



PURIFIER 430

Pleated 4.25" OD Cartridge Filter

- Absolute rated at 99.98%
- 0.5 to 100 micron
- Pleated media construction

Purifier 430 filters offer reliable absolute rated filtration suitable for a wide variety of applications including high temperature filtration.



SUITABLE USES



Air & Gas



Desalination



Coolant



Water



Electronics



Coatings



Oil & Gas



Chemical



Pulp & Paper



Power



Marine



Equipment

MEDIA

Cellulose, polypropylene, micro-fiberglass, polyester and nylon

SIZING

Available in 40" lengths with a 4.25" OD

ADDITIONAL FEATURES

Designed to replace industry standard 4.25" OD elements
226 o-ring end configuration

Fixed pore media structure prevents particle unloading and is reliable in critical applications

COMMON APPLICATIONS

Water and wastewater, process fluids, acids, bases, amines, glycols, hydrocarbons, brines, organic solvents, fuels

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

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ELEMENT SPECIFICATIONS

RECOMMENDED CHANGE-OUT DP	35 PSID (2.4 Bar)
MAX. CHANGE-OUT DP	50 PSID (3.45 Bar)
RECOMMENDED FLOW RATE	25 GPM
MAX. OPERATING TEMP.	185°F (85°C)
SURFACE AREA	Up to 45 ft ²
MAX. DIRT LOADING	Up to 6.15 lbs
MICRON RATINGS	0.5, 2, 5, 10, 20, 40, 70, 100
DIMENSIONS	
Outside Diameter	4.25" (10.8 cm)
Inside Diameter	1.5" (3.81 cm)
Lengths	40" (101.6 cm)
MATERIAL OF CONSTRUCTION	
Media	Cellulose, polypropylene, micro-fiberglass, polyester or nylon
Center Core	Polypropylene, tinned steel or stainless steel
Netting	Polypropylene, nylon
End Caps	Polypropylene, tinned steel, stainless steel, acetal
Gaskets	Buna-N, EPDM or Viton
END CAP OPTIONS	SOE w/ 226 o-ring
FLOW DIRECTION	Outside to Inside

MICRON RATINGS AT EFFICIENCY

MICRON	0.5	2	5	10	20	40	70	100
99.00% (Beta 100)	0.3	1	2	5	10	25	40	70
99.98% (Beta 5000)	0.5	2	5	10	20	40	70	100

DIRT HOLDING CAPACITY (LBS)*

MICRON	0.5	2	5	10	20	40	70	100
LBS of Solids	4.15	4.92	5.27	5.27	5.45	5.53	5.80	6.15

*Per 40' filter

CLEAN PRESSURE DROP (PSID)*

MICRON	0.5	2	5	10	20	40	70	100
PSID @ 15 GPM	1.03	0.47	0.34	0.34	0.33	0.30	0.29	0.28
PSID @ 25 GPM	1.57	0.74	0.60	0.60	0.58	0.56	0.51	0.47
PSID @ 35 GPM	1.78	0.95	0.88	0.88	0.88	0.87	0.83	0.81
PSID @ 45 GPM	2.42	1.33	1.12	1.07	1.03	0.97	0.91	0.89

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PRODUCT NOMENCLATURE

PF43	PO	20	40	TS	E6	BN
MODEL	MEDIA	MICRON @ 99.98%	LENGTH	NON-MEDIA COMPONENTS	END CONFIG.	GASKET/ O-RING
PF43 - Purifier 430 Series	PO - Polypropylene* PE - Polyester MG - Glass NY - Nylon CE - Cellulose	0.5 - 0.5 Mic 2 - 2 Mic 5 - 5 Mic 10 - 10 Mic 20 - 20 Mic 40 - 40 Mic 70 - 70 Mic 100 - 100 Mic	40 - 40"	PO - Polypropylene TS - Tinned steel AC - Acetal	E6 - 226/O-ring	BN - Buna EP - EPDM VI - Viton

*The polypropylene media is FDA compliant according to CFR Title 21.