



700 SERIES

High Surface Area, High Retention Pleated Filter Cartridges

- 6.5" OD, 1.6" ID
- Vertical Pleat
- Outside to Inside Flow

Absolute rated 99.98%, ideal for low flow rates the 700 Series offers high dirt loading capacity and extends filter life and time between changeouts.



SUITABLE USES



Air & Gas



Desalination



Coolant



Water



Electronics



Coatings



Oil & Gas



Chemical



Pulp & Paper



Power



Marine



Equipment

COMPATIBLE HOUSINGS

Compatible with Fil-Trek's 700 Series Vertical (700V) and 700 Series Horizontal (700H) housings.

ADDITIONAL FEATURES

Absolute rated 99.98%

Ideal for low flow rates with high dirt loading capacity.

Double o-ring seal, reducing the risk of bypass.

Meltblown polypropylene media.

Absolute rated and available in microns ranging from 1 to 70.

All materials comply with FDA Title 21.

Comparable to the 3M 740 series filter.

For more information, e-mail:
info@fil-trek.com or visit Fil-Trek.com

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ELEMENT SPECIFICATIONS

REC. OPERATING PRESSURE	35 PSID (2.4 bar) @68°F (20°C)	
MAX. OPERATING PRESSURE	50 PSID (3.4 bar) @68°F (20°C)	
REC. FLOW RATE	40 GPM	
MAX. FLOW RATE	70 GPM	
DIMENSIONS		
Outside Diameter	6.5" (16.5 cm)	
Inside Diameter	1.6" (4 cm)	
Lengths	28.75 (73 cm) 34.375 (87.3 cm) 39" (100 cm)	
MAX. TEMPERATURE		
Polypropylene	180°F (82°C)	
Polyester	240°F (115.5°C)	
Microglass	300°F (149°C)	
Cellulose	300°F (149°C)	
Cotton	300°F (149°C)	
Nylon	340°F (171.1°C)	
Nomex	400°F (204.4°C)	
MEDIA SURFACE AREA	48ft² (14.6.3m²) for 40"	
MATERIALS AVAILABLE		
Media	Outer Support	Core
Polypropylene	Polypropylene	Polypropylene
Polyester	Polyester	Steel
Microglass	Nylon	
Cotton	Steel	
Cellulose		
Nylon		
Nomex		
End Caps	O-Rings	
Polypropylene	Buna-N	
Microglass	EPDM	
Nylon	Silicone	
Steel	Viton	

FLUID COMPATIBILITY

The below data is for reference only. Factors including length of exposure, concentration of fluid, temperature must also be considered. Please contact us to confirm process compatibility.

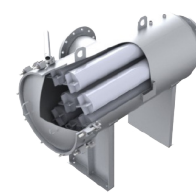
CHEMICAL	TEMPERATURE
ACETIC ACID 20%	160°F (71°C)
ALKANOLAMINES	140°F (60°C)
AMMONIUM HYDROXIDE 10%	160°F (71°C)
BLEACH 5.5%	120°F (49°C)
ETHYLENE GLYCOL	160°F (71°C)
HYDROGEN PEROXIDE	100°F (38°C)
METHYL ETHYL KETONE	70°F (21°C)
MINERAL OIL	70°F (21°C)
NITRIC ACID 20%	120°F (49°C)
POTASSIUM HYDROXIDE	140°F (60°C)
SODIUM CARBONATE	160°F (71°C)
SODIUM HYDROXIDE 70%	160°F (71°C)
SULFURIC ADIC 20%	160°F (71°C)
SULFURIC ACID 70%	160°F (71°C)
UREA	160°F (71°C)

*Based on polypropylene media w/ buna-n seals

COMPATIBLE HOUSINGS

700 VERTICAL AND HORIZONTAL HOUSINGS

Available in ASME code and non-code designs, highly customizable housing, vertical and horizontal orientation. Flow rates up to 8750 GPM. Available in a variety of materials, and headlift/closure options. Duplexing and skid systems available.



 [View 700V Details](#)

 [View 700H Details](#)

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HIGH FLOW PRESSURE DROP

MICRON	ELEMENT PRESSURE DROP (PSID/GPM)			
	20 GPM	40 GPM	60 GPM	80 GPM
1-2	0.50	1.00	1.30	1.80
5	0.20	0.50	0.60	0.80
10	0.10	0.40	0.50	0.70
15	0.10	0.20	0.40	0.50
25	0.10	0.20	0.40	0.50
40	0.10	0.19	0.30	0.40
70	0.07	0.16	0.24	0.32

Flow rates are based on 40' length and polypropylene media.

PRODUCT NOMENCLATURE

700	PO	1	40	PO	BN
MODEL	MEDIA	MICRON	LENGTH	CORE/CAPS	O-RING
700 – 700 Series	PO – Polypropylene PE – Polyester MG – Microglass CO – Cotton CE – Cellulose NY – Nylon NX – Nomex C – Custom	1 15 2 25 5 40 10 70	28 – 28.75 30 – 34.375 40 – 39	PO – Polypropylene (std) TN – Tinned Steel	BN – Buna-N (std) ED – EPDM SI – Silicone VI – Viton