



LEADERSHIP IN EFFLUENT TREATMENT

BioChem Water Pty Limited

Mem-Bio System 50

(Containerized Membrane Bioreactor)

System Includes :

- Compartmentized Bioreactor (mild steel, epoxy coated)
- 5 x U860 Membrane Cartridges
- Feed and Backflush Pumps
- Circulation Pump
- 2 x Guard Filters
- Control Valves, Flow Meter and Pressure Gauge
- Aeration Diffusers and Blower
- PVC Piping, Hoses and Quick Couplings
- Electrical Control Panel with PLC
- Optional
 - Equalisation Tank
 - Additional U860 membrane
 - UV Unit
 - Nano Filtration Unit

Membrane Cartridge Specifications :

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| Design | Bioreactor with Ultrafiltration Membrane |
| Capacity (Grey Water) | < 0m ³ /day |
| Operating Temperature | 10°C – 45°C |
| Membrane TMP | < 5 psi (Backflush < 14 psi) |
| Feed Water | COD 5,000 mg/l (max) TSS 1,000 mg/l (max) |
| Product Water | COD > 90% Reduction Turbidity < 1.0 NTU |
| Power Requirement | 415V / 50Hz; 3 Phase |
| Dimensions (L x W x H) (meters) | 6 x 2.4 x 2.4 |
| Shipping Weight | ~ 4,500 kg |



Contact us to find out more about our customised water treatment solutions