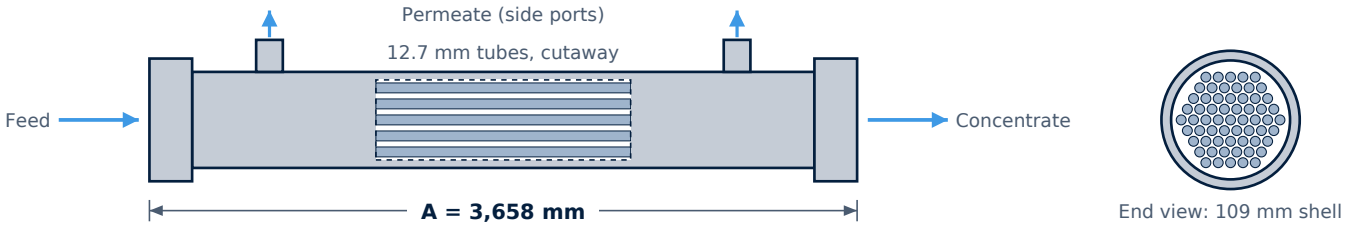
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Tubeflux T12-4336 SS

Sanitary tubular UF module, 12.7 mm · Datasheet

Sanitary tubular ultrafiltration module, Tubeflux series. 4.3-inch (109 mm) SS316L shell, 3,658 mm long, holding 12.7 mm PVDF tubes potted at both ends. Wide channels and a cleanable stainless steel shell make it the module of choice for juice clarification and other food, beverage and dairy streams.



Module

Configuration	Multi-tubular, inside-out cross-flow
Tube inside diameter	12.7 mm
Membrane	PVDF, 100 kDa
Shell	SS316L, 109 mm (4.3-inch) outside diameter
Module length (A)	3,658 mm

Operating limits *

Typical operating pressure	4.0 to 5.0 bar
Maximum operating pressure	6.0 bar
Minimum outlet pressure	0.7 bar
Maximum permeate pressure	0.2 bar
Pressure drop per module	0.27 to 0.40 bar
Maximum temperature	60 °C
Maximum cleaning temperature	40 °C
pH, continuous at 25 °C	2 to 10
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

Koch	SUPER-COR 4312 (12.7 mm tubes, 4.3-inch, 12 ft)

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 T12-4336-SS tubular module datasheet. Read with every page of this document.

DOCUMENT	VERSION	RELEASED	PAGES	ISSUED BY
TWM-DS-TUBEFLUX-T12-4336-SS	**1.1**	**November 2026**	**2**	**Theway Membranes**

Legal notice

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