

SIRION™ Midi

Reverse Osmosis for Process Water

SIRION™ Midi reverse osmosis systems produce high purity water, removing up to 98% of dissolved inorganics and over 99% of large dissolved organics, colloids and particles.



Flow rates
from **90 to**
800 l/hr



FEATURES & BENEFITS

- Low energy membranes result in lower operating pressures; cost savings
- Optimised flow:size ratio; space saving and efficient
- 1µm pre-filtration included within the unit; membrane protection
- Programmable user interface; simple operation, monitoring and storage (14 days) of flow rate, conductivity and temperature values. (For PLC only).
- Modem & RS232 connections
- Dry run monitor; pump protection
- Treated water diverted at startup; ensures water quality
- Timed recirculation rinse; reduces membrane fouling



OPTIONS

- Output to PLC via analogue signal for conductivity monitoring



APPLICATIONS

- Boiler feed
- Industrial process water
- Cleaning and rinse waters
- Reuse / recycling
- Healthcare
- Pharmaceuticals
- Laboratory

HYDREX® CHEMICALS

Hydrex® 4000 water treatment chemicals from Veolia Water Technologies should be used for optimized plant operation.

RELATED SERVICES

Local after-sales service and support teams offer preventative and corrective maintenance programs to ensure the long-term, efficient operation of installed plant.





System Performance

Model		10-100 EP	10-200 EP	10-300 EP	10-500 EP	10-750 EP
Permeate*	l/hr	90-110	180-220	280-330	450-550	650-800
Feed*	l/hr	150	300	450	750	1000
Typical Salt Rejection	%	96-98	96-98	96-98	96-98	96-98
Pump Motor Size	kW	0.56	0.56	0.56	1.5	1.5

*Flow rates are dependent on feed water quality, those quoted are typical values based on water at 12°C, 1000 ppm TDS & SDI <3.

System Dimension

Model		10-100 EP	10-200 EP	10-300 EP	10-500 EP	10-750 EP
Height	mm	1010	1260	1260	1260	1260
Depth	mm	620	620	620	620	620
Width	mm	600	600	600	600	600
Weight	kg	59	61	68	73	95

Pipe Connections

Model	10-100 EP	10-200 EP	10-300 EP	10-500 EP	10-750 EP
Feed Water (push in)	12 mm	12 mm	12 mm	15 mm	15 mm
Permeate (push in)	12 mm	12 mm	12 mm	15 mm	15 mm
First Permeate (push in)	12 mm	12 mm	12 mm	15 mm	15 mm
Concentrate (push in)	12 mm				

Feed Water Supply Quality

Potable water free from organic contamination, chlorine and suspended matter. A softened water supply is normally required.

Supply Pressure	min. 2 bar	max. 6 bar
temperature	min. 2°C	max. 25°C

Electrical Supply

10-100EP to 10-300EP models 230V, 1ph, 50 Hz standard

10-500EP & 10-750EP models 400V, 3ph-N-PE, 50 Hz standard