

## SECONDARY TREATMENT WITH MEMBRANE BIOLOGICAL-REACTORS (MBR) WITH NITROGEN ELIMINATION BY BIOLOGICAL WAY (OPTIONAL) (NITRIFICATION – DENITRIFICATION)

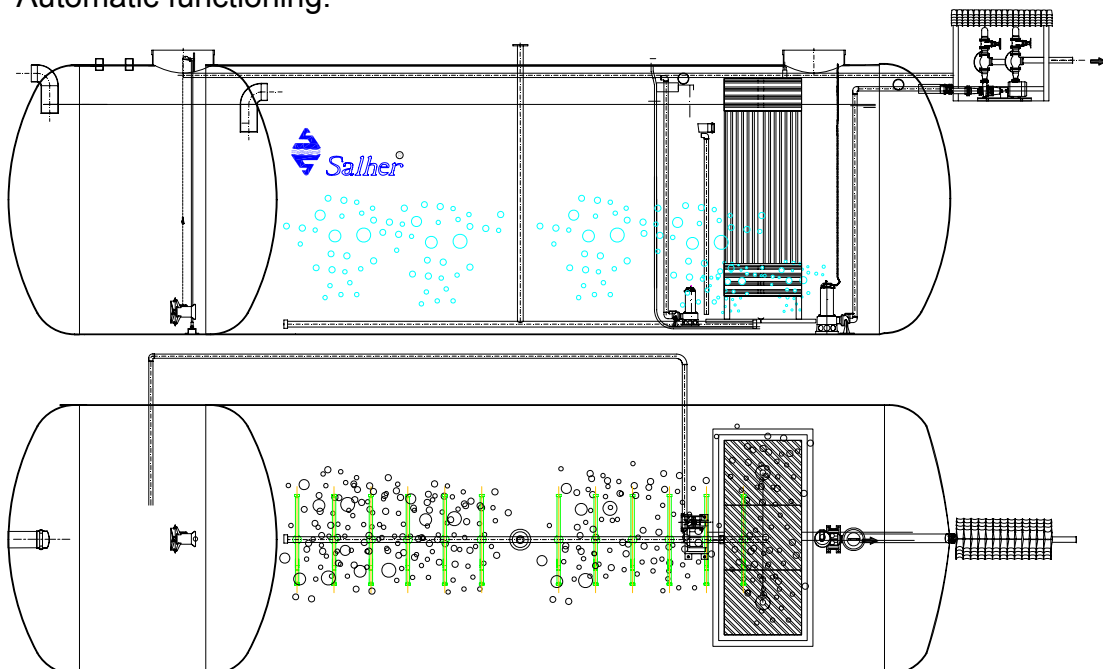
REF: CHC – OXI – MBR

### Function:

- Organic matter elimination ( $DBO_5 \leq 5$  mg/l).
- Particle in suspension elimination ( $MES \leq 5$  mg/l).
- Ammonium elimination ( $NH_4^+ \leq 5$  mg/l).
- Equipment capable of reuse purifies residual water, according to the norms in force.

### Characteristics:

- Biological reactor made in FGRP (Fiber Glass Reinforced Polyester) with with orthophthalic resin provided with an anoxic and/or aerobic chamber.
- Activated sludge system with submerge membrane.
- Equipment capable of reuse, according to the RD 1620/2007 norm, with bacteria and virus retention.
- Effluent high quality thanks to an effective solids/liquids separation.
- PRODUCTIVITY:  $DBO_5$ : 99%;  $DQO$ : 95%;  $N-NH_4^+$  : 82%;  $SST$ : 99%;  $FAECAL$   $MATTER$ : 99.9%
- Ultrafiltration and Microfiltration technology, with flat membrane and hollow fibre.
- Efficient membrane cleaning system.
- Automatic functioning.



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