

DISINFECTION 09/11

# COPPER IONIZER UV



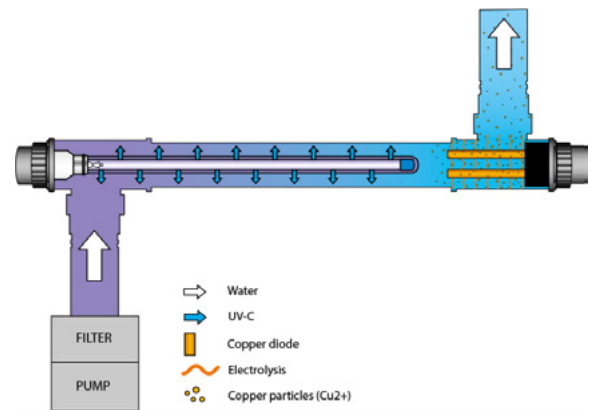
## ✓ Technical features

- This revolutionary combination of UV-C and copper electrolysis in one disinfection system, minimizing the use of chlorine
- A built-in electronic ballast to ensure an efficient and stable power supply
- Enables swimming with very low amount of chlorine
- Up to 35% more UV-C yield as a result of reflection
- Easy installation and maintenance
- Includes 63mm to 50mm fittings, 1.5" female threaded

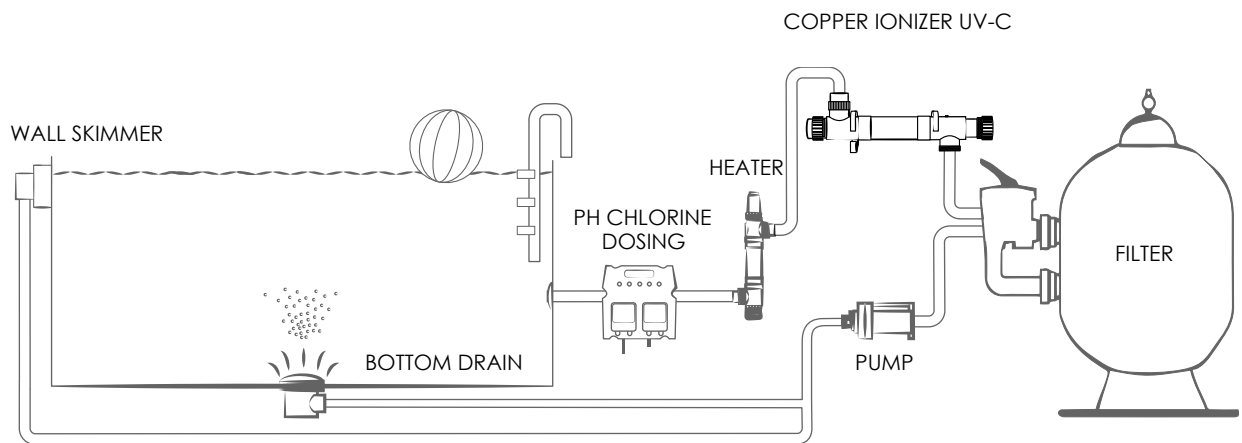
### Operation:

This revolutionary 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 safely disinfect your pool. This device is able to reduce the chlorine concentration up to 100%! Max. copper: 0.7 ppm. Connections: Ø 63mm / 50mm / 1"



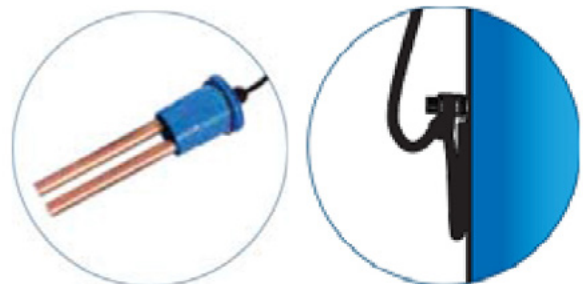
## ✚ System setup



### WHAT IS THE DISINFECTION MECHANISM OF COPPER IONIZATION?

Electrically charged copper ions (Cu<sup>2+</sup>) in the water, search for particle of opposite polarity, such as bacteria, virus 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 is no longer able to reproduce and therefore will eventually die. The ions remain active until they are absorbed by all microorganisms



PLEASE NOTE THE CORRECT GROUNDING

## Models

PRODUCT CODE	UV-C-01	UV-C-02
TYPE	40,000/ 40 W	75,000/ 75 W
REC.FLOW FOR 30 MJ/CM <sup>2</sup>	11 m <sup>3</sup> /h	16 m <sup>3</sup> /h
MAX.PRESSURE	2	2
MAX.FLOW	23	23
DIAMETER UNIT	70 mm	70 mm
LENGTH UNIT	100 cm	100 cm
DIAMETER IN -OUTLET	63 mm/50 mm/1.5"	63 mm/50 mm/1.5"
STAINLESS STEEL	316 L	316 L
ELECTRONIC BALLAST	230V AC 50/60Hz	230V AC 50/60Hz
MAXIMUM CURRENT	0.29A	0.29A
LAMP POWER	40 W	75 W
LAMP	T5 40 W Ionizer	T5 75 W Ionizer
LIFESPAN LAMP	9.000 h	9.000 h
COPPER IONIZER	0.7 ppm	0.7 ppm
REPLACE LAMP ALERT	YES	YES
WEIGHT	5 KG	5.2 KG
PACKING	1	1
VOLUME	0.042	0.042



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