

SERVICE:

Ultrafiltration

# World leading water treatment technology bringing water to water stressed environments.

## Water is our world.

### Ultrafiltration (UF)

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.

Key feature is an extremely thin active membrane surface with pore size in the 0.01 ~ 0.05 micron range produced asymmetrically with a compatible supporting matrix resulting in a high strength composite structure.

#### Feed water

Borehole, well or surface brackish water  
 Feed water maximum temp 30°C  
 Turbidity 30NTU  
 pH 4 ~ 10

#### Treated water

Bacterial Rejection 99.9999%  
 Colon Bacillus Rejection 99.9999%  
 Turbidity <0.1NTU  
 Organics (as TOC) <0.5  
 Colour <1° Hazen  
 Taste Non Detectable  
 Odour Non Detectable

Photo bottom left:  
 1,000m3 Containerised  
 Ultrafiltration/day System

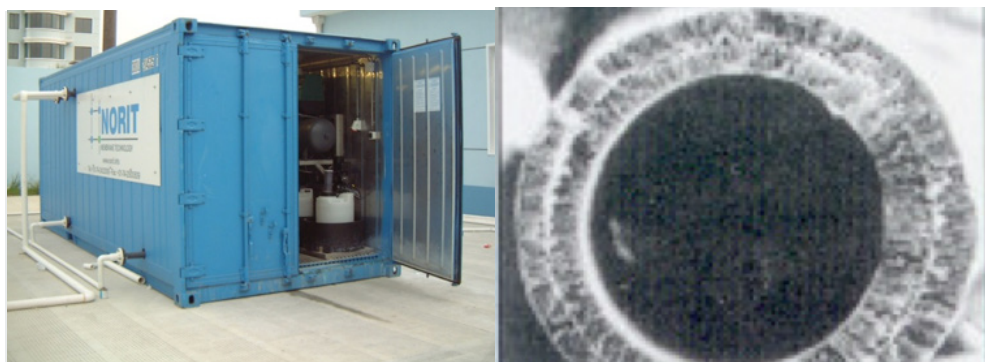


Photo bottom right:  
 Hollow fibre membrane showing  
 the substrate support (outer ring)  
 and the inner thin film membrane.

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# Scope of supply

Item	PureH2OGWT	Client	Optional
1:00 Containerised Ultrafiltration System	X		
1:01 Feed Pump			
1:02 Self Cleaning Filter			
1:03 Ultrafiltration Modules			
1:04 Lot Piping			
1:05 Lot Automatic Valves			
1:06 PLC Based Control System			
1:07 Lot Electrical System inc Lighting			
1:08 Clean In Place System			
1:09 Commissioning			
1:10 Training			
2:00 Level Site		X	
3:00 Electrical Power		X	
4:00 Drainage		X	
5:00 Security		X	
6:00 Ballon Type Treated Water Tank		X	Optional
7:00 Clean In Place System		X	Optional

## Weights

Transit 1120kgs  
Operational 2240kgs

## Electrical Requirements

Voltage 380v 3ph 50Hz  
Power 5kW

# Applications

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

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