

Crystar FT250 25-61-2

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 25-61-2 offers fine and consistent retention thanks to a 250 nm membrane and high filtration area. The 2 mm channels are well adapted to lightly loaded liquids.

Examples of application:

- Low viscosity beverage processing
- Bacteria and particulate removal from industrial wastewater
- Chemical/solvent recovery

Technical Data		25-61-2.0 FT250	
External diameter	mm	25.4	
Standard length ¹	mm	1020 and 1178	
Channel hydraulic diameter	mm	2.0	
Filtration area	m ² - ft ²	0.43 – 4.60 0.49 – 5.28	Length 1020 mm Length 1178 mm
Open frontal area ²	%	44	
Cross-flow velocity recommended	m/s - ft/s	1 to 4 - 3 to 13	
Longitudinal pressure drop at 2 m/s	bar - psi	0.6 - 8.7	
Transmembrane pressure recommended	bar - psi	up to 2 - 29	
Weight	kg - lbs	0.59 - 1.31 0.70 - 1.55	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	5000 - 2940	
pH range	pH	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 0.8 m³/h for inlet cross-flow velocity of 1 m/s.
3. Average pore size as measured by mercury intrusion.

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