



# POROSHIELD

## Multi-Layer Sintered Steel Filters

- SS316 or Titanium
- Absolute Rated
- Cleanable/Backwashable

SS316 or Titanium metal powder sintered to form a fixed and rigid pore structure. Made to withstand aggressive chemicals, high temperatures and pressures.



### SUITABLE USES



Air & Gas



Desalination



Coolant



Water



Electronics



Coatings



Oil & Gas



Chemical



Pulp & Paper



Power



Marine



Equipment

**ADDITIONAL** 100% SS316 or Titanium construction.

**FEATURES** Excellent corrosion resistance.

High temperature sintering results in no media migration.

Cleanable filters allows for reuse and can be an economical choice vs other filter element options.

Available in nominal micron ratings from 0.5 to 100.

*For more information, please contact  
info@fil-trek.com or visit Fil-Trek.com*

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### STANDARD SPECIFICATIONS

<b>MAXIMUM DIFFERENTIAL PRESSURE</b>	250 PSID (17.4 bar) <i>forward</i> 50 PSID (3.5 bar) <i>reverse</i>
<b>MAXIMUM OPERATING TEMPERATURE</b>	700°F (371°C)* <i>*For threaded connections only, otherwise temperature is dependant on o-ring/gasket material</i>
<b>DIMENSIONS</b>	
Outside Diameter	2.36" (6.0 cm)
Inside Diameter	2.16" (5.48 cm)
<b>AVAILABLE LENGTHS</b>	10", 20", 30", 40" (25.4 cm, 50.8 cm, 76.2cm, 101.6 cm)
<b>MEDIA, END CAPS, CORE</b>	SS316 Titanium
<b>GASKETS/O-RINGS</b>	Buna-N EPDM Silicone Viton Teflon encap. Viton (o-rings only) Teflon (gasket only)
<b>MICRON RATINGS</b>	0.5, 1, 5, 10, 15, 35, 50, 100

### AVAILABLE END CAP TREATMENTS

E2



E4



E6



E12



**E2** Double Open End w/ Gaskets

**E4** Single Open End w/ 222

**E6** Single Open End w/ 226

**E12** Single Open End w/ 1" MNPT

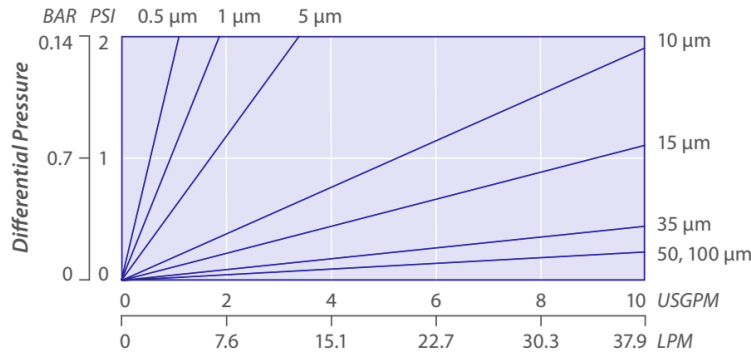
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## FLOW RATE



Based on clean water at ambient temperature, per 10' length

## BETA REMOVAL EFFICIENCY

BETA RATIO EFFICIENCY	BETA 200 99.5%	BETA 20 95%	BETA 10 90%
0.5 micron	0.5	0.3	0.1
1 micron	1.0	0.8	0.4
5 micron	5.0	3.0	1.0
10 micron	10.0	8.0	5.0
15 micron	15.0	12.0	10.0
35 micron	35.0	32.0	28.0

Additional sizes may be available, please contact Fil-Trek.

## PRODUCT NOMENCLATURE

PS	S6	15	40	E12	-
MODEL	MATERIAL	MICRON	LENGTH	END CONFIGURATION	O-RING/GASKET
PS - Poroshield Series	S6 - SS316 TI - Titanium	0.5    15 1        35 5        50 10      100	10 20 30 40	E2 - DOE w/ gaskets E4 - 222/SOE E6 - 226/SOE E12 - SOE/1" NPT	Blank - None BN - Buna-N EP - EPDM SI - Silicone VI - Viton TEV - Teflon encap Viton* T - Teflon** *O-rings only **Gasket only