FIL-TREK CORPORATION
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ULTRA FLOW

NSF 61 Cert. High Flow Pleated Filter Cartridges

- 6" OD, 2.75" ID
- Absolute Rated
- Inside to Outside Flow

NSF
Compliant with NSF/ANSI 61

Excellent dirt loading capacity extends life of cartridge and minimizes disposal and labor costs.

SUITABLE USES

Air & Gas | Desalination | Coolant | Water | Electronics | Coatings

Oil & Gas | Chemical | Pulp & Paper | Power | Marine | Equipment

ADDITIONAL FEATURES

Absolute rated, 6" diameter, pleated polypropylene cartridge filters.

NSF61 certified polypropylene.

Capable of high flow rates of up to 300 GPM per 60" element.

External netting adds additional support and built in handle makes filter change out fast, easy and safe.

Thermally bonded.

COMPATIBLE HOUSINGS

Fil-Trek UFV and UFH Series housings

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

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ELEMENT SPECIFICATIONS

MAX. OPERATING TEMPERATURE & PRESSURE	20 PSID (1.4 bar) @180°F (82°C) 30 PSID (2.1 bar) @160°F (71°C) 50 PSID (3.4 bar) @77°F (25°C)
REC. CHANGE OUT PRESSURE	35 PSID (2.4 bar)
DIMENSIONS	
Outside Diameter	6" (15.2 cm)
Inside Diameter	2.75" (6.9 cm)
Lengths	20", 40", 60" (50.8cm, 101.6 cm, 152.4 cm)
SURFACE AREA	20" length–24 ft2 (2.2 m2) 40" length–49 ft2 (4.6 m2) 60" length–73 ft2 (6.8 m2)
MAX. TEMPERATURE	176°F (80°C)
MATERIALS AVAILABLE	
Media/Support/Netting	Polypropylene
End Caps	Polypropylene
O-Rings	Buna-N, EPDM, Silicone, Viton
FDA LISTED MATERIALS	All materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5 and 177.1520 as applicable for food and beverage contact.
NSF 61	Certified to NSF/ANSI STD 61 for materials requirements only–component.

REMOVAL EFFICIENCY

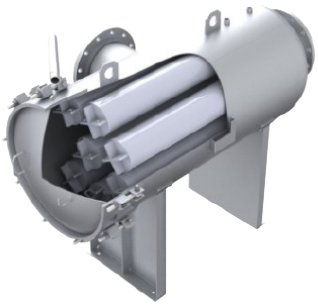
MICRON	99.9% Beta 1000	99% Beta 100	90% Beta 10
1	1	0.6	0.2
3	3	2	1.5
5	5	4	3
10	10	8.5	6.5
20	22	19	14
40	38	18	15
60	60	35	20
100	100	75	45

BETA RATIO = $\frac{\text{Upstream Particle Count}}{\text{Downstream Particle Count}}$

COMPATIBLE HOUSINGS

ULTRA FLOW 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 UFV Details | View HFH Details

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HIGH FLOW PRESSURE DROP

MICRON	ELEMENT PRESSURE DROP PSID/GPM			ELEMENT PRESSURE DROP Mbar/M3/HR		
	20"	40"	60"	20"	40"	60"
1	0.0200	0.0097	0.0065	6.0845	2.9395	1.9820
3	0.0167	0.0081	0.0054	5.0705	2.4495	1.6516
5	0.0076	0.0037	0.0025	2.3179	1.1198	0.7550
10	0.0046	0.0022	0.0015	1.3908	0.6719	0.4530
20	0.0021	0.0010	0.0007	0.06374	0.3079	0.2076
40	0.0017	0.0008	0.0006	0.5215	0.2520	0.1699
60	0.0015	0.0007	0.0005	0.4552	0.2199	0.1483
100	0.0010	0.0005	0.0003	0.3035	0.1466	0.0989

PRODUCT NOMENCLATURE

UF	PN	1	60	PO	VI
MODEL	**MEDIA**	**MICRON**	**LENGTH**	**CORE/CAPS**	**O-RING**
UF – Ultra Flow Series	**PN** - NSF 61Polypropylene	1 3 5 10 20 40 60 100	20 40 60	**PO** - Polypropylene (std)	**BN** – Buna-N (std) **ED** – EPDM **SI** – Silicone **VI** – Viton

Additional customization may be available, contact Fil-Trek for part number information