

# HEM UV Sterilizer Type Ultra

Disinfection by means of ultraviolet light (UV) is an efficient, economic and particularly environmentally friendly process.

UV light kills pathogen micro-organisms within a few seconds without leaving any residues, harmful by-products or affecting the smell or taste of the water. UV radiation of drinking water does not cause any undesired secondary reactions based on the UV doses used for disinfection. Since it does not add any disinfecting substances to the water during UV radiation, there are no deposits.

The disinfection effectiveness depends on the minimum UV radiation (UV dose), i.e. the time that a micro-organism is exposed to a certain intensity of UV radiation. At a UV dose of 400 J/m<sup>2</sup> the most important human pathogens bacteria and viruses are reduced by 4 logs (decimal exponents), which corresponds to international requirements and ensures safe disinfection.

The HEM UV ULTRA steriliser has an advanced state-of-the-art design providing reliability and ease of maintenance. The radiation chamber produced in stainless steel (316Ti) has an almost unlimited service life. The high output UV lamp is suitable for 10,000 hrs of continuous operation and optimised performance and flow rates.

- Compact pre-assembled unit for instant operation.
- Reliable, simple and robust design for user friendly and easy servicing.
- Approved performance which is accepted worldwide.
- High quality at affordable cost.

Mounting options are either a threaded or flange connection. The Control Panel may be mounted either on the radiation chamber or separately.



## Technical Data

TYPE	ULTRA 4	ULTRA 7	ULTRA 10	ULTRA 20
UV Lamp Power (W)	80	80	130	200
UV 254mm Output (W)	25	25	37	60
Pipe Connection (G)	1"	1"1/4	1"1/4	2"
Pressure rating (Bar)	PN10	PN10	PN10	PN10
Protection class	Reactor 65 / Control Panel IP 65			
Max. flow rate (m3/h)	4	7	10	20
Weight Dry/Wet (Kg)	7/12	7/14	8/15	12/21