

# Micro Media Bio Reactor System

## U740 Hollow Fibre UF Membrane



Illustration system is with RO (optional)

### System includes:

- Micro-media in tank and Ultra-Filtration membrane cartridges
- 1x Feed / suction pump
- Aeration diffusers and blower
- 1x Set of manifolds
- 1x Pressure or suction gauge
- 1x Rotameter
- Stainless or epoxy coated steel frame
- PVC piping, hoses and quick couplings

Optional Supply: Air compressor, RO membranes, and/or product tank

### Specification\*

Configuration	Micro-media with Ultra-Filtration membranes (PAN / PVDF)
Filtration (Out-to-In)	Cross-flow
Capacity	10 ~ 50 m <sup>3</sup> /day
Re-generation	Air pulse / purge
Recovery	> 95%
Operating temperature	< 50°C
Maximum pressure	< 3 bar
Flow rate per cartridge	0.3 - 0.8 m <sup>3</sup> /hr
Feed water	COD < 5,000 mg/L TSS < 1,000 mg/L
Product water	COD up to 90% COD reduction Turbidity < 1 NTU
Electrical power	400V / 50 Hz / 60 Hz; Three phase

\*Subject to feed water condition

### Dimension (meter), dry weight (kg)

MMBR-10	1.2 (L) x 1.2 (W) x 2.4 (H), 800 kg
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