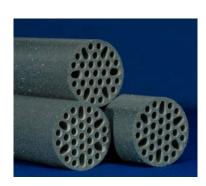
Crystar FT250 25-31-3

Crystar® Filtration Technology

Technical Datasheet



Crystar® FT are highly permeable and pure silicon carbide crossflow membranes for liquid filtration. They are certified for food contact according to the European regulation 1935-2004 and deemed acceptable for food and beverage contact by the FDA. Crystar® FT membranes are characterized by high chemical and thermal stabilities, superior thermomechanical and abrasion resistances and an excellent trade-off between retention efficiency and permeate flux.

Crystar® FT250 25-31-3 offers fine and consistent retention thanks to a 250 nm membrane and a carrier geometry which fits most applications. The 3 mm channels are well adapted to moderately loaded liquids.

Examples of application:

- Food and beverage processing
- Oil removal from produced water or oily wastewater
- Bacteria and particulate removal from industrial wastewater
- Chemical/solvent recovery

Technical Data		25-31-3 FT250	
External diameter	mm	25.4	
Standard length ¹	mm	1020 and 1178	
Channel hydraulic diameter	mm	3.0	
Filtration area	m² - ft²	0.30 - 3.23 0.35 - 3.77	Length 1020 mm Length 1178 mm
Open frontal area ²	%	51	
Cross-flow velocity recommended	m/s - ft/s	1 to 4 - 3 to 13	
Longitudinal pressure drop at 2 m/s	bar - psi	0.5 – 7.0	
Transmembrane pressure recommended	bar - psi	up to 2 - 29	
Weight	kg - lbs	0.53 - 1.20 0.63 - 1.40	Length 1020 mm Length 1178 mm
Chemical composition	-	SiC >99%	
Membrane pore size ³	μm	0.25	
Flux with clean water, 20°C / 68°F, 1 bar	LMH - GFD	6000 - 3530	
pH range	рН	0 – 14	
Temperature range	°C - °F	up to 300 - 842	

- 1. Other lengths possible upon request and up to the limit of 1200 mm.
- 2. Feed flow rate of 0.9 $\,\mathrm{m}^3/\mathrm{h}$ for inlet cross-flow velocity of 1 $\,\mathrm{m/s}.$
- 3. Average pore size as measured by mercury intrusion.

Saint-Gobain IndustrieKeramik Rödental GmbH

Oeslauer Straße 35, 96472 Rodental • Germany P: +49 (0) 9563 724 0 • Fax: +49 (0) 9563 724 356 • crystarft@saint-gobain.com

www.crystarfiltration.saint-gobain.com

