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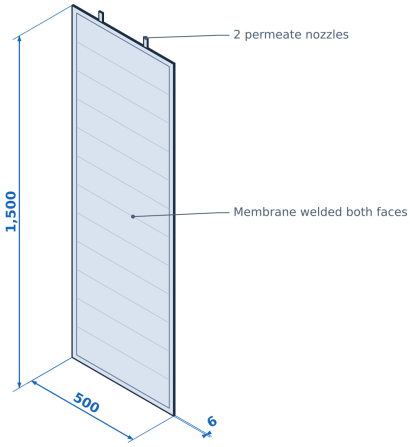
TW-1.5-FS

Flat-sheet MBR cartridge, 1.45 m² · Datasheet

Flat-sheet MBR cartridge, 1.45 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 1.45 m²; dimensions 1,500 × 500 × 6 mm; membrane PVDF on ABS, 0.2 µm.



3D render



Dimensions in mm. Drawing not to scale.

Cartridge

Type	Submerged flat sheet, outside-in
Membrane	PVDF, 0.2 µm average
Support plate	ABS
Membrane area	1.45 m² (both faces)
Dimensions (H × W × T)	1,500 × 500 × 6 mm (about 1,560 mm with nozzles)
Permeate nozzles	2, top
Gasket	Nitrile

Operating limits *

Operating temperature	5 to 40 °C
Operating pH	5 to 10
MLSS	Up to 18,000 mg/L
Transmembrane pressure	Up to 20 kPa (200 mbar)
Operating mode	Suction or gravity
Cleaning, organic	Sodium hypochlorite
Cleaning, inorganic	Oxalic acid

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

Units the cartridge fits (unit number = cartridges)

Unit	m²	Cartridges	H mm	W mm	L mm
RM100	145	100	2,490	575	1,465
RM200	290	200	2,490	575	2,925
RW300	435	300	4,290	575	2,251
RW400	580	400	4,290	575	2,925

Theway equivalent of

Kubota Type 515 cartridge	RM and RW units

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, packed flat.

• 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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Your responsibility. The user must confirm that the product is suitable and safe for the intended use, including chemical compatibility, potable-water or food-contact requirements and local regulations, and must have it installed and operated by competent persons.

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