

## Reverse Osmosis 2500 Series

The RO 2500 Series is built on a stainless frame as a complete unit.

- Easy to place where space is limited
- Simple electric installation and plumbing

### Applications

- Autoclaves
- Laboratories
- Printing shops
- Humidification
- Process Water



### 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.

### Technical Data

	RO-2510	RO-2520	RO-2530	RO-2540	RO-2550
Capacity, litres/hour*	2300	2700	3300	4000	5000
Recovery max., %	80	80	80	80	80
Salt reduction approx., %	> 98	> 98	> 98	> 98	> 98
Water quality approx., µS/cm	< 20	< 20	< 20	< 20	< 20
Power connection, V/Hz	3x400/50	3x400/50	3x400/50	3x400/50	3x400/50
Installed power, kW**	5.5	5.5	7.5	7.5	7.5
Inlet, Ø"	1½	1½	1½	1½	1½
Outlet, Ø"	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
Drain, Ø"	1	1	1	1	1
Inlet connection height (I), mm	785	785	785	785	785
Outlet connection height (II), mm	1510	1510	1510	1510	1510
Drain connection height (III), mm	1375	1375	1375	1375	1375
Max. water temperature, °C	25	25	25	25	25
Inlet pressure, min./max., bar	03-jul	03-jul	03-jul	03-jul	03-jul
Measures W x D x H, mm	1300 x 760 x 1630	1300 x 760 x 1630	1300 x 760 x 1630	1300 x 760 x 1630	1300 x 760 x 1630

\* At drinking water quality 10 °C, 3 bar, max. 500 mg/l total salt content