

SERVICE:

UF / BWRO

World leading water treatment technology bringing water to water stressed environments. Water is our world.

UF / BWRO potable water treatment

Ultrafiltration (UF) is a low pressure, high recovery filtration system providing bacterial protection without hazardous chemical aids. Using wholly inert materials it is now globally accepted as the premier technology in the production of potable and wholesome water.

Brackish Water Reverse Osmosis (BWRO) is an ionic rejection membrane process reducing salts providing potable, wholesome drinking water.

Feed water

Borehole, well or surface brackish water	
Feed water maximum temp	30°C
Turbidity	30NTU
Conductivity max (TDS)	2000mg/l
pH	4 ~ 10

Treated water

Bacterial Rejection	99.9999%
Colon Bacillus Rejection	99.999%
Turbidity	<0.1NTU
Organics (as TOC)	<0.5
Colour	<1° Hazen
Taste	Non Detectable
Odour	Non Detectable
Conductivity (TDS)	<250mg/l

Photo right
Composite UF BWRO
Containerised System with
Deionising capability



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Flexibility

Flexibility is the KEYWORD. A single 40 ft container is capable of producing 1,000 m3/d of potable water. These self contained modular units can be grouped to supply any demand. Individual components can be segregated into unit containers and combined as illustrated for larger or bespoke duties.

Scope of supply

Item	PureH2OGWT	Client	Optional
1:00 Containerised UF /BWRO System	X		
1:01 Self Cleaning Filter			
1:02 Ultrafiltration Modules			
1:03 BWRO HP Pump			
1:04 BWRO System			
1:06 PLC Based Control System			
1:07 Lot Piping and Valves			
1:08 Lot Electrical System inc Lighting			
1:09 Clean In Place System			
1:10 Commissioning			
1:11 Training			
2:00 Level Site		X	
3:00 Electrical Power		X	
4:00 Drainage		X	
5:00 Security		X	
6:00 Cut in place systems			X
7:00 Balloon tanks			X
8:00 Generator			X

Photo bottom left
Balloon tank

Photo bottom right
Generator

Weights

Transit	1820kgs
Operational	2840kgs

Electrical Requirements

Voltage	380v 3ph 50Hz
Power	30kW

Applications

Rural Communities | Construction Camps | Disaster Relief | Pilot Studies | Commercial | Industrial | Pharmaceutical | Microelectronics

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