



Crystar® FT dead-end technology are highly permeable silicon carbide membranes for liquid filtration. They are certified for swimming pool and drinking water according to standards NSF61/50. Silicon carbide is characterized by high chemical stability and abrasion resistance, as well as an excellent trade-off between retention efficiency and permeate flux.

Crystar® FT HiPur A+ offers a highly compact membrane configuration and can achieve excellent permeate qualities thanks to its pore size of 250 nm with a tight and well controlled size distribution.

Examples of application:

- Microorganisms and turbidity removal for drinking water production
- Pretreatment for nanofiltration (NF) or reverse osmosis (RO) processes
- Swimming pools

Technical Data		Crystar HiPur A+
Cross section dimension	mm	149 x 149
Standard lengths ¹	mm	1000
Channel hydraulic diameter	mm	1.9
Filtration area	m ² - ft ²	16.0 – 172.4
Weight	kg - lbs	19 - 42 (without flange)
Chemical composition	-	SiC > 99%
Membrane pore size ²	µm	0.25
Flux with clean water, 20°C / 68°F at 1 bar / 14.5psi	LMH - GFD	4000 - 2352
Filtration capacity ³	m ³ /h GPM	7 – 14 31 – 62
Transmembrane pressure ⁴ (TMP)	bar - psi	up to 0.6 - 8.7 in vacuum mode up to 1.5 – 22 in pressure mode
Backwash pressure ⁴	bar - psi	up to 2.0 - 29.0
pH range	pH	0 - 14
Temperature range	°C - °F	Up to 65°C - 150°F with flange Up to 500°C – 930°F without flange

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1. Other lengths possible upon request up to the limit of 1000 mm.
2. Average pore size as measured by mercury intrusion.
3. Typical values, highly dependent on inlet water characteristics.
4. Recommended values. Operation at higher pressures possible, please consult us.

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