C 21W has an electronic ballast with a LED indicator or a 0-5V output signal which makes it easy to integrate and work with in every Spa installation and control system.

Advantages of the Blue Lagoon Spa UV-C 21W

- 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 21W 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

SPA UV-C T5 21W 230V		SPA UV-C T5 21W 230V	
Type	10.000	Diameter in-outlet Ø	50mm / 1½"
Item code	BE01212	Electronic ballast	230V AC 50/60 Hz
Barcode	8714404045742	Lamp power	21W
Rec. flow for 30 mJ/cm²	3 m³/h	Lamp	UGE T5 21W HO 4P
Max. pressure	1 bar	Lifespan lamp	9,000 h
Max. flow	13 m³/h	Weight	5,2 Kg
Diameter unit Ø	58 mm	Packing size	28x15x101 cm
Length unit	35 cm	Quantity full pallet	60 pcs

Please refer to
page 58 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.



Philips lamp
designed for high
temperatures



Technical specifications

	SPA UV-C 12W 230V	SPA UV-C 15W 120V		SPA UV-C 12W 230V	SPA UV-C 15W 120V
Type	10.000/12W	10.000/15W	Electronic ballast	230V AC 50Hz	120V AC 60Hz
Item code	BE01122	BE01151	Quantity full pallet	60 pcs	60 pcs
Barcode	8714404038966	8714404039642	Lamp power	12W	15W
Rec. flow for 30 mJ/cm ²	3 m ³ /h	4 m ³ /h	Lamp	Philips PLS module	Philips PLS module
Max. pressure	1 bar	1 bar		12W 230V	15W 120V
Max. flow	13 m ³ /h	13 m ³ /h	Lifespan lamp	9.000 h	9.000 h
Diameter unit Ø	59 mm	59 mm	Replace lamp alert	✓	✓
Length unit	40,5 cm	40,5 cm	Weight	1,6 Kg	1,6 Kg
Diameter in-outlet Ø	50 mm	50 mm	Packing size	26x11x55 cm	26x11x55 cm
Stainless steel	-	-	UL certified	-	✓

Please refer
to page 58 for
spare parts



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.



Philips lamp designed for high temperatures



Technical specifications

SPA INOX 12W 230V		SPA INOX 12W 230V	
Type	10.000/12W	Stainless steel	316L
Item code	BH07122	Electronic ballast	230V AC 50HZ
Barcode	8714404044240	Quantity full pallet	60 pcs
Rec. flow for 30 mJ/cm ²	3 m ³ /h	Lamp power	12W
Max. pressure	2 bar	Lamp type	Philips PLS module 12W 230V
Max. flow	13 m ³ /h	Lifespan lamp	9,000 h
Diameter unit Ø	60,3 mm	Weight	2,6 Kg
Length unit	40,5 cm	Packing size	26x11x55 cm
Diameter in-outlet Ø	3/4" Male thr.		

Please refer to page 59 for spare parts



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

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.

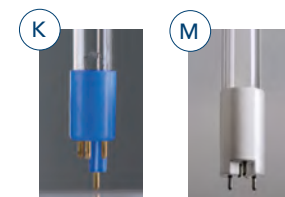
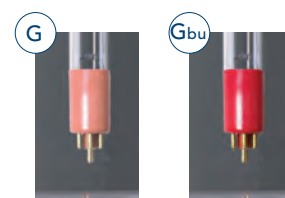
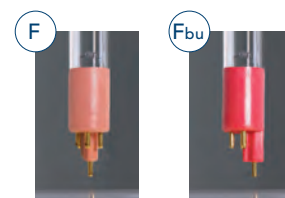
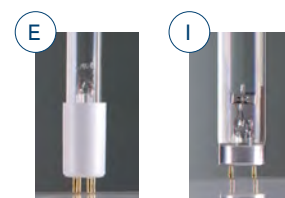
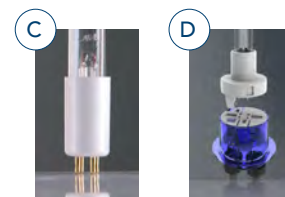
T5 & T6 bulbs

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

Unit specific lamps

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

Models



UGE 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 watt. Please contact us by e-mail: 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 5W /2P	10	PLS-S	A
3903009	Philips	TUV PL-S 7W /2P	10	PLS-S	A
3903010	Philips	TUV PL-S 9W /2P	10	PLS-S	A
3903013	Philips	TUV PL-S 9W /4P	10	PLS-S	-
3903020	Philips	TUV PL-S 11W /2P	25	PLS-S	A
3903030	Philips	TUV PL-L 18W /4P	25	PL-L	B
3903033	Philips	TUV PL-L 24W /4P	25	PL-L	B
3903040	Philips	TUV PL-L 36W /4P	1	PL-L	B
3903050	Philips	TUV PL-L 55W /4P	1	PL-L	B
B212012	Philips	Replacement module 12W 230V	1	PL-S	J
B212012 USA	Philips	Replacement module 15W 120V	1	PL-S	J
4600003	Philips	Replacement lamp Aetaire	1	PL-L	-
4610007	Philips	TUV PL-L 60W /4P	1	PL-L	B
3903095	Philips	TUV PL-L 95W /4P	1	PL-L	B

TL bulbs

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

Unit specific lamps

ITEM. NR.	BRAND	MODEL	BOX	TYPE	BASE
F980086	VGE	Replacement lamp Delta EA-3H-5 / 35W	50	T5	C
F980080	VGE	Replacement lamp Delta EA-3/4H-10 / 45W	50	T5	C
F980082	VGE	Replacement lamp Delta EA-4/4H-20 / 90W	50	T5	C
F980084	VGE	Replacement lamp Delta EA-4H-40 / 110W	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

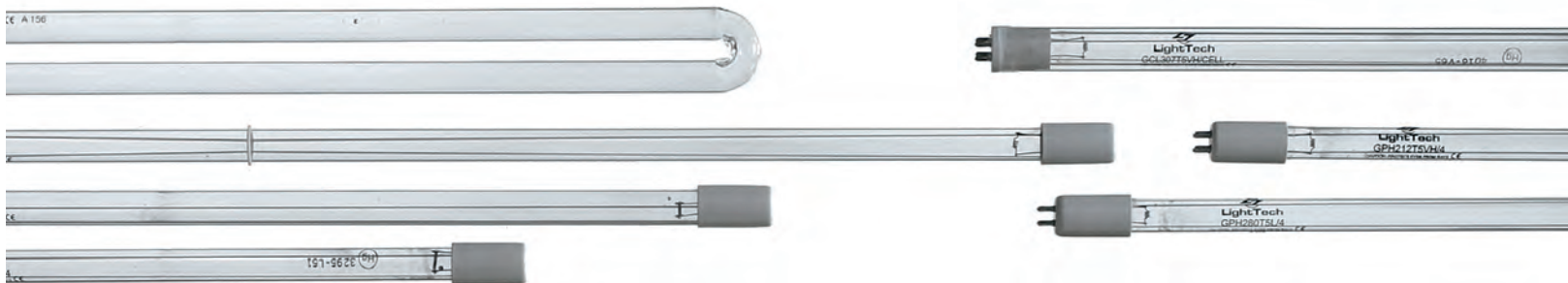
Models



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!



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



Blue Lagoon supports promotional activities

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.



'If you are curious how an informative seminar from a UV-C specialist can benefit the sale of your product assortment, please don't hesitate to contact us.'

www.bluelagoonuvc.com

Promote Blue Lagoon UV in your store!



B300007 +
BE02752DUMMY



B300007 +
BH01752DUMMY

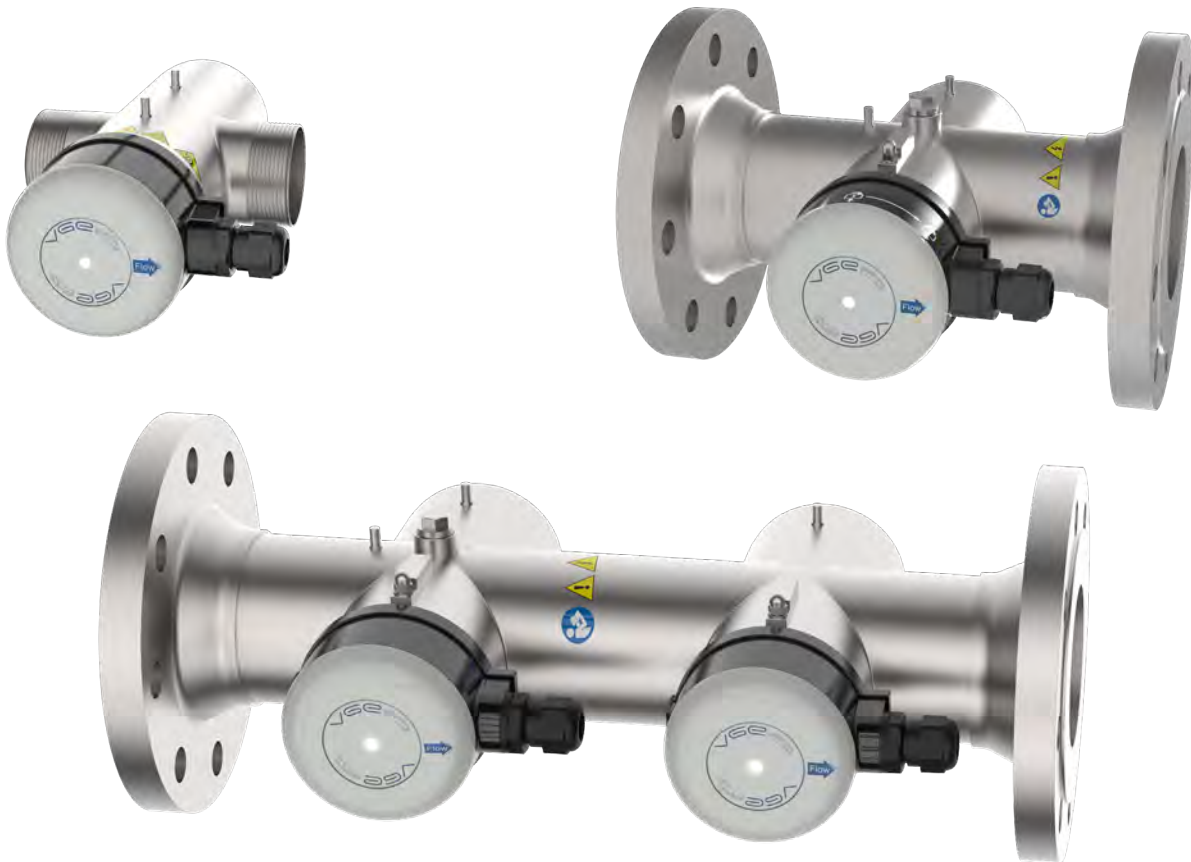


B300007 +
BH01752DUMMY

ARTICLE NUMBER	ART. DESCRIPTION	SIZE	PRICE DUMMY
BE02752DUMMY	Blue Lagoon Tech UV-C 75W (Dummy)	-	€ 50,00
BH01752DUMMY	Blue Lagoon Timer UV-C 75W (Dummy)	-	€ 65,00
BH11752DUMMY	Blue Lagoon Signal UV-C 75W (Dummy)	-	€ 60,00
B300007	Informative mounting plate for dummy	60x120 cm	€ 35,00
B300004	Blue Lagoon Roll up banner	85x200 cm	€ 40,00

COMBINATIONS	PRICE
Dummy Tech + Informative mounting plate + banner Blue lagoon	€ 110,00
Dummy Timer + Informative mounting plate + banner Blue lagoon	€ 125,00
Dummy Signal + Informative mounting plate + banner Blue lagoon	€ 120,00

Overview complete VGE Pro Medium Pressure UV system



Benefits Medium Pressure UV

The VGE Pro product range has low pressure and medium pressure UV lamp based systems. The medium pressure UV lamps emits 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 four different systems with medium pressure UV lamps: MultiMax, 600-85 Compact, 600-85 Comfort and the 1200-85.

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

MORE INFORMATION



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VGE PRO
UV DISINFECTION SOLUTIONS



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-C 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 and 1200-85 medium pressure units. It's suitable for a UV sensor, temperature sensor or a ModBus. 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.

Model	Shape	Max. Pressure [bar]	Capacity [m³/h]	N. of lamps	Power [kW]
MultiMax	I	10	13	1x 400W	0,4
600-85	I	10	19	1 x 600W	0,6
1200-85	I	10	39	2 x 600W	0,12

(1) Capacity based on 400 J/m², T10 mm @ 254 nm = 98 %, MPSSM-average intensity (max. flow speed of 3 m/s not taken into account)

(2) Capacity based on 600 J/m², T10 mm @ 254 nm = 98 %, MPSSM-average intensity (max. flow speed of 3 m/s not taken into account)

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
- Leak tested
- Easy to install
- UV radiation reflection

Model	Shape	Max. Pressure [bar]	Capacity ¹ [m ³ /h]	N. of lamps	Power [kW]
40-76	L	6	3	1 x 40 W	0,05
75-76	L	6	6	1 x 75 W	0,08
140-76	U	6	12	1 x 140 W	0,16
200-76	U	6	17	1 x 200 W	0,23
75-114	U	6	10	1 x 75 W	0,08
140-114	U	6	20	1 x 140 W	0,16
200-154	U	6	38	1 x 200 W	0,23
420-168	U	6	78	3 x 140 W	0,47
400-204	U	6	92	2 x 200 W	0,45
600-219	U	6	140	3 x 200 W	0,68
975-306	L	6	306	3 x 325 W	1,11
1950-306	L	6	600	6 x 325 W	2,21

(1) Capacity based on 400 J/m², T10 mm @ 254 nm = 98 %, MPSSM-average intensity (max. flow speed of 3 m/s not taken into account)

MORE INFORMATION



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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
- Leak tested

Model	Shape	Max. Pressure [bar]	Capacity ¹ [m ³ /h]	N. of lamps	Power [kW]
75-110	U	6	10	1 x 75 W	0,08
140-110	U	6	17	1 x 140 W	0,16
200-110	U	6	23	1 x 200 W	0,23
200-160	U	6	35	1 x 200 W	0,23
400-200	U	6	83	2 x 200 W	0,45
600-225	U	6	124	3 x 200 W	0,68
975-315	U	4	278	3 x 325 W	1,11
1950-315	U	4	544	6 x 325 W	2,21

(1) Capacity based on 400 J/m², T10 mm @ 254 nm = 98 %, MPSSM-average intensity (max. flow speed of 3 m/s not taken into account)



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

VGE Pro UV-C control units

Each VGE Pro UV-C disinfection system is equipped with a control cabinet. There are several options which can be combined with a suitable VGE Pro unit and several other options like a temperature sensor and a flow switch.



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.

MORE INFORMATION



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VGE PRO
UV DISINFECTION SOLUTIONS

VGE Pro UV-C control units

For the VGE Pro UV-C systems 6 different control units are available, knowing: Basic, Control Timer, Control Monitor, Control Monitor Plus, Compact controller and Comfort controller.



The Basic version is suited with an electronic ballast to drive the lamp(s). Standard the power supply of the UV-C lamps is realized by electronic ballasts which drive the lamps with a much higher frequency (over 30.000 Hz) compared to conventional electromagnetic ballasts (50/60 Hz). This has the following advantages:

- Higher ballast efficiency, so less heat production
- Longer lamp life of the UV-C lamps
- Higher UV-C lamp efficiency
- Direct start, no conventional ignitor required



The Control Timer has a LED display for showing the operational lamp hours. The maximum number of burning hours are displayed when the system is started. After this the display counts down to 0, at which time the lamp must be replaced.

Hour counter

If a UV-C lamp is in operation natural aging of the lamp will take place which results in a reduction of UV-C radiation and disinfection capacity. Therefore it is important to replace a UV-C lamp in time. An operational hours counter is a useful tool to make sure that you change the UV-C lamp on time and keep up a reliable UV-C disinfection of your water.



The Control Monitor has a colour display and an optional UV sensor can be connected for monitoring the treatment process.

Several ways of communication with a control unit are available such as: analog 4 - 20 mA signal, via potential free contacts and of course via the HMI. By using these options the control of your disinfection process is easy and efficient. A flowswitch can be connected to switch off the UV-C system when there is no water flow through the treatment chamber. This to prevent malfunctioning of the system.



The Control Monitor Plus is a complete controller and multilingual. A UV sensor, temperature sensor and a flowswitch can be connected and the control unit has alarm and warning functions built-in.

When there is no flow or water in the treatment chamber when the lamp is switched on, the temperature in the chamber can reach a dangerous level. By choosing the optional temperature sensor in combination with the Control Monitor Plus the temperature inside the treatment chamber is monitored. If the limit is reached the system will be switched off and an alarm will be activated.



The Compact controller is a basic controller, suitable for a MultiMax or 600-85 Medium Pressure unit. It's equipped with a LED lamp life indication.

Depending on the life of the lamp, the LED shows a different color. Green means that the lamp is still burning properly. Flashing red means the lamp will need to be replaced soon. With a red LED light, it means that the lamp must be replaced immediately.



The Comfort controller is a complete controller for the 600-85 or 1200-85 Medium Pressure unit. The controller can optionally be equipped with a UV sensor to measure the UV-C intensity inside the treatment chamber. Besides that it is suitable for a temperature sensor or a ModBus. The temperature sensor monitors the temperature in the treatment chamber to avoid overheating. The controller is available with different languages.

MORE INFORMATION



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VGE PRO
UV DISINFECTION SOLUTIONS

39

Overview VGE Pro products and applications

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 m³/h up to 550 m³/h.
- Customization of the device to your own specifications possible.

VGE Pro INOX

MODEL	REACTOR SHAPE	MAX. PRESSURE	CONNECTION	CAPACITY ⁽¹⁾
		[BAR]		[M ³ /H]
400-54	Z	6	1"	18
40-76	L	6	3/4"	3
75-76	L	6	3/4"	6
140-76	U	6	2"	12
200-76	U	6	2"	17
75-114	U	6	2"	10
140-114	U	6	2"	20
200-154	U	6	DN65	38
420-168	U	6	3"	78
400-204	U	6	DN100	92
600-219	U	6	DN125	140
975-306	L	6	DN250	306
1950-306	L	6	DN250	600

VGE Pro HDPE

MODEL	REACTOR SHAPE	MAX. PRESSURE	CONNECTION	CAPACITY ⁽¹⁾
		[BAR]		[M ³ /H]
75-110	U	6	2"	10
140-110	U	6	2"	17
200-110	U	6	2"	23
200-160	U	6	DN65	35
400-200	U	6	DN100	83
600-225	U	6	DN125	124
975-315	U	2	DN250	278
1950-315	U	2	DN250	544

VGE Pro INOX 3S/3L

MODEL	REACTOR SHAPE	MAX. PRESSURE	CONNECTION	CAPACITY ⁽¹⁾
		[BAR]		[M ³ /H]
3S	L	6	3/4"	2,7
3L	L	6	3/4"	5,7

VGE Pro Medium Pressure

MODEL	REACTOR SHAPE	MAX. PRESSURE	CONNECTION	CAPACITY ⁽¹⁾
		[BAR]		[M ³ /H]
Multimax	I	10	2"	13,3
600-85	I	10	DN80	18,7
1200-85	I	10	DN80	38,5

(1) Capacity based on 400 J/m², T10 mm @ 254 nm = 98 %, MPSSM-average intensity (max. flow of 3 m/s not included)

What is the disinfection mechanism of copper ionization?

Electrically charged copper ions (Cu2+) 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.



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

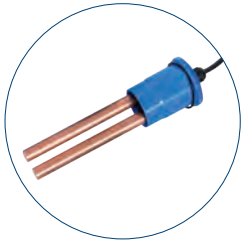
Operation

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 (Cu2+) 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

COPPER ELECTROLYZER	
Item code	BE05752
Barcode	8714404039017
Max. pressure	1 bar
Max. flow	13.000 L/h
Length unit	34 cm
Diameter unit Ø	59 mm
Diameter in-outlet Ø	48/50mm
Electronic ballast	230V AC 50/60Hz
Weight	2,32 Kg
Packing size	26x11x55 cm
Quantity full pallet	60 pcs
Copper ionizer	0,7 ppm



Please refer to page 59 for spare parts



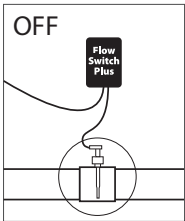
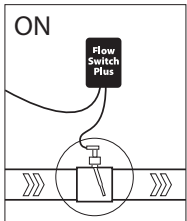
The Flow Switch Plus is the ideal protection for a UV-C disinfection system in your pool installation. It will turn of the lamp at insufficient water flow.

Advantages of the Blue Lagoon Flow Switch Plus

- Prevents damage caused by running dry of devices, like UV-C disinfection systems
- Easy installation thanks to the compact design
- Easy to combine
- Also suitable for saltwater 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



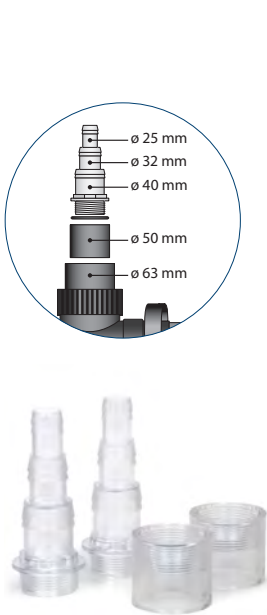
TYPE F



TYPE G

Technical specifications

	FLOW SWITCH PLUS 120V (TYPE B)	FLOW SWITCH PLUS 230V (TYPE E)	FLOW SWITCH PLUS 230V (TYPE F)	FLOW SWITCH PLUS 230V (TYPE G)
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	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
IP class	54	54	54	54
Connection size, tee fitting	2"	63 mm	63 mm	2"
Minimum flow	5.8 gpm	1.5 m³/h	1.5 m³/h	1.5 m³/h
Maximum flow	100 gpm	23 m³/h	23 m³/h	23 m³/h



The Blue Lagoon ProfiHeater is very suitable for warming up bathing 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 3KW	
Art. Number	E830010
Barcode	8714404034173
Max. pressure	2 bar
Max. flow	10.000 L/h
Connection	Ø63-50-40-32-25mm
Weight	3,5 Kg
Packing size	33x12x55cm
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 (flocculant, 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

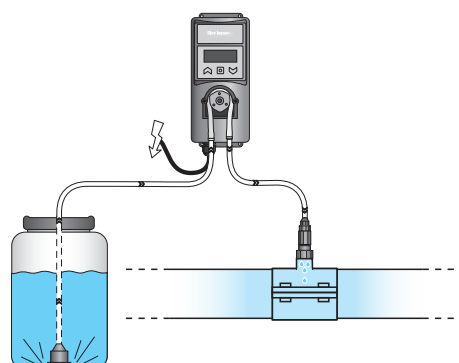
Operation

The Blue Lagoon Dosatech is the ideal peristaltic pump for dosing a liquid solution (flocculant, 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
Barcode	8714404987417
Dimensions LxWxH	80x90x215mm
Consumption	5 Watt
Rotation	30 rpm
Voltage	230 V
Frequency	50/60 Hz
Weight	1,5 kg
Packing size	21x 10 x 32cm
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:

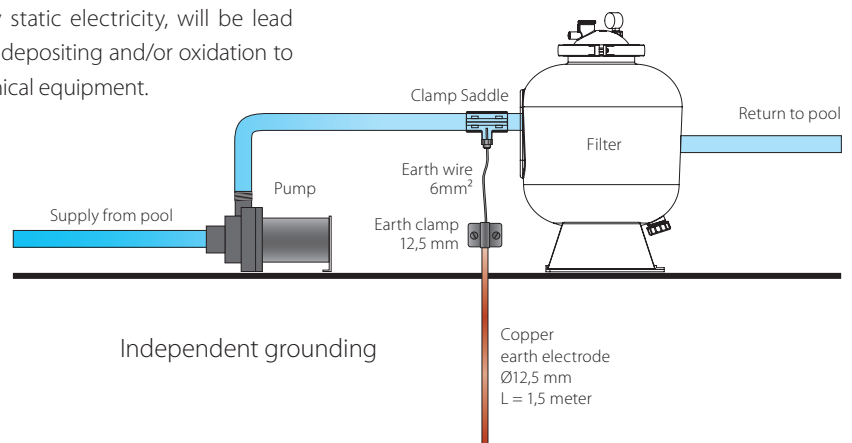
1. Insufficient grounding of pool water (pool bonding)
2. Corrosive water

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.

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

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

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)

Chart of factors

°C	TF	CACO3 MG/L	AF	CACO3 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 ₃	2,2
Calcium hardness	150mg/l CaCO ₃	1,8
Sum of factors		12,1

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

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

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
Sum of factors		12,5

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

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

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
Sum of factors		11,6

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

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

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 CaCO₃/l
- Calcium hardness up to max. 200 mg CaCO₃/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 HCO₃ 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

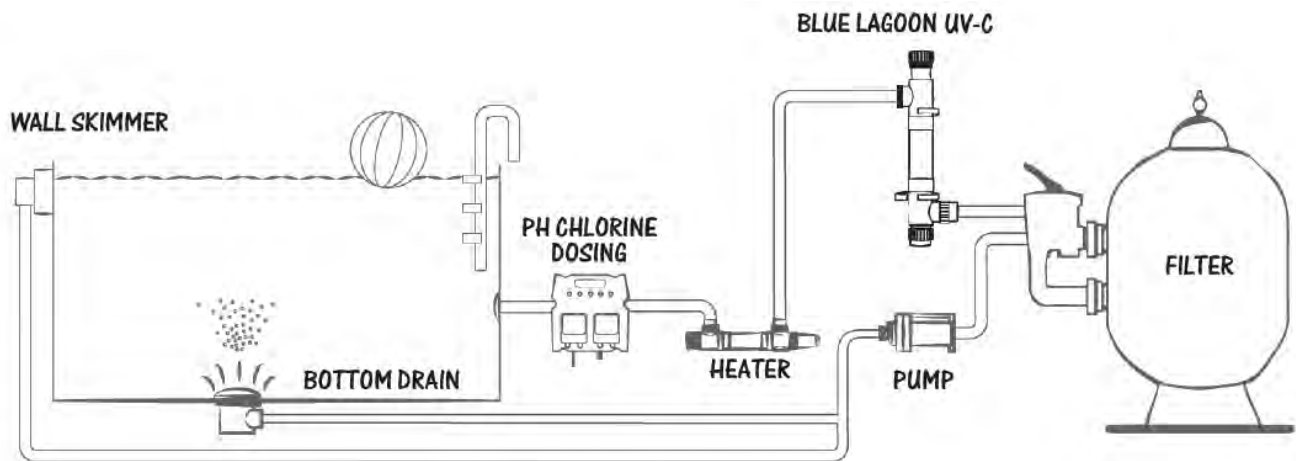
Tap water with a low hardness often lack carbonic acid compounds, besides low calcium- and magnesium compounds. As a result a negative saturation index might occur. The concentration of calcium compounds in the water can be increased by adding calcium chloride to the water.

Correction of a too high saturation index

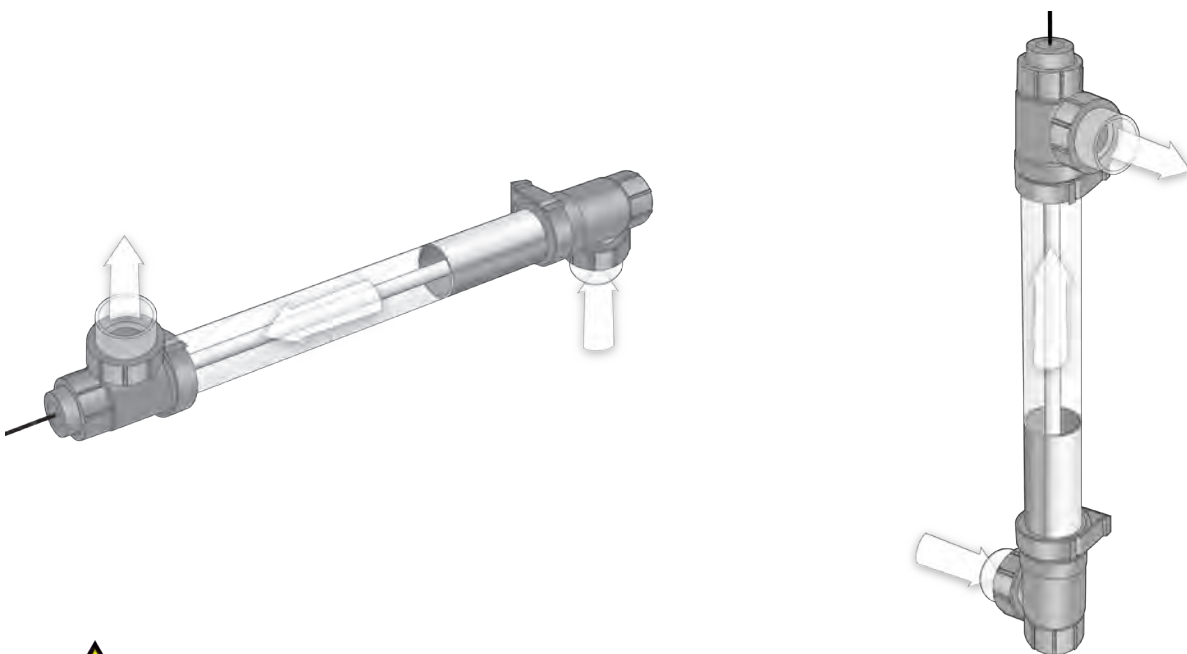
In case of a positive saturation content of more than +0.3, the saturation index has to be reduced to the value preferred. In contrast to the increase of the saturation factor, the possibility of reduction is more restricted. The reduction of the HCO₃ content is possible by intensive aeration in combination 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!

Possible installation



Possible installation and flow direction

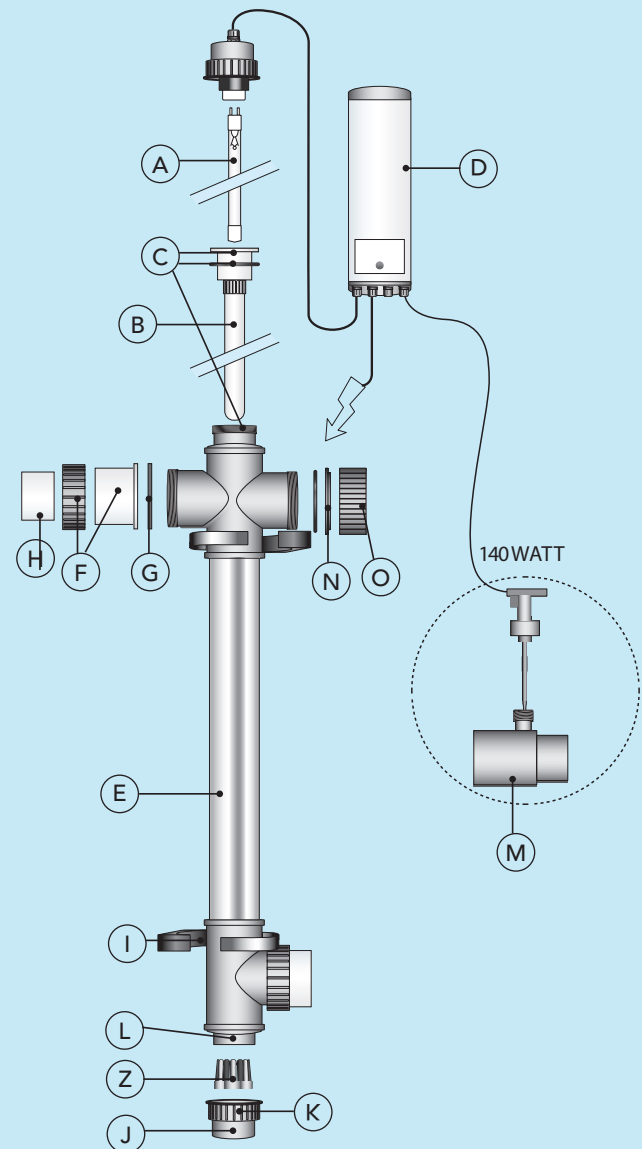


Warning! Make sure the flow always goes from bottom to top, to prevent air inclusion.

Please refer to page 8 for the product information

Blue Lagoon Xpert Duplex UV-C

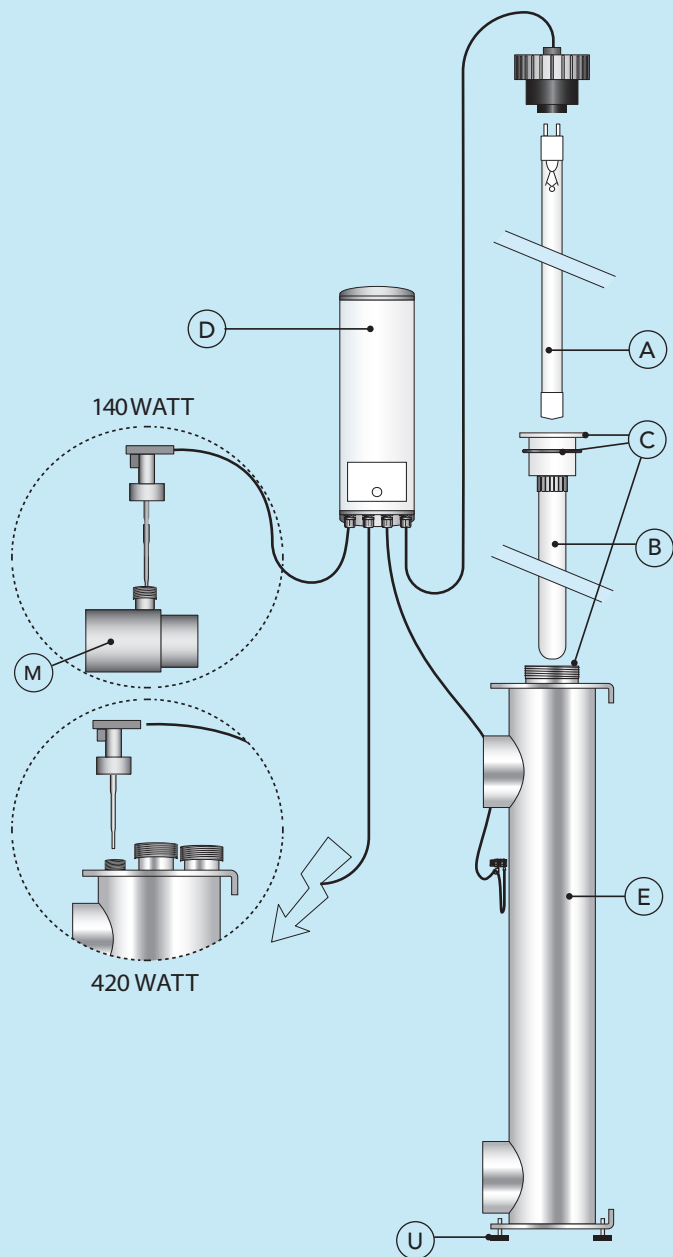
ART. NUMBER	DESCRIPTION
BP08752	Duplex UV-C 80W
BP08132	Duplex UV-C 140W Amalgam
F980010	A Lamp LightTechT5 80W 4P Base X
F980020	A Lamp VGE T6 140W Amalgam 4P Base X
QG015	B Quartz Glass VSC 933 x 25 mm 40/75/80W AM
QG012	B Quartz Glass VSC 920 x 30 mm 130 / 140W AM
E800912	C O-Ring for quartz sleeve (3 pieces)
EP080008	D Electrics for Blue Lagoon Duplex 80W
EP130021	D Electrics for Blue Lagoon Duplex 140W incl. flow switch
H170004	E Housing for Blue Lagoon Duplex 80W
H170005	E Housing for Blue Lagoon Duplex 140W
B915000	F 3-Way connection 63mm (2 pieces)
E800944	F 3-Way connection size USA/UK (60,5mm) (2 pieces)
E800941	G O-Ring for 3-way connection (2 pieces)
F990115	H Reduction piece 1,5" female threaded x 63 out 50 in ABS
E801107	I Installation grip 75mm black
F990011BU	J End cap 80W black
F990107	J End cap 140W black
B290010	K Nut for end cap Blue Lagoon Duplex UV-C
3902110	L O-ring EPDM 59,99 x 2,62mm
B290020	M Reduction piece 63/63 3/4" screw-thread for flow switch
B290021	M Reduction piece 60,3/60,3 3/4" screw-thread for flow switch
F990196BU	N Closing lid Duplex UV-C
B290009	O Nut 83,5 x 32mm Blue
SP0073	Z Quartz glass - stabilizer 25-30mm POM black



Please refer to page 9 for the product information

Blue Lagoon **Xpert Buster UV-C**

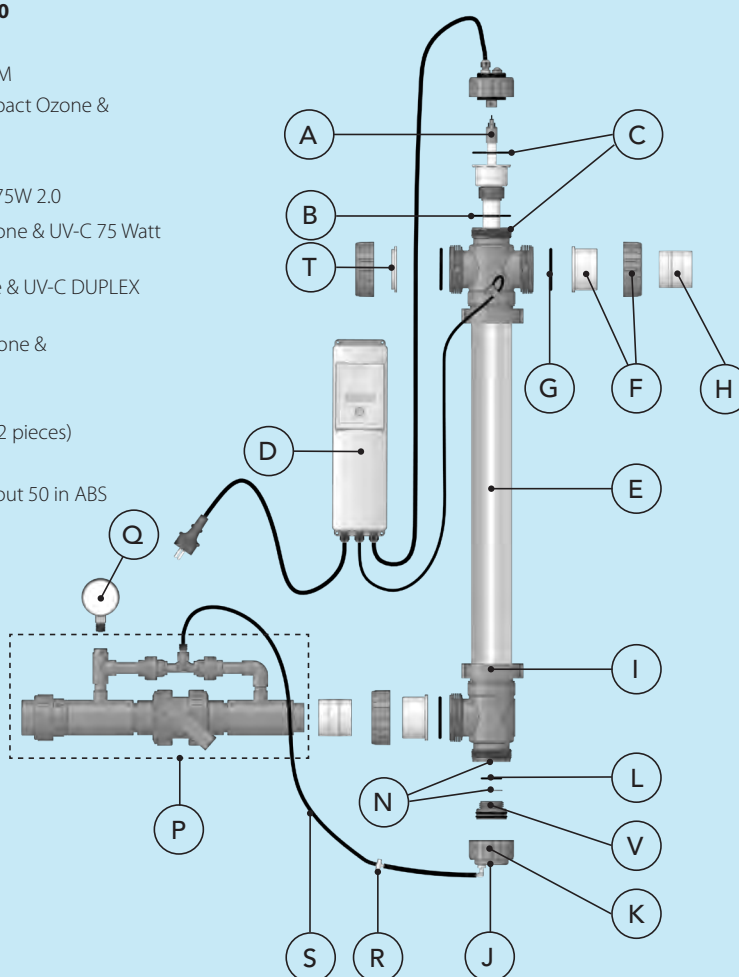
ART. NUMBER	DESCRIPTION
BP07082	Buster UV-C 80W
BP07132	Buster UV-C 140W Amalgam
BP07392	Buster UV-C 420W Amalgam
F980010	Lamp LightTech T5 80W 4P Base X
F980020	A Lamp LightTech T6 140W Amalgam 4P Special Base X AM
QG075	B Quartz glass VSC 855x31mm AM
E800912	C O-Ring for quartz sleeve (3 pieces)
EP080020	Electrics for Blue Lagoon Buster 80W
EP130016	D Electrics for Blue Lagoon Buster 140W incl. flow switch
EP390005	Electrics for Blue Lagoon Buster 420W incl. flow switch
B212130	Housing for Blue Lagoon Buster 80W
B212131	E Housing for Blue Lagoon Buster 140W
B212120	Housing for Blue Lagoon Buster 420W
B290020	Reduction piece 63/63 3/4" screw-thread for flow switch
B290021	M Reduction piece 60,3/60,3 3/4" screw-thread for flow switch
E801533	U Adjustable foot



Please refer to page 10 for the product information

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

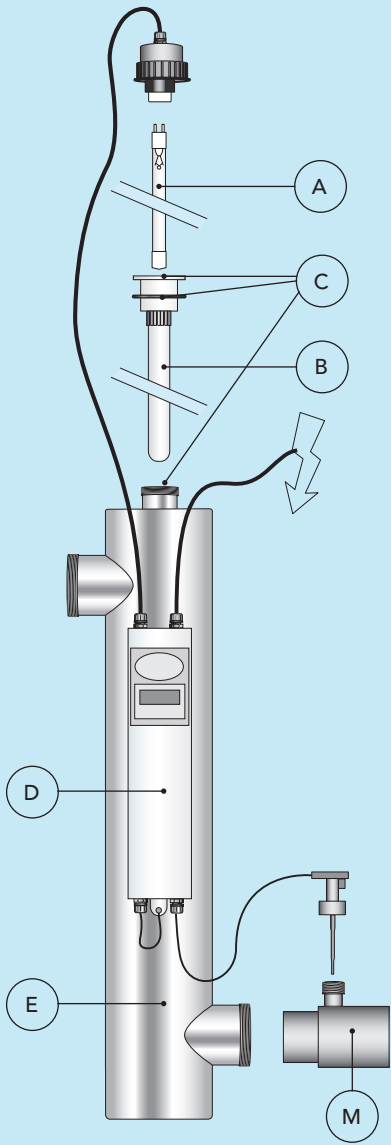
ART. NUMBER	DESCRIPTION
BH12752	AOP Compact Ozone & UV-C 75 Watt 2.0
4800033	A AOP Compact Ozone & UV-C lamp 75 Watt
QG109	B Quartz Glass VSC 925 x 30 mm open end AM
QG025	B Quartz glass sleeve Blue Lagoon AOP Compact Ozone & UV-C 75 Watt (pré 2021)
E800912	C O-Ring for quartz sleeve (3 pieces)
EP075070	D Electrics for BL UV-C AOP Compact Ozone 75W 2.0
EP075008	D Electrics for Blue Lagoon AOP Compact Ozone & UV-C 75 Watt (pré 2021)
H170024	E Housing Blue Lagoon AOP Compact Ozone & UV-C DUPLEX 75W
B220011	E Housing for Blue Lagoon AOP Compact Ozone & UV-C 75 Watt (pré 2021)
B915000	F 3-Way connection 63mm (2 pieces)
E800944	F 3-Way connection size USA/UK (60,5 mm) (2 pieces)
E800941	G O-Ring for 3-way connection (2 pieces)
F990115	H Reduction piece 1,5" female threaded x 63 out 50 in ABS
B290006	I Installation grip 75 mm/blue
F990103	J End cap ozone with 1 air plug
B290010	K Nut 70 mm x 33,5 mm
3902158	L O-ring NBR 57x2,5 ENDCAP
3902095	L O-ring Viton 60 x 3 mm (pré 2021)
3901013	V Open Glass adapter T-piece ABS black
3902269	N Sealing set + leaflet Ozon
4800116	O Handgrip complete for Ozone (pré 2021)
4800068	P Venturi unit (excl. Manometer)
4800099	Q Manometer for Ozone high pressure
4800145	R Ozon Check valve + hose (16cm + 72cm)
4800020	S PE hose black for ozone
F990196BU	T Closing lid black



Please refer to page 12 for the product information

Blue Lagoon **Inox UV-C**

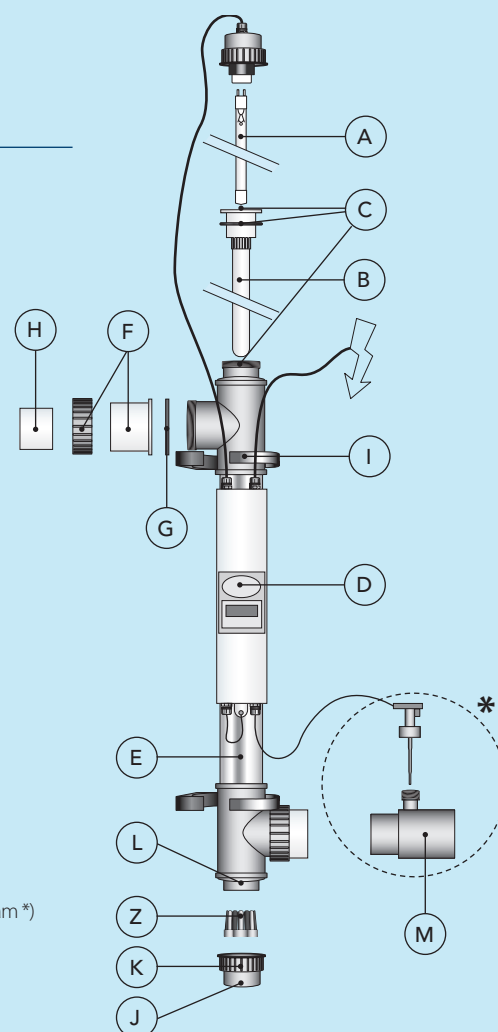
ART. NUMBER	DESCRIPTION
BP02752	Inox UV-C 75 Watt
BP02132	Inox UV-C 130 Watt Amalgam
E800902P	A Lamp TUV 36T5 HO 4P-SE (75 Watt)
E800904	
QG015	B Quartz Glass VSC 933 x 25 mm 40/75/80W AM
QG012	
E800912	C O-Ring for quartz sleeve (3 pieces)
EP075010.1	D Electrics for Blue Lagoon Inox 75 Watt incl. flow switch
EP130007	D Electrics for Blue Lagoon Inox 130 Watt incl. flow switch
B212002	E Housing for Blue Lagoon Inox
B290020	M Reduction piece 63/63 3/4" screw-thread for flow switch
B290021	



Please refer to page 13 for the product information

Blue Lagoon Timer UV-C

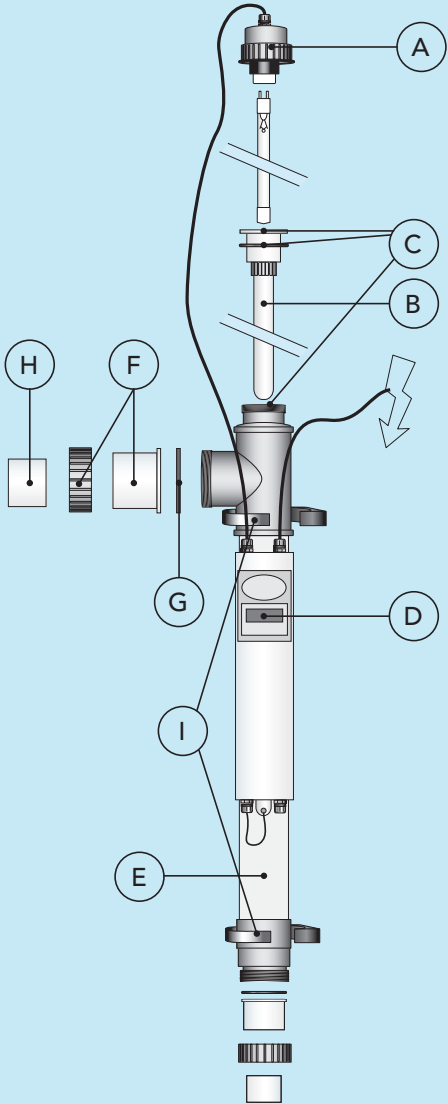
ART. NUMBER	DESCRIPTION
BH01402	Timer UV-C 40 Watt
BH01752	Timer UV-C 75 Watt
BH01132	Timer UV-C 130 Watt Amalgam*
E800901P	Lamp TUV 36T5 4P-SE (40 Watt)
E800902P	A Lamp TUV 36T5 HO 4P-SE (75 Watt)
E800904	Lamp TUV 130 Watt 4P-SE Amalgam
QG015	B Quartz Glass VSC 933 x 25 mm 40/75/80W AM
QG012	B Quartz Glass VSC 920 x 30 mm 130 / 140W AM
E800912	C O-Ring for quartz sleeve (3 pieces)
EP040004	Electrics for Blue Lagoon Timer UV-C 40 Watt
EP075006	D Electrics for Blue Lagoon Timer UV-C 75 Watt
EP130006	Electrics for BL Timer UV-C 130 Watt with flow switch
B212003	E Housing for Blue Lagoon Timer UV-C 40/75 Watt
B910003	Housing for Blue Lagoon Timer UV-C Amalgam 130 Watt
B915000	F 3-Way connection 63mm (2 pieces)
E800944	F 3-Way connection size USA/UK (60,5 mm) (2 pieces)
E800941	G O-Ring for 3-way connection (2 pieces)
F990115	H Reduction piece 1,5" female threaded x 63 out 50 in ABS
B290006	I Installation grip 75 mm for Blue Lagoon Timer UV-C
F990009	J End cap 40/75 Watt
F990010	End cap amalgam 130 Watt
B290010	K Nut for end cap Blue Lagoon Timer UV-C
3902110	L O-ring for end cap Blue Lagoon Timer UV-C
B290020	Reduction piece 63/63 3/4" screw-thread for flow switch (only for 130 Watt Amalgam *)
B290021	Reduction piece 60,3/60,3 3/4" screw-thread for flow switch (only for 130 Watt Amalgam *)
F990954	Z Quartz glass - stabilizer 25-30mm POM black



Please refer to page 14 for the product information

Blue Lagoon **Saltwater Timer UV-C**

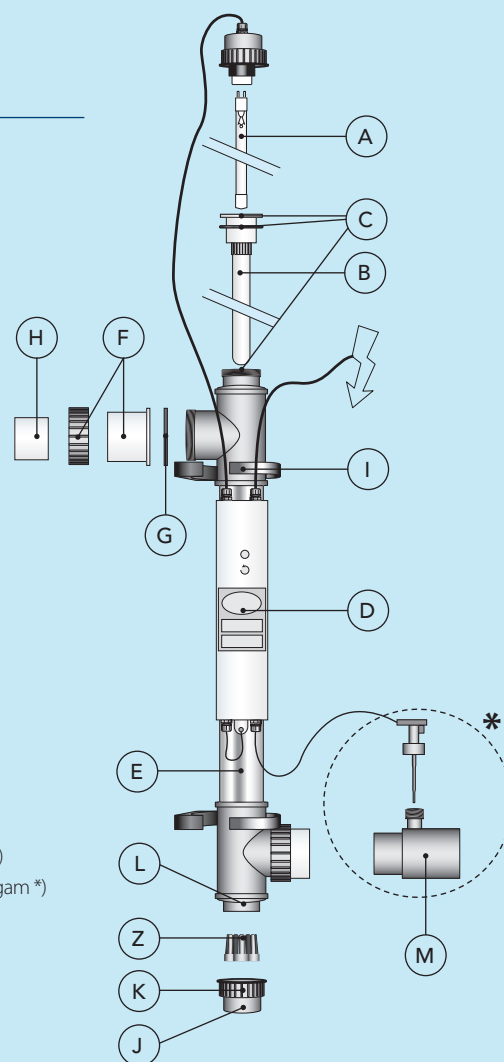
ART. NUMBER	DESCRIPTION
BH10402	Saltwater Timer UV-C 40 Watt
BH10752	Saltwater Timer UV-C 75 Watt
E800901P	A Lamp TUV 36T5 4P-SE (40 Watt)
E800902P	
QG015	B Quartz Glass VSC 933 x 25 mm 40/75/80W AM
E800912	C O-Ring for quartz sleeve (3 pieces)
EP040008	D Electrics for Blue Lagoon Saltwater Timer UV-C 40 Watt
EP075016	
B910003ZW	E Housing for Blue Lagoon Saltwater Timer UV-C 40/75 Watt
B915000	F 3-Way connection 63mm (2 pieces)
E800944	
E800941	G O-Ring for 3-way connection (2 pieces)
F990115	H Reduction piece 1,5"female threaded x 63 out 50 in ABS
B290006	I Installation grip 75 mm for Blue Lagoon Saltwater Timer UV-C



Please refer to page 15 for the product information

Blue Lagoon **Signal UV-C**

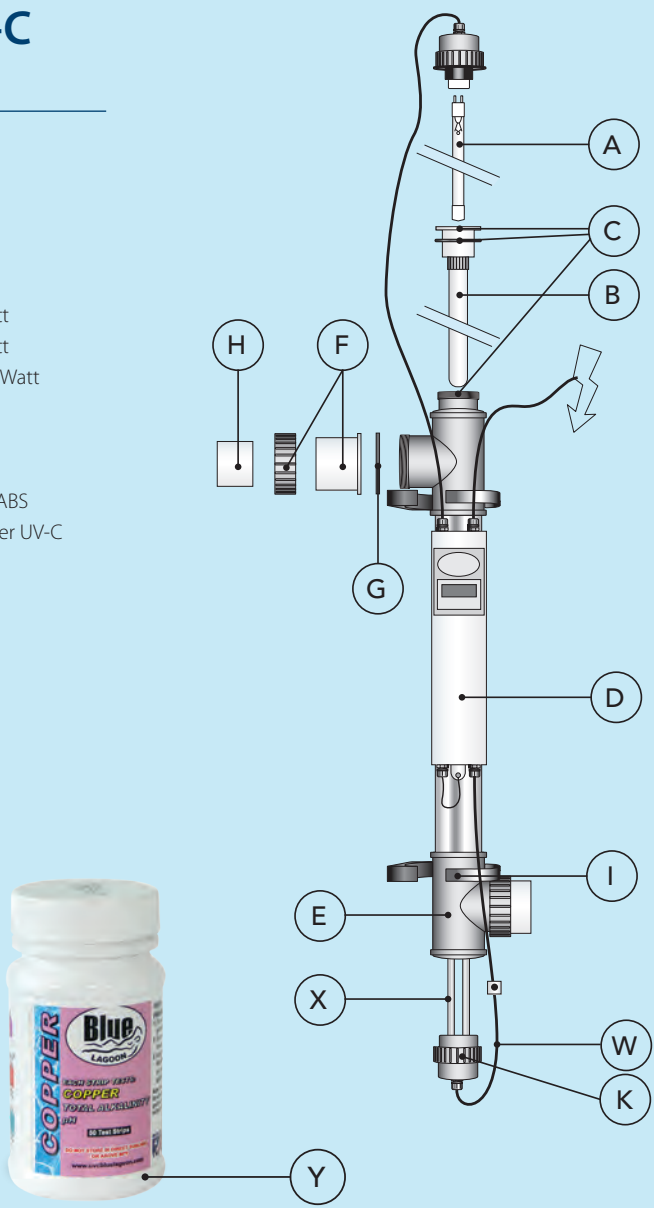
ART. NUMBER	DESCRIPTION
BH11402	Signal UV-C 40 Watt
BH11752	Signal UV-C 75 Watt
BH11132	Signal UV-C 130 Watt Amalgam*
F980002	Lamp VGE T5 40W 4P Base F
F980004	A Lamp VGE T5 75W 4P Base F
F980008	Lamp LightTech T6 130W Amalgaam 4P Special Base M AM
QG015	B Quartz Glass VSC 933 x 25 mm 40/75/80W AM
QG012	B Quartz Glass VSC 920 x 30 mm 130 / 140W AM
E800912	C O-Ring for quartz sleeve (3 pieces)
EP040035	Electrics for Blue Lagoon Signal UV-C 40 Watt
EP075039	D Electrics for Blue Lagoon Signal UV-C 75 Watt
EP130014	Electrics for Blue Lagoon Signal UV-C 130 Watt with flow switch
B212003	E Housing for Blue Lagoon Signal UV-C 40/75 Watt
B910003	Housing for Blue Lagoon Signal UV-C Amalgam 130 Watt
B915000	F 3-Way connection 63mm (2 pieces)
E800944	F 3-Way connection size USA/UK (60,5 mm) (2 pieces)
E800941	G O-Ring for 3-way connection (2 pieces)
F990115	H Reduction piece 1,5" female threaded x 63 out 50 in ABS
B290006	I Installation grip 75 mm for Blue Lagoon Signal UV-C
F990009	J End cap 40/75 Watt
F990010	End cap amalgam 130 Watt
B290010	K Nut for end cap Blue Lagoon Signal UV-C
3902110	L O-ring for end cap Blue Lagoon Signal UV-C
B290020	Reduction piece 63/63 3/4" screw-thread for flow switch (only for 130Watt Amalgam *)
B290021	Reduction piece 60,3/60,3 3/4" screw-thread for flow switch (only for 130 Watt Amalgam *)
F990954	Z Quartz glass - stabilizer 25-30mm POM black



Please refer to page 16 for the product information

Blue Lagoon **Copper Ionizer UV-C**

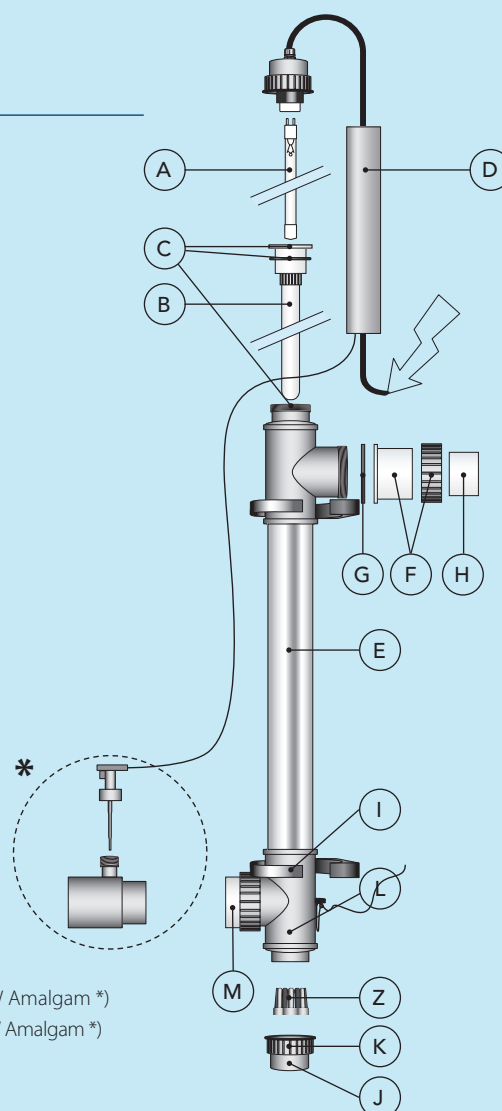
ART. NUMBER	DESCRIPTION
BH04402	Copper Ionizer UV-C 40 Watt
BH04752	Copper Ionizer UV-C 75 Watt
B280002	A Lamp Blue Lagoon Copper Ionizer UV-C 40 Watt
B280001	A Lamp Blue Lagoon Copper Ionizer UV-C 75 Watt
QG017	B Quartz Glass VSC 695 x 25 mm 40/75W AM
E800912	C O-Ring for Quartz sleeve (3 pieces)
EP040007	D Electrics for Blue Lagoon Copper Ionizer UV-C 40 Watt
EP075011	D Electrics for Blue Lagoon Copper Ionizer UV-C 75 Watt
B220002	E Housing for Blue Lagoon Copper Ionizer UV-C 40/75 Watt
B915000	F 3-Way connection 63mm (2 pieces)
E800944	F 3-Way connection size USA/UK (60,5 mm) (2 pieces)
E800941	G O-Ring for 3-way connection (2 pieces)
F990115	H Reduction piece 1,5" female threaded x 63 out 50 in ABS
B290006	I Installation grip 75mm for Blue Lagoon Copper Ionizer UV-C
E801215	W Wire connector
B290010	K Nut 70mm x 33,5mm
B290029	X Copper for Blue Lagoon Copper Ionizer UV-C
B200020	Y Test strips voor Blue Lagoon Copper Ionizer UV-C



Please refer to page 17 for the product information

Blue Lagoon Tech UV-C

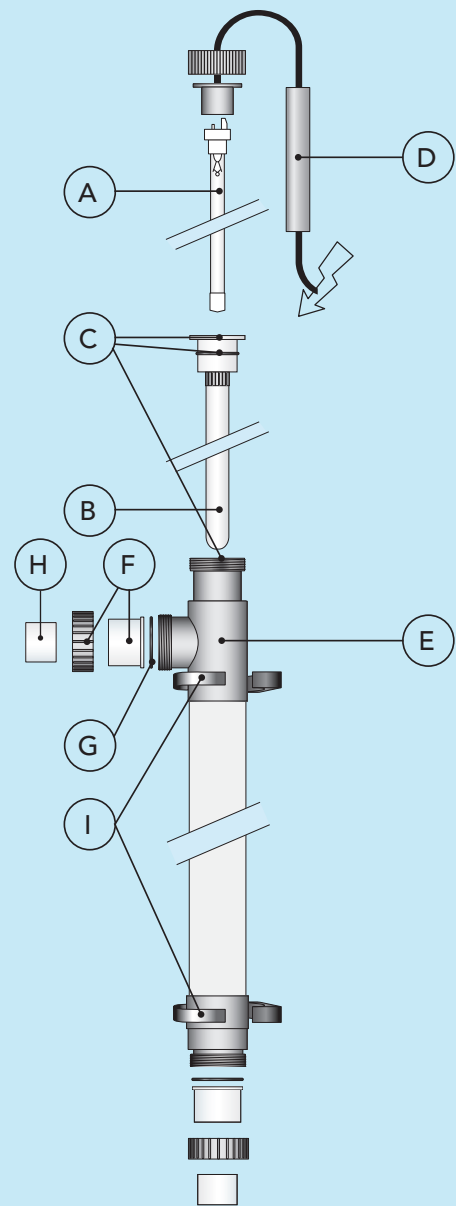
ART. NUMBER	DESCRIPTION
BE02162	Tech UV-C 16 Watt
BE02402	Tech UV-C 40 Watt
BE02752	Tech UV-C 75 Watt
BE03132	Tech UV-C 130 Watt Amalgam*
F980065	A Lamp 16 Watt for Blue Lagoon Tech UV-C
F980002	
F980004	
E800904	
QG018	B Quartz Glass VSC 400 x 25 mm 16/40W AM
QG015	
QG012	
E800912	C O-Ring for Quartz sleeve (3 pieces)
EP040011	D Electrics for Blue Lagoon Tech UV-C 16/40 watt
EP075014	
EP130009	
B910000	E Housing for Blue Lagoon Tech UV-C 16 Watt
B910002	
B910005	
B915000	F 3-Way connection 63mm (2 pieces)
E800944	
E800941	G O-Ring for 3-way connection (2 pieces)
F990115	H Reduction piece 1,5" female threaded x 63 out 50 in ABS
B290006	I Installation grip 75 mm for Blue Lagoon Tech UV-C
F990010	J End cap Blue Lagoon Tech UV-C 130 Watt Amalgam
F990009	K Nut for end cap Blue Lagoon Tech UV-C
B290010	L O-ring EPDM 59,99 x 2,62 mm
3902110	M Reduction piece 63/63 3/4" screw-thread for flow switch (only for 130W Amalgam *)
B290020	M Reduction piece 60,3/60,3 3/4" screw-thread for flow switch (only for 130W Amalgam *)
F990954	Z Quartz glass - stabilizer 25-30mm POM black



Please refer to page 18 for the product information

Blue Lagoon **Saltwater UV-C**

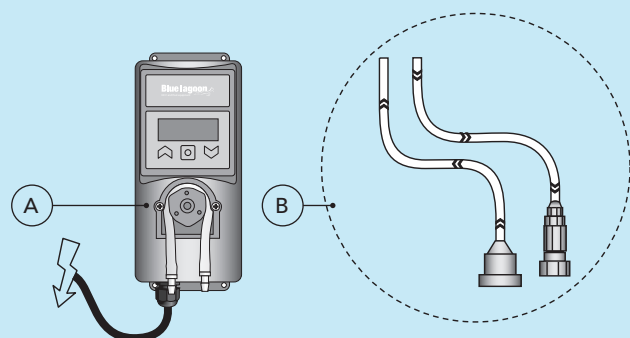
ART. NUMBER	DESCRIPTION
BE06402	Saltwater UV-C 40 Watt
BE06752	Saltwater UV-C 75 Watt
BE07402	Saltwater UV-C Short 40 Watt
B280006	Philips Smart Cap Lamp 40 Watt
B280005	A Philips Smart Cap Lamp 75 Watt
F980068	Lamp 40 Watt, length 365mm
QG020	B Quartz Glass VSC 933 x 28,5 mm 40/75W AM
QG018	Quartz Glass VSC 400 x 25 mm 16/40W AM
E800912	C O-Ring for Quartz sleeve (3 pieces)
EP040019	Electrics for Saltwater UV-C 40 Watt
EP075015	D Electrics for Saltwater UV-C 75 Watt
EP040021	Electrics for Saltwater 40 Watt Short
B910002ZW	E Housing for Saltwater 40/75 Watt
B910004ZW	Housing for Blue Lagoondf Salt Water 40 Watt Short
B915000	F 3-Way connection 63mm (2 pieces)
E800941	G O-Ring for 3-way connection (2 pieces)
F990115	H Reduction piece 1,5" female threaded x 63 out 50 in ABS
B290006	I Installation grip 75 mm for Blue Lagoon Saltwater UV-C



Please refer to page 43 for the product information

Blue Lagoon **Dosatech**

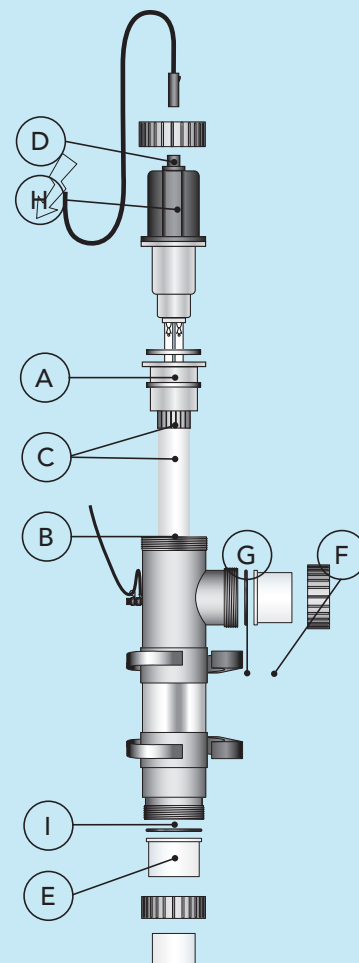
ART. NUMBER	DESCRIPTION
B210010N	Dosatech
B290065	A Pump head
B200030	B Dosing pump replacement set



Please refer to page 19 for the product information

Blue Lagoon Tech Spa UV-C

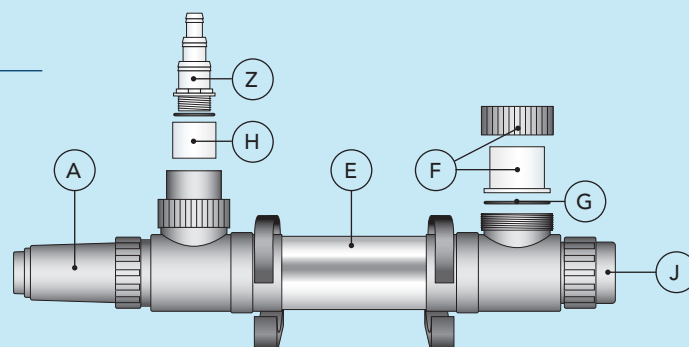
ART. NUMBER	DESCRIPTION
BE21122	Blue Lagoon Tech Spa UV-C 12 Watt 230V
B212012	A PL-S Module 12W Spa UV-C Philips
B212012 USA	A PL-S Module 15W Spa UV-C Philips
QG038	B Quartz sleeve 277 x 40 mm 11W
3902041	C O-Ring 56x3 UV-C housing/glass
E801205	D Cable 230V
B910001	E Housing for Blue Lagoon Tech Spa UV-C
B915000	F 3-way connection 63mm
E800944	F 3-way connection 2" USA/UK
E801507	G O-ring for 3-way connection
B290010	H Nut 70 mm x 33,5mm blue
B290006	I Installation Grip 75mm



Please refer to page 42 for the product information

ProfiHeater 3kW

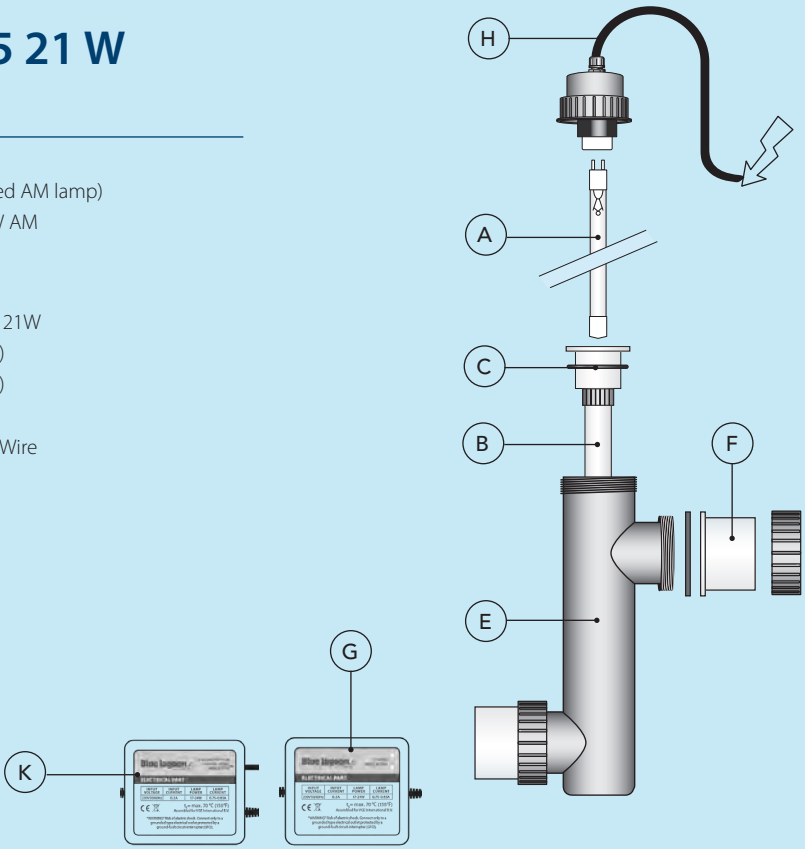
ART. NUMBER	DESCRIPTION
E830010	ProfiHeater 3Kw
6900393	A Heater element for ProfiHeater 3kW
E830011	E Housing for ProfiHeater 3kW
E800940	F 3-Way connection ProfiHeater
E800941	G O-Ring for 3-way connection (2 pieces)
F990115	H Reduction piece 1,5" female threaded x 63 out 50 in ABS
F990010	J End cap
7201142	Z Reduce set 63 mm > 50mm glue / screw + hose adapter 40-32-25 mm (2pcs) (optional)



Please refer to page 20 for the product information

Blue Lagoon Spa UV-C T5 21 W

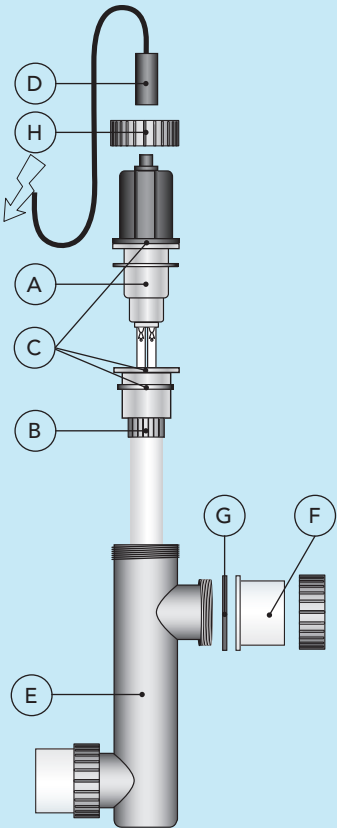
ART. NUMBER	DESCRIPTION
BE01212	Spa UV-C 21 Watt 230V
F980121	A Lamp VGE T5 21W 4P Base G (Packed AM lamp)
QG089	B Quartz Glass VSC 281 x 25 mm 21W AM
E800912	C O-Ring for Quartz sleeve (3 pieces)
E801205	D Cable 230V
B212013	E Housing for Blue Lagoon Spa UV-C 21W
B212014	F 3-Way connection 50mm (2 pieces)
B212015	G 3-Way connection 48mm (2 pieces)
EP021001	H Electrics for BL UV-C Spa 21W LED
EP021003	I Electrics for BL UV-C Spa 21W 0-5V Wire



Please refer to page 21 for the product information

Blue Lagoon Spa UV-C PLS 12 - 15 W

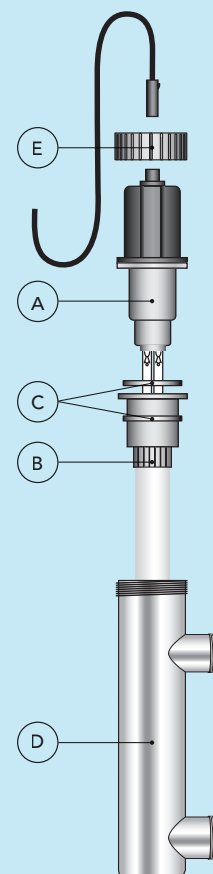
ART. NUMBER	DESCRIPTION
BE01122	Spa UV-C 12 Watt 230V
B212012	A Lamp PLS module 12 Watt
B212012USA	B Lamp PLS module 15 Watt
QG026	C Quartz glass sleeve UV-C 11/12/15 Watt
E800912	D O-Ring for Quartz sleeve (3 pieces)
E801205	E Cable 230V
B212013	F Housing for Blue Lagoon Spa UV-C PLS Module
B212014	G 3-Way connection 50mm (2 pieces)
B212015	H 3-Way connection 48mm (2 pieces)
E801509	I O-Ring for 3-way connection (2 pieces)
3901045	J Nut 70mm x 33,5mm black



Please refer to page 22 for the product information

Blue Lagoon Spa Inox UV-C

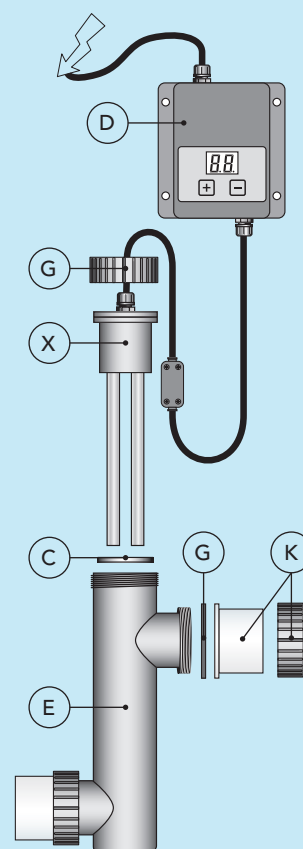
ART. NUMBER	DESCRIPTION
BH07122	Blue Lagoon Spa UV-C Inox 12 Watt 230V
BH07151	Blue Lagoon Spa UV-C Inox 15 Watt 120V
B212012	A Lamp PLS module 12 Watt
B212012 USA	A Lamp PLS module 15 Watt
QG026	B Quartz glass sleeve Spa Inox
3902109	C O-Ring
B212041	D Housing for Blue Lagoon Spa Inox
3901045	E Nut 70mm x 33.5mm black



Please refer to page 40 for the product information

Blue Lagoon Copper Electrolyzer

ART. NUMBER	DESCRIPTION
BE05752	Copper Electrolyzer
B290029	X Copper unit for Blue Lagoon Copper Electrolyzer
B290076	D Control Box for Blue Lagoon Copper Electrolyzer
3902041	C O-Ring 56x3 mm Housing-Glass
B212013	E Housing Blue Lagoon Spa UV-C / Copper Electrolyzer
B212014	F 3-Way connection 50mm (2 pieces)
B212015	F 3-Way connection 48mm (2 pieces)
E801509	G O-Ring for 3-way connection (2 pieces)
B290010	K Nut for end cap Blue Lagoon 70mm x 33,5mm
B200020	Y Test strips for Blue Lagoon Copper Electrolyzer





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