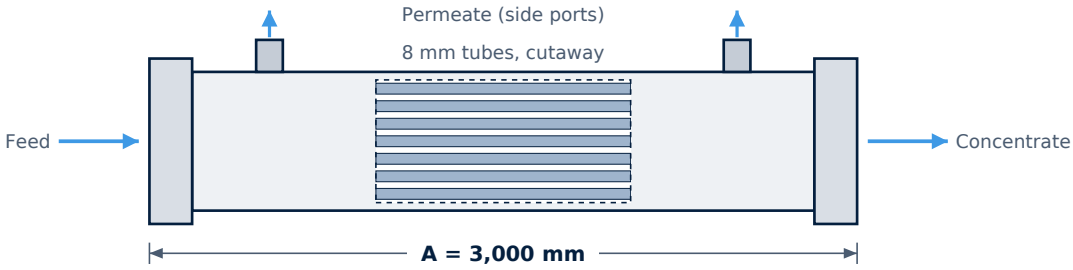
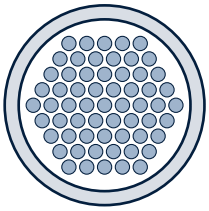
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Tubeflux T8-830

Tubular UF module, 8 mm · Datasheet

Tubular ultrafiltration module, Tubeflux series. 8-inch FRP housing, 3,000 mm long, holding 8 mm PVDF tubes with 27.2 m² of membrane area. Feed flows inside the tubes in cross-flow, so the module accepts high suspended solids, oil and biomass that would block hollow fibre. For external MBR, landfill leachate, chemical precipitation and oily wastewater.





End view: 8-inch housing

Module

Configuration	Tubular, inside-out cross-flow
Tube inside diameter	8 mm
Membrane	PVDF, 30 nm nominal pore size (100 kDa option)
Membrane area	27.2 m²
Housing	FRP, 8-inch
Module length (A)	3,000 mm

Operating limits *

Operating pressure	−0.2 to 8 bar
Maximum temperature	60 °C
Maximum cleaning temperature	40 °C
pH range	2 to 12
Chlorine for cleaning	Up to 500 ppm; 200 ppm typical
Chlorine exposure, cumulative	250,000 ppm·h
Design flux, typical	70 to 120 L/m²·h

Performance

Clean water flow at 1 bar, 25 °C	21.16 m³/h
Permeate at 70 to 120 L/m²·h	1.9 to 3.3 m³/h
Typical plant size per module train	150 to 300 m³/day

* General-use limits. A project design may set more conservative values for the best performance and the longest service life.

Tubeflux 8 mm range

Model	Housing	Length	Area	Clean water flow at 1 bar
T8-410	4 in	1,000 mm	2.1 m²	1.68 m³/h
T8-430	4 in	3,000 mm	6.4 m²	5.12 m³/h
T8-630	6 in	3,000 mm	15.2 m²	12.16 m³/h
T8-830	**8 in**	**3,000 mm**	**27.2 m²**	**21.16 m³/h**
T8-1040	10 in	4,000 mm	53.4 m²	42.72 m³/h

Operating guidelines

- Start up gradually: raise feed pressure and cross-flow over 30 to 60 seconds, and avoid pressure shocks during start-up, shutdown and cleaning.
- Never let permeate pressure exceed feed pressure. Avoid static back-pressure on the permeate side.
- Clean when permeate flow falls by 10 to 15 % or pressure drop rises by 15 %, using cleaners compatible with the stated pH and temperature limits.
- Complete pretreatment, piping flush and instrument checks before the first start-up.

General notes

- Example: a Tubeflux T8-830 run at 70 L/m²·h gives about 1.9 m³/h of permeate with about 0.8 bar pressure drop along the module.
- Modules are supplied wet or dry as agreed, end-capped and crated. Store above 5 °C and out of direct sun.
- Theway standard limited warranty applies. Operation outside the stated limits voids the warranty; the user is responsible for the effects of incompatible chemicals.

Theway Membranes believes the information here to be accurate and offers it in good faith. Conditions of use are outside our control, and the user is responsible for checking that the product suits the application. This datasheet is not a contract specification; the order acknowledgement and drawings issued with it govern.

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Important information

Tubeflux T8-830 tubular module datasheet. Read with every page of this document.

DOCUMENT	VERSION	RELEASED	PAGES	ISSUED BY
TWM-DS-TUBEFLUX-T8-830	**1.1**	**November 2026**	**2**	**Theway Membranes**

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