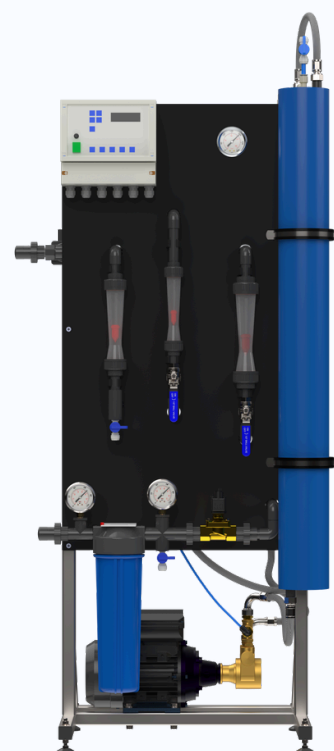


AWT SUPERMINI

Reverse Osmosis (300 - 500l/h)

The compact AWT SUPERMINI Reverse Osmosis range provides an economical solution for producing high-quality treated water at lower flow rates.

Designed with simplicity and value in mind, the SUPERMINI offers straightforward RO treatment for applications where a compact, cost-effective system is required.



KEY BENEFITS



Up to **98%** dissolved solids removal



300 - 500 l/h capacity



Optimised water recovery



Skid-mounted design for quick installation



PCB controller with LCD display



UK manufactured and **CE compliant**

RO MODELS

RO Model	SUPERMINI 300	SUPERMINI 500
Treated Water (Permeate) Flowrate at 15°C (l/h)	300	500
Feed Flow Rate (l/h)	400	667
Normal Drain Flow Rate (l/h)	100	167
Commissioning Drain Max Flow Rate (l/h)	300	500
Membrane Qty	1	2
Weight (Dry / Wet) (kg)	40/45	50/58

**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.*

REVERSE OSMOSIS TREATMENT

- Treated water production from 0.3 m³/h to 0.5m³/h
- Suitable for treatment of mains water and borehole supply
- 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 intermittent operation to support commercial applications
- Feedwater temperature directly impacts RO permeate flow

KEY BENEFITS

- Compact skid-mounted design for straightforward installation
- Flow indication on permeate, concentrate and recycle streams
- Automatic permeate recycle control and membrane flushing
- Individual membrane vessel sampling points for simplified fault finding
- 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

SPECIFICATION		VALUE
 OPERATING CONDITIONS	Water Recovery Rate	Minimum 75%
	Treated Water Quality	< 30 µS/cm
	Membrane Size	4040 (4")
	Feed Water Pressure (min/max)	2 / 5 bar
	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
 CONNECTIONS	Pipe Connection	PVC-U Female Socket Solvent Weld
	Inlet / Outlet / Drain (inch)	½ / ½ / ½
 ELECTRICAL & PHYSICAL	Electrical Voltage	240V AC Single Phase
	HP Pump Rated Power	0.55 kW
	Electrical Protection	IP55
	Dimensions (WxDxH)	0.65m x 0.45m x 1.65m