

## COPPER IONIZATION SYSTEM / 06B210027



**Product Details:** The Gemas Ionization System will clean 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 Gemas Ionization System 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 Gemas Ionization System. 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 ( $\text{Cu}^{2+}$ ) in the water have a positive charge and destroy the cell walls of algae, bacteria, viruses and other primitive organisms. 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 and, in terms of results, can be compared with the effect of chlorine.

Thanks to the Gemas Ionization System, your swimming pool water will be disinfected efficiently and safely, and the quality of your water will remain excellent.

### Technical Characteristic

- Copper unit is sufficient for 2 swimming seasons (4500 hours)
- Easy installation and maintenance
- 2-year guarantee with respect to manufacturing faults
- The Gemas Ionization System is earthed
- Ideal in combination with UV-C

#### Advantages :

- Ensures fresh, clean and clear water
- Disinfects water efficiently and safely
- Protects your pool from germs
- Keeps the formation of mould, bacteria and algae under control
- Can reduce the use of chlorine and other chemicals by 100%



Technical Specifications	Copper Electrolyzer
Swimming pool content (L)	max 120.000 L
Maximum throughput	10.000 l/h
Maximum copper	0.8 p.p.m.
Maximum pressure	1 bar
Maximum temperature	50°C
Minimum temperature	0°C
Connection	Ø 48 / Ø 50 mm
Length of the device	35 cm