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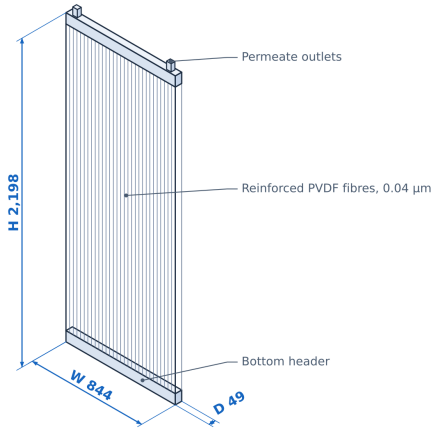
Surge TW-MBR-40

Submerged hollow fibre MBR module · Datasheet

Submerged hollow fibre MBR module. Theway builds it to the published dimensions and connections of the equipment named under "Theway equivalent of", so it fits the installed system with no change to the tank, frame or piping. Main figures: membrane area 40.9 m² (440 ft²); dimensions 2,198 × 844 × 49 mm; fibre reinforced PVDF, 0.04 µm, outside-in.



3D render



Dimensions in mm. Drawing not to scale.

Module

Type	Submerged hollow fibre, outside-in
Membrane area	40.9 m² (440 ft²)
Dimensions (H × W × D)	2,198 × 844 × 49 mm
Open fibre length	1,940 mm
Fibre	Reinforced PVDF, OD 2.0 mm, ID 0.9 mm
Nominal pore size	0.04 µm
Headers and potting	ABS headers, epoxy potting
Fits	16M and 48M cassettes

Operating limits *

Transmembrane pressure	−55 to +55 kPa (wastewater, MBR)
Operating pH	5.0 to 9.5
Cleaning pH	2.0 to 10.5
Maximum temperature	40 °C, operating and cleaning
Chlorine in cleaning	Maximum 1,000 ppm
Filtration cycle	7 to 12 min, relaxation 45 to 120 s, backwash 30 to 60 s
Air scouring	0.3 to 0.5 m³/h per m²

* Limits of the equipment this product is built to fit. A project design may set more conservative values.

Theway equivalent of

Veolia ZeeWeed 500D module, 440 ft² (40.9 m²)	2,198 × 844 × 49 mm; 16M and 48M cassettes

Brand and model names belong to their owners and are used only to identify the equipment this product is built to fit. Theway Membranes is not connected with those owners. Check dimensions, connections and operating conditions against the installed equipment before replacing it.

Operating guidelines

- Screen the feed ahead of the membrane tank as for the original installation; hair and fibres shorten membrane life.
- Run air scouring whenever the membranes filter. Stop filtration if the air supply fails.
- Keep transmembrane pressure within the stated limit. A rising TMP calls for cleaning, not for more suction.
- Clean in place with sodium hypochlorite (organic) and citric or oxalic acid (inorganic), within the stated pH, temperature and chlorine limits.
- Keep modules wet once wetted, unless the sheet says they are supplied and stored dry.

General notes

- Before the first order, one installed module is checked against this sheet: header fixing, nozzle or spigot, and edge profile.
- Supplied wet in preservative, crated; store above 5 °C and out of direct sun.
- Theway standard limited warranty applies within the stated limits. Operation outside them voids the warranty.

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