

PRO E SERIES

- Complete stainless steel frame and control panel
- Fully automatic operation
- Corrosion resistant, high-pressure tubing
- High quality, food grade-approved components
- Side and rear access for ease of maintenance
- Feed water pressure limiting valve and check valve
- Product water check valve
- Inlet solenoid valve
- Product, waste, and recycle flow meters
- Automatic membrane flush on startup and shutdown
- High rejection, low energy German-made membranes
- High capacity, poly spun 5 micron sediment pre-filter
- Corrosion resistant fibreglass membrane vessels
- Panel mounted flow control adjustment valves
- Low feed pressure protection
- Plumbing connection plate for easy installation
- Australian made by a family-owned business
- Supported by a team of engineers and service techs

Reverse osmosis membrane desalination systems

For low to medium salinity feed water applications
from 1,000 to 30,000 litres a day



The Rowater Pro E series of fully automatic, membrane desalination systems is ideal for commercial, industrial and rural applications where a constant and reliable supply of fresh, potable water with a low salt content is required.

Each system incorporates a two-stage purification process; mechanical filtration and reverse osmosis to achieve a rejection rate of up to 99% of total dissolved solids.

Rowater can customise a system design, according to the nature of the feed water and daily production rates, as well as meeting purity requirements and storage needs.

Consult your Rowater representative for more details.

Grundfos system pump features

- Built in variable speed drive (VFD)
- LCD screen with built-in PLC control system
- High efficiency motor with soft ramping start
- Assembled in Grundfos Australia head office in Regency Park, South Australia from Danish-manufactured components
- Inlet and system pressure displayed on LCD screen
- Live power consumption, operating hours and total power consumption stored and displayed on LCD screen
- Available in 304 stainless, 316 stainless and titanium for varying levels of corrosion resistance

Options

- Feed and delivery pumps
- Membrane cleaning system
- Anti-scalant dosing system
- Raw water and product water storage tanks
- UV sterilisation systems
- Remote monitoring systems
- Pre-filtration systems



Also available

PRO B SERIES



Reverse osmosis membrane desalination systems

Suitable for medium to high salinity feed water applications up to 50,000 litres a day.

AQUASTAR SERIES



Reverse osmosis membrane desalination systems

Suitable for high volume production from 50,000 to 2,000,000 litres a day and beyond.

Pro E series specifications

Nominal capacities

Output in litres	Per minute	Per hour	Per day
PRO E 5	3.5	210	5,000
PRO E 10	7	420	10,000
PRO E 15	10	625	15,000
PRO E 20	14	840	20,000
PRO E 25	17	1,040	25,000
PRO E 30	21	1,250	30,000

Salt rejection 99% nominal - recovery rate 50% to 80%. Nominal capacities are based on feed water temperature of 25°C and salinity of 1500ppm TDS. Actual output capacities are subject to change, according to variations in feed water characteristics.

Dimensions

Millimetres	Height	Depth	Width
PRO E 5	1,500	450	600
PRO E 10	1,500	450	600
PRO E 15	1,500	450	600
PRO E 20	1,500	550	600
PRO E 25	1,500	550	600
PRO E 30	1,500	550	600

Electrical requirements

Single phase	240V, 50Hz, 1.1 to 1.5kw
Three phase	415V, 50Hz, 1.1 to 4.0kw

Plumbing requirements

Maximum operating pressure	1400 to 2,000kPa
Inlet connection	25mm male BSP
Outlet connection	25mm male BSP
Waste connection	25mm male BSP

Specifications are subject to change without notice.

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