



The Clear Choice
Water Filtration Systems

www.aquafilter.com

TFCx-F

RO membranes

General Description:

AQUAFILTER TFCx-F Series Original **Aquafilter**[®] RO membranes. RO membranes consists of many thin layers of porous, semi-permeable film wound around a central core.

TFCx-F series membranes are compatible with most RO systems available on the market. Membranes are available in various capacities: 50GPD, 75GPD 100GPD & 125GPD to meet customers demands. They effectively remove 96%-99% of suspended particles, most bacteria and viruses, VOC's (not smaller than 0.0001 μm) and even ions.

All filtered impurities are flushed to drain. **TFCx-F** series membranes improve overall quality of water. Keep in mind that the performance of the RO membranes depends on water temperature and applied pressure.

Low temperature of influent water will affect (lower) membrane performance. Pressure has a similar effect. In such cases, booster pump **AFXPOMP** is required.



Features:

- Low costs
- Compatible with most RO systems available on the market
- Removes suspended particles, most bacteria and viruses, VOC's (not smaller than 0.0001 μm), ions
- Made in USA

Application:

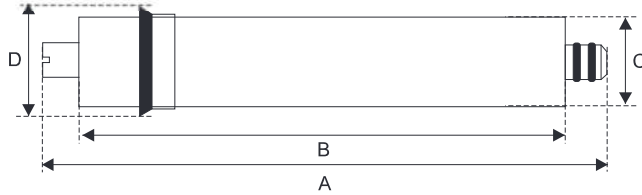
- RO systems
- water coolers





The Clear Choice
Water Filtration Systems

RO membranes



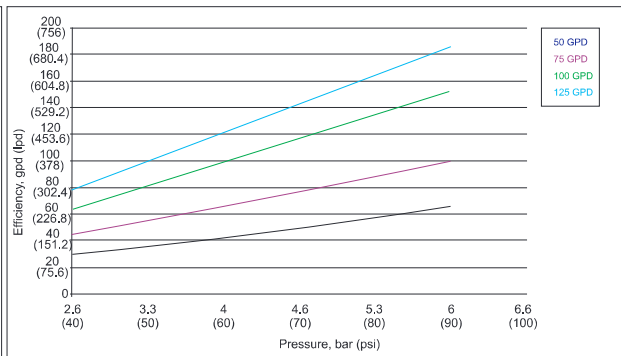
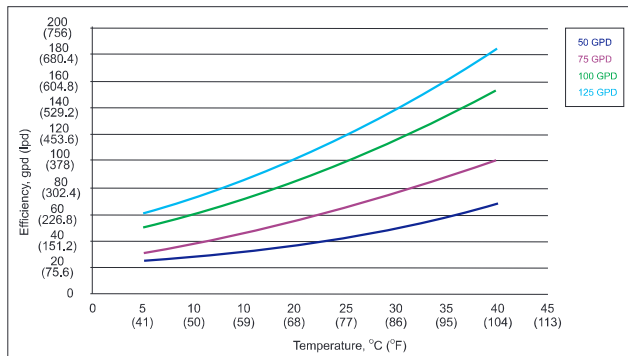
Recommended operation conditions:

- Maximum operation pressure:** 8.6 bar (125 psi)
- Maximum feed flow rate:** 7.5 lpm (2 gpm)
- Maximum operating temperature:** 45°C (113°F)
- Maximum feed water turbidity:** 1 NTU
- Maximum feed water SDI:** (15min) 5
- Chlorine tolerance:** 0.1 mg/l
- Feedwater pH range, Continuous Operation:** 2 - 11
- Feedwater pH range, Short-Term Cleaning (30min):** 1 - 12

CAT #	SIZE A	SIZE B	SIZE C	SIZE D
TFC-50F	11.75" (298 mm)	10" (254 mm)	1.75" (44 mm)	1.9 (48 mm)
TFC-75F	11.75" (298 mm)	10" (254 mm)	1.75" (44 mm)	1.9 (48 mm)
TFC-100F	11.75" (298 mm)	10" (254 mm)	1.75" (44 mm)	1.9 (48 mm)
TFC-125F	11.75" (298 mm)	10" (254 mm)	1.75" (44 mm)	1.9 (48 mm)

CAT #	Microns	Working Pressure	Working Temp.	Permeate Flow Rate (Gals/Day)	Permeate Flow Rate (Liters/Day)	Stabilized Salt Rejection (%)	Filter Life* months
TFC-50F	0.0001 µm	2,8 bar - 6 bar (42 psi - 90 psi)	2°C - 45°C (35°F - 113°F)	50	190	96 - 98	60
TFC-75F	0.0001 µm	2,8 bar - 6 bar (42 psi - 90 psi)	2°C - 45°C (35°F - 113°F)	75	284	96 - 98	60
TFC-100F	0.0001 µm	2,8 bar - 6 bar (42 psi - 90 psi)	2°C - 45°C (35°F - 113°F)	100	378	96 - 98	60
TFC-125F	0.0001 µm	2,8 bar - 6 bar (42 psi - 90 psi)	2°C - 45°C (35°F - 113°F)	125	472	96 - 98	60

* membrane longevity depends on feed water source, pretreatment, frequency of cleaning, system design, and operating conditions. In order to extend membrane life a pre treatment is required. Maximum chlorine concentration should not exceed 0.1 ppm for a maximum of 1000 hours.



IMPORTANT NOTICE: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. We recommend regularly scheduled maintenance and replacement of the filter cartridge in order for the product to perform properly. Improper installation and maintenance may result in property damage due to water leakage.

Limited Warranty: AQUAFILTER warrants that this product is free from defects in materials and workmanship. This limited warranty does not apply to failures that result from abuse, misuse, alteration or failure to properly comply with installation or cartridge change instructions.

All Aquafilter images, trademarks, logos, and other intellectual property are the sole and exclusive property of Aquafilter, Inc. and may not be used without our express written permission.

Aquafilter Manufacturing Facility


Aquafilter Inc.
Hunt Valley 21030, USA
us@aquafilter.com


Aquafilter Germany
15234 Frankfurt, Germany
de@aquafilter.com


Aquafilter Europe
91-222 Lodz, Poland
pl@aquafilter.com

