

Copper Ionizer UV-C



What is the disinfection mechanism of copper ionization?

Electrically charged copper ions (Cu^{2+}) 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.



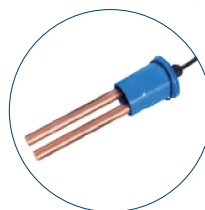
This combination of UV-C and copper electrolysis in one disinfection system to minimize the use of chlorine.

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/cm ²	11 m ³ /h	16 m ³ /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 m ³ /h	23 m ³ /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