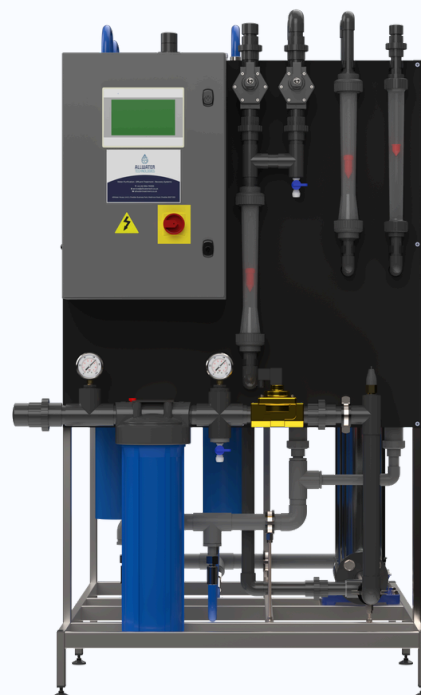


AWT MINI

Reverse Osmosis (0.6 - 1.8m³/h)

The compact AWT MINI Reverse Osmosis range is designed with advanced features as standard in a compact skid for plug and play installation.

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



KEY BENEFITS



Up to **98%**
dissolved solids
removal



0.6 - 1.8 m³/h
capacity



Optimised
water recovery



Skid-mounted
design for quick
installation



Touchscreen HMI
and PLC control



UK manufactured
and CE compliant

RO MODELS

RO Model	MINI 600	MINI 900	MINI 1200	MINI 1500	MINI 1800
Treated Water (Permeate) Flowrate at 15°C (l/h)	600	900	1,200	1,500	1,800
Feed Flow Rate (l/h)	800	1,200	1,600	2,000	2,400
Normal Drain Flow Rate (l/h)	200	300	400	500	600
Commissioning Drain Max Flow Rate (l/h)	600	900	1,200	1,500	1,800
Membrane Qty	2	3	4	5	6
Weight (Dry / Wet) (kg)	105 / 115	117 / 128	129 / 141	141 / 155	152 / 167

**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 0.6 m³/h to 1.8m³/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 continuous operation to support industrial applications
- Typical RO systems require feed, pretreatment, RO, storage, and distribution pump

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
- 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

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 / 6 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 /CIP Connection Size (inch)	¾ / ¾ / ½ / ½
 ELECTRICAL & PHYSICAL	Electrical Voltage	400V AC Three Phase N + E
	Control Panel Isolator Current Rating	40A
	HP Pump Rated Power	1.5 KW
	Electrical Protection	IP65
	Dimensions (WxDxH)	0.9m x 0.93m x 1.7m