

3. DISINFECTION SYSTEMS

Applications:

- Treated residual water, with turbidity or colour, disinfection for pathogens germs elimination, keeping the water quality inside the tank, according to the RD 1620/2007 norm.
- Application: the water can be reuse for different use like garden or golf course watering, sanitary reload, vehicle cleaning, etc.

Characteristics:

- Compact equipment for water reuse, in accordance with the R.D. 1620/2007 norm.
- HYPOCHLORITE DISINFECTION SYSTEM:
 - Possible assembly on the PEHD structure with accessories according to the configuration: protection filter, probe, probe-holder, flow adjustment valve, hydraulic power supply pipe, supply point valve.
 - Interconnected elements, structure assembly with other tertiary treatment elements or independently supplied.
 - Regulation system and chlorine control by means of:
 - Flow measures pumps proportionally to the free chlorine or redox average (it's possible to include a chlorine/redox/pH regulator)
 - Redox/free chlorine/pH display regulator.
 - Redox probe or potentiometric probe.
 - Equipment for pH control and measure. pH probe.
 - 220 V electric power supply equipment. IP 54 protection. Work temperature: 0 to 45°C.
- DISINFECTION SYSTEM BY ULTRAVIOLET RADIATION.
 - Possible assembly on a structure.
 - Radiation chamber in AISI 304 and AISI 316 stainless steel.
 - Manual or automatic cleaning.
 - Electronic control module with visual and acoustic alarm in case of light failure. Counter and light substitution alarm.
 - Optional: UV intensity sensor incorporation.

UV DISINFECTION STATION

REF: EST-UV

Characteristics:

- Ultraviolet radiation generator equipment with a frequency of 254 nm.
- Radiation chamber in stainless steel AISI-304 (< 1,5 m³/h) and AISI 316 (> 1,5 m³/h). External electro polishing.
- High technology UV light.
- Automatic cleaning.
- Electronic control module with visual and acoustic alarm in case of light's failure. Time-switch and alarm to warn when the light need to be replaced.
- Optional: UV intensity sensor can be placed.
- The light can work during 7.500 hours.
- Works' maximal pressure: 9 bar.
- Removal of pathogen germs, noxious bacteria, virus and parasites.
- Do not produce noxious by-products.
- Optional: automatic cleaning (CONSULT US).



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REF.	FLOW [m³/h]	CONNECTIONS [inch]	POWER [W]	LIGHT DIAMETER [mm]	LIGHT LENGTH [mm]
EST-UV-1	Up to 0.3	3/8"	16	50	340
EST-UV-2	Up to 0.5	3/4" M	27	90	345
EST-UV-3	Up to 1.5	3/4" M	43	90	495
EST-UV-4	Up to 3.0	1" M	67	90	735
EST-UV-5	Up to 5.0	1" M	102	90	1100
EST-UV-6	Up to 10.0	2 x 1" M	2 x 67	2 x 90	2 x 735

FOR UPPER OR MEDIUM FLOW, CONSULT US