

## Ultrafiltration

### DWC UF 500 Mobile

A solution for treating any sweet water for emergency and rural area usage using hollow fibre Ultra-Filtration Membrane

- Easy to Operate
- Small footprint (43cm x 61cm x 94cm)
- High mobility and light weight (20kg)
- High flow rate ( 0.5 m3/hr )
- No electricity required (hand pump)
- No chemicals required
- Remove: Bacteria, Suspended particulates, Colloidal, High molecular weight material

### Operating parameters

Inlet/Outlet Dimension : 1" NPT (female thread)  
 Flow Rate :  $\pm 0.5$  m3/hr (City Water)\*  
 Housing Dimension : 6" width x 24" length  
 Recovery : 100% ( Dead End Filtration )  
 Product Turbidity : < 0.1 NTU \*  
 Fibre Size : 2.0mm OD  
 Operating Temperature : < 50°C  
 Fibre Material : Hydrophilic PAN  
 Operating Pressure : < 2.0 Bar  
 Configuration : Capillary Type ( Out-to-In )  
 pH range (operating) : 3 – 9  
 Surface Area : 50 ft2

### Contact

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CLEAN WATER: A Singapore Red Cross Society worker demonstrating the use of a locally designed hand-powered water-purification system to be sent to Myanmar.