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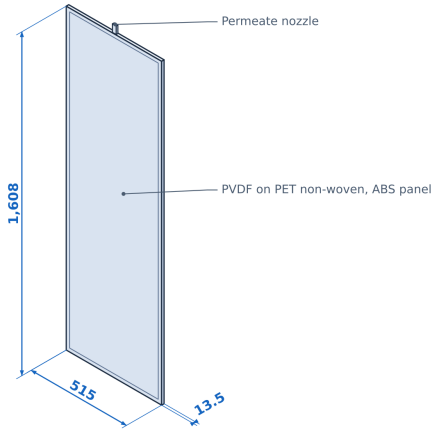
TW-1.4-FS

Flat-sheet MBR element, 1.4 m² · Datasheet

Flat-sheet MBR element, 1.4 m². 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 1.4 m²; dimensions 515 × 1,608 × 13.5 mm; membrane PVDF, 0.08 µm.



3D render



Dimensions in mm. Drawing not to scale.

Element

Type	Submerged flat sheet, outside-in
Membrane	PVDF on PET non-woven, 0.08 µm
Support panel	ABS
Membrane area	1.4 m²
Dimensions (W × L × T)	515 × 1,608 × 13.5 mm
Permeate nozzle	1, top
Gasket	EPDM

Operating limits *

Operating temperature	5 to 40 °C
Operating pH	5 to 10 (outside cleaning)
MLSS	Not higher than 18,000 mg/L
Transmembrane pressure	Not higher than 20 kPa
Cleaning, organic	Sodium hypochlorite
Cleaning, inorganic	Oxalic or citric acid

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

TMR140 modules the element fits

Module	Elements	m²	W mm	L mm	H mm
TMR140-050S	50	70	810	950	2,100
TMR140-100S	100	140	810	1,620	2,100
TMR140-200W	200	280	840	3,260	2,100
TMR140-200D	200	280	810	1,620	4,160
TMR140-400DW	400	560	840	3,260	4,160

Theway equivalent of

Toray Membray TSP-50150	TMR140 modules

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.

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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 clean and dry.

• Theway standard limited warranty applies within the stated limits. Operation outside them voids the warranty.

Legal notice

Guidance only. Values are typical and indicative, given in good faith under the stated reference conditions. They are not guaranteed values and not a warranty of performance; actual performance depends on feed water, pretreatment, design, operation and maintenance.

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