FILTRATION

POREX® TMF-B13/37 All PVDF Tubular Membrane Filter (TMF) Bundles

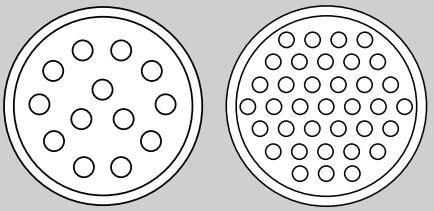
Optimal high solids separation at high flux rates

POREX TMF cross-flow tubular membrane bundles contain Porex's patented* structural membrane tubes. The superior strength of the membrane/substrate composite allows higher operating and backwash pressures for superior solids removal efficiency, higher flux and reduced system footprint. The structural composite membrane features PVDF membrane bonded to PVDF substrate.

** US 7,674,517*

TMF Series Features:

- Consistent, reliable solid/liquid separations and long service life
- Unique support with PVDF membrane offers high performance tubular membrane with superior operating characteristics
- Sintered PVDF substrate with PVDF membrane offers high temperature and improved chemical compatibility (pH range of 0–14)
- PVDF/PVDF composite option offers increased abrasion resistance and enhanced membrane durability
- Three distinct membrane pore sizes available
- Uniform, thermally-bonded omni-directional substrate pore structure provides an optimized support structure for tubular membranes and enhanced membrane durability
- Now available in multiple tube diameters for increased surface area and flux



Chemical Resistance:

POREX TMF modules are resistant to a broad spectrum of corrosive chemicals and reagents as well as pH ranges of 0 to 14. Typically, pilot feasibility tests are needed to determine the actual TMF module performance under real operating conditions.

For additional information on our TMF Tubular Membrane Filters call 866-515-7783 or visit our web site at www.porexfiltration.com.

Operating Specifications	
Pre-Use Wetting Agent	IPA
Shelf Life (Original Container)	36 months
Water Flux	>200 GFD (340 LMH)
Cross Flow Liquid Velocity	10 – 16 ft/sec (3.5 to 5.6 m/s)
pH Range	0 – 14
Max Backpulse Pressure	20 psi (138 kPa) at 25°C
Max Backpulse Cycles	75,000
Max Differential Pressure at 25°C (77°F)	1/2" = 120 psi (827 kPa) 1" = 60 psi (414 kPa)
Max Solids	18%
Min Solids	0.25%
Max Viscosity	50 cp
Min Viscosity	<1 cp

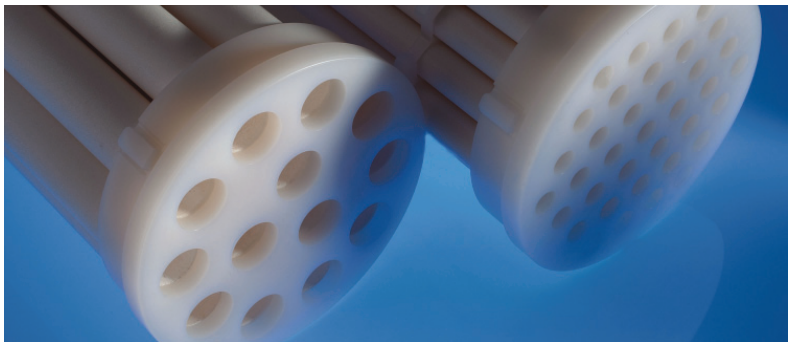
Physical Specifications	
Bundle	
Bundle Diameter Nominal	6" (call for details)
Filtrate Port (Qty 2)	None
Retentate Port	None
Mounting Required	TMF-H6
Bundle Length	70" (1778 mm)
Tubes 1/2"	
Number of Tubes	37
Nominal ID	0.5" (12.7 mm)
Nominal OD	0.79" (20 mm)
Total Active Surface Area	26.94 ft^2 (2.5 m^2)
Tubes 1"	
Number of Tubes	13
Nominal ID	1" (25.4 mm)
Nominal OD	1.34" (34 mm)
Total Active Surface Area	19.82 ft^2 (1.84 m^2)
Materials of Construction	
Potting	Solvent Cement
Internal Supports	PVDF
Gasket Materials	None
Preservative	Propylene Glycol
Membrane	PVDF

tel. 770.515.7700 US Toll Free. 866.515.7783 fax. 770.515.7799 info@porexfiltration.com www.porexfiltration.com

POREX

POREX® TMF-B13/37 All PVDF Tubular Membrane Filter (TMF) Bundles

Item Number	Description	Nominal Pore Size (µm)	Maximum Temperature*	Substrate Tube	Shipping Dimensions (inch) (mm)	Shipping Weight (lbs) (kg)
MBV2005637	37 Tube PVDF Bundle / PVDF 0.5" tube - 0.05µm	0.05µ	80˚C / 176˚F	PVDF	13 x 11 x 76 330 x 280 x 1931	46 21
MBV2S01637	37 Tube PVDF Bundle / PVDF 0.5" tube - 0.1µm	0.1µ	80˚C / 176˚F	PVDF	13 x 11 x 76 330 x 280 x 1931	46 21
MBV2S05637	37 Tube PVDF Bundle / PVDF 0.5" tube - 0.5µm	0.5µ	80˚C / 176˚F	PVDF	13 x 11 x 76 330 x 280 x 1931	46 21
MBV3005613	13 Tube PVDF Bundle / PVDF 1" tube - 0.05µm	0.05µ	80˚C / 176˚F	PVDF	13 x 11 x 76 330 x 280 x 1931	37 16.8
MBV3S01613	13 Tube PVDF Bundle / PVDF 1" tube - 0.1µm	0.1µ	80˚C / 176˚F	PVDF	13 x 11 x 76 330 x 280 x 1931	37 16.8
MBV3S05613	13 Tube PVDF Bundle / PVDF 1" tube - 0.5µm	0.5µ	80˚C / 176˚F	PVDF	13 x 11 x 76 330 x 280 x 1931	37 16.8



Maximum Cleaning	Solution Strength
Bleach (NaOCl)	< 17% to 100˚F (38˚C)
Caustic (NaOH)	< 15% to 104˚F (40˚C)
Acid (HCl)	< 15% to 140˚F (60˚C)
Peroxide (H2O2)	< 5% to 100˚F (38˚C)

** For operation at higher than listed temperatures, contact your Porex representative. Note: rapid temperature changes can damage the bundle.*

POREX

www.porexfiltration.com
info@porexfiltration.com

Porex Filtration

500 Bohannon Road
Fairburn, GA 30213 USA

T 770.515.7700
US Toll Free 866.515.7783

F 770.515.7799
E info@porexfiltration.com