

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.

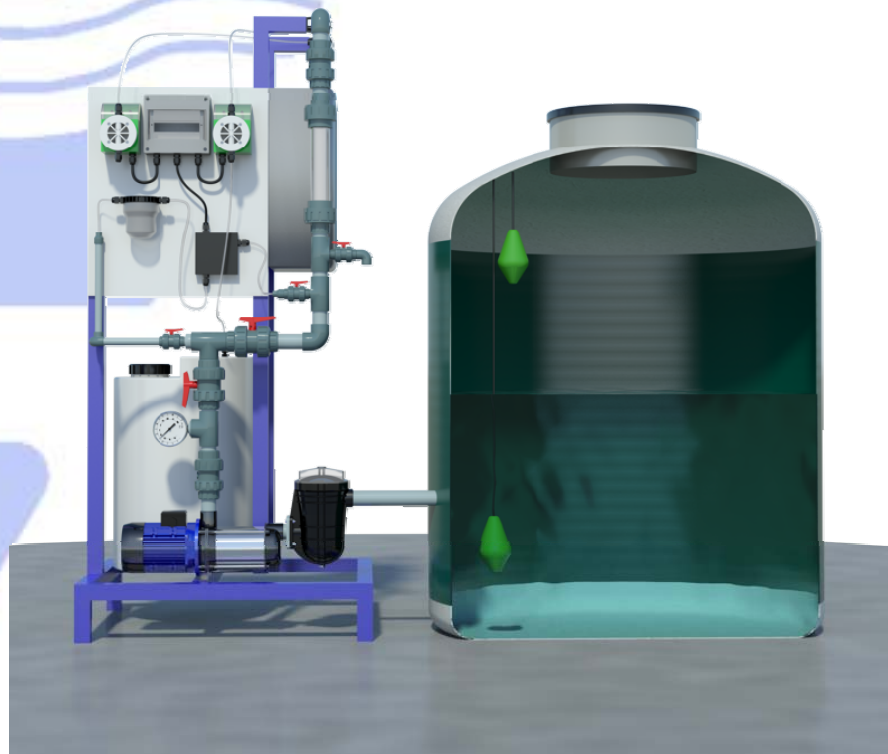
3.1.2. REDOX AUTOMATIC DOSING STATION
REF: SAL-RX

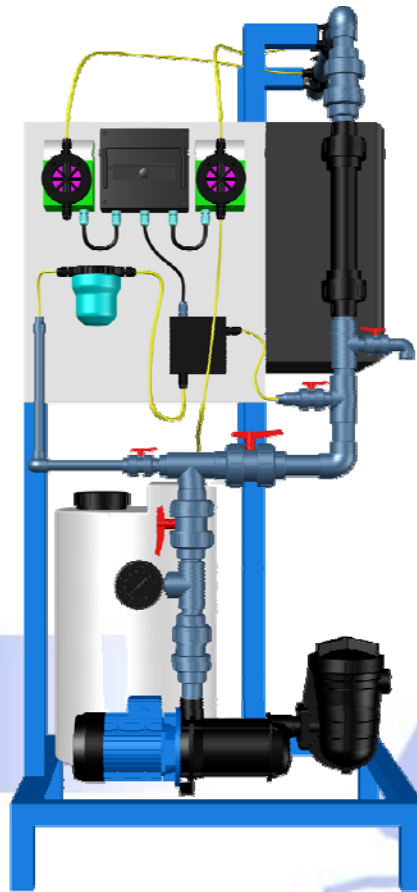
Chlorine – redox automatic equipment to maintain the water quality inside fire tanks, reuse tanks, WWTP effluent pathogens germs removal, composed of:

- Compact portable structure, Salher brand with hydraulic and electric interconnections:
 - 1 redox probe for power measurement in mV, mounted with probe support.
 - 1 digital regulator.
 - 1 dosing pump with level probe, accessories kit and disinfectant agents storage tank.
 - 1 cartridge filter of 100 micron.
 - 1 recirculation pump (submerged or above-ground) with prefilter, level system, shut-off and regulation valves.
 - 1 mounting panel.
 - 1 panel board.
 - 1 flowmeter.
 - 1 mobil photometer for equipment calibration.
 - Accessories kit: pressure gauge, sample point valve.

Optional:

Salher can provide treated reception and storage tank (above or underground), pH control and dosification system.





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REF.	STRUCTURE DIMENSIONS (AxLxH)	STRUCTURE WEIGHT (Kg)	WATER TANK CAPACITY* (m ³)
SAL-RX -10-SUP	1.0 X 1.0 X 1.80	55	10.0
SAL-RX -25- SUP	1.0 X 1.0 X 1.80	55	25.0
SAL-RX -50-SUP	1.0 X 1.0 X 1.80	55	50.0
SAL-RX -100- SUP	1.0 X 1.0 X 1.80	55	100.0
SAL-RX -10- ENT	1.0 X 1.0 X 1.80	55	10.0
SAL-RX -25- ENT	1.0 X 1.0 X 1.80	55	25.0
SAL-RX -50- ENT	1.0 X 1.0 X 1.80	55	50.0
SAL-RX -100- ENT	1.0 X 1.0 X 1.80	55	100.0

* Specific to keep the treated water in fire tanks.

Note: above or underground installation

Optional:

- Fire tanks / reuse water storage tank for above or underground installation.
- Mobil photometer (chlorine, pH and alkalinity measurement).