

SIRION™ Maxi

Reverse Osmosis for Process Water

SIRION™ Maxi 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 450 to
5000 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

HYDREX® CHEMICALS

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



APPLICATIONS

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

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		14-500 EP	14-750 EP	14-1000 EP	14-1500 EP	14-2000 EP	14-2500 EP	14-3000 EP	14-4000 EP	14-5000 EP
Permeate*	l/hr	450-500	650-800	950-1100	1450-1600	1950-2100	2450-2600	2900-3100	3800-4000	4700-5000
Feed*	l/hr	700	1000	1400	2000	2700	3300	4000	5200	6250
Typical Salt Rejection	%	96-98	96-98	96-98	96-98	96-98	96-98	96-98	96-98	96-98
Pump Motor Size	kW	2.2	2.2	2.2	4.0	4.0	4.0	4.0	4.0	5.5

*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		14-500 EP	14-750 EP	14-1000 EP	14-1500 EP	14-2000 EP	14-2500 EP	14-3000 EP	14-4000 EP	14-5000 EP
Height	mm	1630	1630	1630	2358	2358	2358	2358	2950	2950
Depth	mm	1070	1070	1070	1070	1070	1145	1070	1200	1200
Width	mm	636	636	636	636	636	636	636	800	800
Weight	kg	200	220	240	290	330	370	410	300	325

Pipe Connections

Model	14-500 EP	14-750 EP	14-1000 EP	14-1500 EP	14-2000 EP	14-2500 EP	14-3000 EP	14-4000 EP	14-5000 EP
Feed	DN 20	DN 20	DN 20	DN 25	DN 25	DN 32	DN 32	DN 40	DN 40
Concentrate	DN 15	DN 15	DN 15	DN 15	DN 15	DN 25	DN 25	DN 25	DN 25
Permeate	DN 15	DN 15	DN 15	DN 25	DN 25	DN 25	DN 25	DN 32	DN 32
First Permeate	DN 15	DN 15	DN 15	DN 25	DN 25	DN 25	DN 25	DN 32	DN 32

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

All models 380/415V, 3 phase, 50 Hz standard