



Aqua Mobile brings highly effective water treatment services to you – wherever and whenever you require them. Our 'on-the-move' world-class technology and solutions mean that whether you need water treatment in an emergency, or to meet its long-term requirements, you can count on Aqua Mobile to be there.

## Reverse Osmosis Unit

**UNIT TYPE:** Containerised & Mobile Reverse Osmosis  
**CAPACITY:** 280m<sup>3</sup>/hr

**THE UNIT INCLUDES:**  
**Instrumentation** pH probes  
 Pressure transmitters  
 Chlorine cell  
 Conductivity meters  
 Flow meters (Magflow)  
 Pressure gauges  
 Temperature transmitters  
 Level floats

**Valves** Actuated valves  
 Actuated control valves  
 Chemical valves  
 Manual isolation valves  
 Non-return valves  
 Pressure relief valves

**Pumps** High pressure pumps  
 Dosing pumps

**Tanks** Chemical dosing tanks

**Vessels** Cartridge filters  
 Pressure vessels (FRP)

All piping in SS316L with a pressure rating of Schedule 10.

### PERFORMANCE

FLOWRATES *	[m <sup>3</sup> /day]	FEED WATER QUALITY	
Raw water supply	6250	TDS	up to 4000
Permeate product	5000	Min feed pressure	400 kPa
Brine delivery	1250		
OPERATING PARAMETERS			
Max RO pressure	1800 kPa		
Recovery	up to 80% *		
Temperature range	10 – 40		
pH range	4 – 10		

\* dependant upon feed composition

### SPECIFICATIONS

ELECTRICAL	DIMENSIONS & WEIGHT
380 V, 50 Hz, 3 phase 220 kW installed power	L12.22 m x W2.44 m x H2.70 m 9 tonne empty 11 tonne in operation
FEED WATER	PROCESS CONNECTIONS
2 – 6 bar inlet pressure required	DN200 flanged feed water DN150 flanged permeate and CIP waste DN100 flanged waste line DN20 flexible hose connection

