



# Reverse Osmosis

## Process description

The R.O. unit performs a water treatment process removing contaminants from the water without the use of chemicals.

Water molecules are forced through a semi-permeable membrane by pressure.

The semi-permeable membrane has small pores blocking contaminants but allowing water molecules to flow through. The membrane removes up to 98% of total dissolved solids.

The contaminants are filtered out and flushed away, leaving clean water.

The R.O. unit is available in various sizes and with different capacity.



## Installation and maintenance

The reverse osmosis unit is constructed as a modular standard design. The unit is mounted on a frame, and is tested from the factory, which both make it very quick and safe to install.

Due to the modular design, the unit is easy to maintain. For the same reason upgrading and / or expansion of an existing unit is very easy as well.



## DATA

	350 lh	700lh	1000 lh	1280 lh
Rating, l/h .....	350	700	1000	1280
Free chlorine, mg/l.....	< 0.01	< 0.01	< 0.01	< 0.01
Supply pressure, bar .....	3-4	3-4	3-4	3-4
Water supply , m <sup>3</sup> /h.....	3.0	3.5	4.0	4.5
Water temperature, °C.....	10	10	10	10
TDS (salinity), mg/l.....	500	500	500	500
SiO <sub>2</sub> , max., mg/l.....	25	25	25	25
Hardness, °dH.....	20	20	20	20

*Data for each individual plant is calculated in collaboration with the chemical supplier.*



## HIGHLIGHTS

- Rinse water preparation
- Ion exchanging system
- Regenerates when exhausted
- Mounted on a frame
- Easy to maintain
- Easy to upgrade and / or expand

