

Housing Materials PVC, CPVC

Housing Connections (10x1 inch tube) Length - 72 in
Diameter - 6 in
End Connections - 6 in OD Victaulic groove
Permeate Ports - 3 in male socket (for tube connection)
Sample Port - 1/4 in NPT plug
Module Filtration Area - 15.2 ft²

Housing Connections (4x1 inch tube) Length - 72 in
Diameter - 4 in
End Connections - 4 in OD Victaulic groove
Permeate Ports - 1 1/2 in male socket (for tubing connections)
Sample Port - 1/4 in NPT plug
Module Filtration Area - 6.08 ft²

Housing Connections (1x1 inch tube) Length - 72 in
Diameter - 2.5 in
End connections - 1 in threaded
Permeate Ports - 1 in threaded
Sample Port - 1/4 in NPT plug
Module Filtration Area - 1.5 ft²

Product Ordering

| | | |
|---------------------|----------|---|
| Support Tube | PE PV | Polyethylene Polyvinylidene Flouride |
| Tube ID (inches) | B | 1.0" |
| Pore Size (microns) | S05 | 0.05 |
| | S1 | 0.1 |
| | S5 | 0.5 |
| Number of Tubes | 1 | 1 |
| | 4 | 4 |
| | 10 | 10 |
| Housing | P | PVC |
| | C | CPVC |

Tube Material - Inside Dimension - Pore Size - Number of Tubes - Housing Material
Example: PE - B - S1 - 10 - CPVC

PE - signifies the support tube is made of Polyethylene
B - signifies that the inside diameter of the support tube is 1.0"
S1 - signifies that the pore size is 0.1 microns
10 - is the number of support tubes
CPVC - indicates the housing is made of chlorinated polyvinyl chloride

Order Today 800.541.8610

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The information provided in this brochure contains merely general descriptions or characteristics of performance which in actual case of use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

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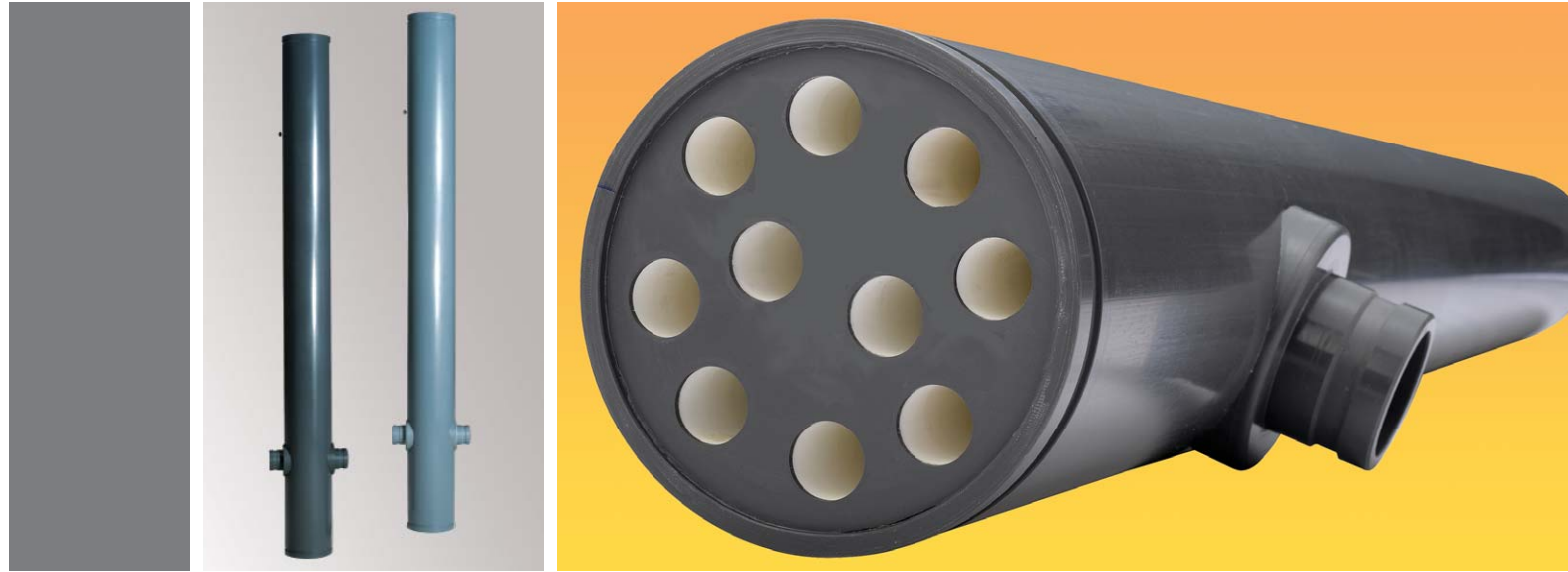
Memtek® Tubular Microfilters

Water Technologies

SIEMENS

Microfilters For Optimal Continuous High Solids Separation At High Flux Rates

Increase the filtering efficiency of your membrane system with Memtek® cross-flow tubular microfilter modules from Siemens Water Technologies. Memtek® microfilters are designed for cross-flow membrane systems or to retrofit existing Siemens or other brand tubular membrane systems in achieving optimum performance. Excellent solids removal, higher flux and reduced system footprint are possible thanks to the superior strength of the membrane/substrate composite, which withstands higher operating and backwash pressures.



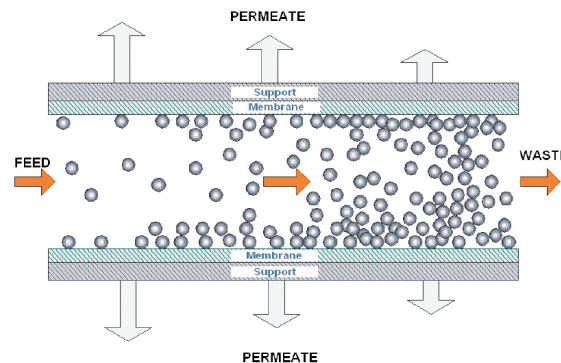
Why Choose Memtek® Tubular Microfilters?

- Memtek® modules provide 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 on two different substrate options
- Uniform, thermally-bonded omni-directional substrate pore structure provides an optimized support structure for tubular membranes and enhanced membrane durability

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Material Technology

Memtek® tubular microfilter modules contain multiple tubular membranes made from a HDPE or PVDF sintered porous substrate. An intricate network of open-celled, omni-directional pores are filled with membrane which gives these tubes a unique combination of filtering capability and structural strength.



How It Works

A fluid, such as chemically pretreated wastewater, flows through the tubular modules at high velocity, sufficient to maintain turbulent flow. At typical operating pressures of 20–80 psi, clean fluid is forced through the pores of the membrane, while suspended particulates remain in the feed stream. The turbulent flow of the retentate stream prevents the build-up of particles on the inner surface of the tube, providing high flux and prolonged filter life. This turbulent crossflow performance and large bore tubular design may eliminate the need for prefiltration and should routinely handle high solids levels up to 5% by weight.