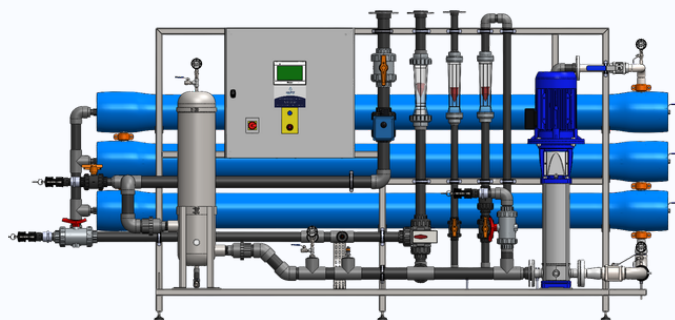


AWT MAXI

Reverse Osmosis (10-30m³/h)



The AWT MAXI Reverse Osmosis range provides high-quality purified water for high flow industrial applications.

Engineered around proven membrane technology, each system is configured to maximise water recovery, minimise operating costs and deliver reliable, long-term performance.

SYSTEM OVERVIEW AND BENEFITS

- Treated water production from 10–30 m³/h
- Suitable for mains water and borehole supplies
- Site-specific feed water analysis to determine optimum pre-treatment and treated water quality
- Typical treated water quality of 5–25 µS/cm, depending on feed water quality
- Designed for continuous industrial operation



Up to **98%** dissolved solids removal



10 - 30 m³/h capacity



Optimised water recovery



Skid-mounted design for quick installation



PLC touchscreen control with diagnostics



UK manufactured and **CE compliant**

REVERSE OSMOSIS MODELS

RO Model	MAXI 10	MAXI 12	MAXI 16	MAXI 20	MAXI 30
Treated Water (Permeate) Flowrate at 15°C (m ³ /h)	10	12.8	16.8	20	30
Feed Flow Rate (m ³ /h)	13.3	17.1	22.4	26.7	40
Normal Drain Flow Rate (m ³ /h)	3.3	4.3	5.6	6.7	10
Membrane Qty	7	9	12	15	21
HP Pump Rated Power (kW)	11	11	15	22	22
Inlet / Outlet / Drain (inch)	2½ / 2 / 1¼	2½ / 2 / 1¼	2½ / 2 / 1¼	3 / 2½ / 1½	4 / 3 / 2
Dimensions (WxDxH) (m)	4 x 1.1 x 1.8	4 x 1.1 x 1.8	4 x 1.1 x 1.8	4.3 x 1.5 x 2	4.3 x 1.6 x 2.1
Weight (Dry / Wet) (kg)	680 / 790	700 / 815	870 / 1,005	1370 / 1,500	1,900 / 2,170

KEY BENEFITS

- Advanced control options including fixed recovery or fixed flow operation
- Integrated anti-scalant dosing and dechlorination pre-treatment
- Optional automatic chemical make-up reduces manual handling
- Compact skid-mounted design for straightforward installation
- Integrated flow monitoring on permeate, concentrate and recycle streams
- Automatic permeate recycle control and membrane flushing
- Individual membrane vessel sampling points for simplified fault finding
- Integrated Clean-in-Place (CIP) capability.
- Full-colour touchscreen HMI with PLC control and alarm diagnostics
- Integrated control of pumps and associated pre/post-treatment equipment
- Premium high-rejection, low-pressure RO membranes
- Standard wet testing carried out prior to delivery
- Designed and manufactured in the UK to CE standards

TECHNICAL SPECIFICATION

RO Model	COMPACT MAXI Range
Water Recovery Rate	Min 75%
Treated Water Quality	< 30 µS/cm
Membrane Size	8040 (8")
Feed Water Pressure Fluctuation	± 0.5 bar
Permeate Back Pressure (max)	0.3 bar
Feed Water Temperature (min/max)	3 / 25°C
Ambient Temperature (min/max)	3 / 40°C
Pipe Connection	PVC-U PN16 Flange

**Note: Actual production rate will decrease as feed water temperature drops. Verify that the system can achieve your required flow rate at the lowest expected feed water temperature; otherwise, the RO system may be undersized.*