



RO 2700

Reverse Osmosis Plants

Applications

- Autoclaves
- Car washing
- Evaporators
- District heating
- Foodstuff and beverage
- Nursery gardens
- Boiler water and steam production
- Chemical industry
- Coolant
- Laboratories
- Humidification
- Process water
- Printing shops





HOH's reverse osmosis plant is built on a stainless steel frame as a complete unit.

- Easy to place where space is limited
- Fully-assembled panel with built-in PLC
- Simple electric installation and plumbing

Function

Reverse osmosis is a membrane separation process which, by means of a high water pressure, is capable of separating (retaining) the dissolved salts (ions) present in the raw water and let the pure water molecules pass through the membrane.

In reality it is the water molecules which are removed from the dissolved salts and not, as you know from ion exchange, the ions that are removed from the water.

The dissolved salts are removed almost 100 % and the membrane pores are so small that even micro organisms such as bacteria and pyrogenes cannot penetrate.

The pure water (permeate) is collected in the reservoir and from here pumped to point of use. The "filthy" water (concentrate) is led to drain.

PLC-control with LCD-operator panel as standard. Userfriendly operator panel with LCD for reading of conductivity and other operating parameters. PLC-control gives access to a number of options like e.g. hook-up to BUS-systems, re-programming of the PLC-control for client specific operating conditions etc.

Options

- Online-access to the BUS-system
- Hook-up to GSM-modem
- Monitoring of membranes
- Antiscalant
- CIP

Technical data	RO-2710	RO-2720	RO-2730	RO-2740	RO-2750	RO-2760	RO-2780
Capacity, m ³ /h* (± 15 %)	6	8	10	12	14	16	20
Recovery, max., %*	80	80	80	80	80	80	80
Salt reduction approx., %*	> 98	> 98	> 98	> 98	> 98	> 98	> 98
Water quality approx., µS/	< 20	< 20	< 20	< 20	< 20	< 20	<20
Electricity connection, V/Hz	3 x 400/50	3 x 400/50	3 x 400/50	3 x 400/50	3 x 400/50	3 x 400/50	3 x 400/50
Installed capacity, kW**	11	11	11	15	15	15	15
Inlet, DN "	50	50	50	50	50	50	50
Drain, DN "	50	50	50	50	50	50	50
Outlet, DN "	50	50	50	50	50	50	50
Measures, L x W x H, mm	1015 x 3800	1015 x 3800	1015 x 3800	1015 x 3800	1015 x 4800	1015 x 3800	1015 x 4800 x
Max. water temperature, °C	25	25	25	25	25	25	25
Inlet pressure, min./max., bar	3/7	3/7	3/7	3/7	3/7	3/7	3/7

* Dependent on water quality. The stated data are nominal and apply at a drinking water quality of max. 500 mg/l total salt content, 10° C and an inlet pressure of 3 bar.

** Without CIP-unit