



POROSHIELD

Multi-Layer Sintered Steel Filters

- SS316, Titanium or C-276
- Absolute Rated
- Cleanable/Backwashable

SS316, Titanium or C-276 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 FEATURES

100% SS316, C-276 or Titanium construction.

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

MAXIMUM DIFFERENTIAL PRESSURE

250 PSID (17.4 bar) *forward*
50 PSID (3.5 bar) *reverse*

MAXIMUM OPERATING TEMPERATURE

700°F (371°C)*
**For threaded connections only, otherwise temperature is dependant on o-ring/gasket material*

DIMENSIONS

Outside Diameter 2.36" (6.0 cm)

Inside Diameter 2.16" (5.48 cm)

AVAILABLE LENGTHS

10", 20", 30", 40"
(25.4 cm, 50.8 cm, 76.2cm, 101.6 cm)

MEDIA, END CAPS, CORE

SS316
Titanium
C-276

GASKETS/O-RINGS

Buna-N
EPDM
Silicone
Viton
Teflon encap. Viton (o-rings only)
Teflon (gasket only)

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

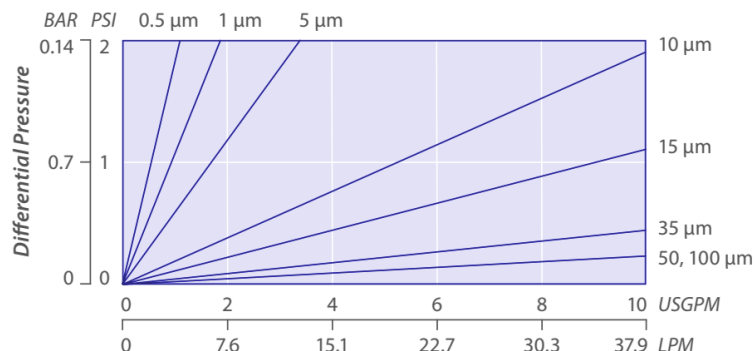
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FLOW RATE



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 C-276 - C-276	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