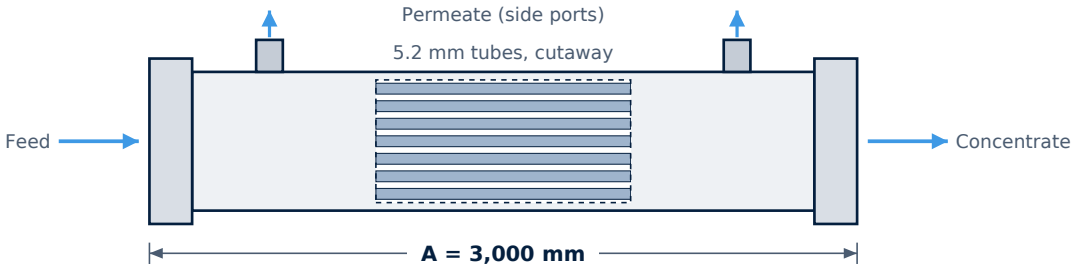
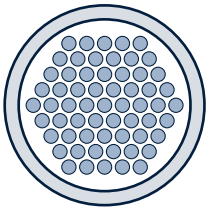
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Tubeflux T5-830 AL

Tubular UF module for airlift MBR · Datasheet

Tubular ultrafiltration module, Tubeflux series, for side-stream airlift membrane bioreactors. 8-inch module (219.1 mm OD), 3,000 mm long, with 5.2 mm PVDF tubes mounted vertically; air introduced at the base lifts the mixed liquor through the tubes and keeps the membrane surface clean at low energy. Also made 4,000 mm long (Tubeflux T5-840).





End view: 219.1 mm OD

Module

Configuration	Tubular, inside-out, vertical airlift or cross-flow
Tube inside diameter	5.2 mm
Membrane	PVDF, 30 nm nominal pore size
Module outside diameter	219.1 mm (8-inch)
Module length (A)	3,000 mm

Operating limits *

Typical operating pressure	2.0 to 5.0 bar
Maximum operating pressure	8.0 bar
Minimum outlet pressure	0.7 bar
Maximum temperature	60 °C
Maximum cleaning temperature	40 °C
pH, continuous	2 to 11
pH, cleaning at 40 °C	2 to 12
Chlorine for cleaning	Up to 500 ppm; 200 ppm typical
Chlorine exposure, cumulative	250,000 ppm·h

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

Comparable to

Pentair X-Flow	Compact 33V (5.2 mm, 8-inch, 3 m)

Brand and model names belong to their owners and are used only to identify comparable equipment. Check dimensions, connections and operating conditions against the installed equipment before replacing it.

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

• Supplied end-capped and crated. Keep the membrane wet once it has been wetted.

• 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 T5-830-AL tubular module datasheet. Read with every page of this document.

DOCUMENT	VERSION	RELEASED	PAGES	ISSUED BY
TWM-DS-TUBEFLUX-T5-830-AL	**1.1**	**November 2026**	**2**	**Theway Membranes**

Legal notice

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