



PURIFIER SERIES

430 Series | 4.25" OD Cartridge Filter Elements

- Multi Cartridge Filter Housings
- ASME Sec. VIII, Div. 1 & Non-Code Designs Available
- Vertical and Horizontal Orientations

Purifier 430 filter vessels are considered the workhorse of solid particulate filtration in a broad range of applications and industries. Built standard and custom.



SUITABLE USES



Air & Gas



Chemical



Pulp & Paper



Power



Equipment



Glycols



Oil & Gas



Coolant



Water



Coatings



Amines



Solvents

MEDIA

Accepts **Purifier 430** elements, and other comparable 4.25" OD, 40" lg filter elements.

DESIGN PRESSURE

Standard design pressure up to 150 PSI @ 400°F (204° C)

Design pressures up to 1440 PSI available

AVAILABLE FINISHES

Vessels available in carbon steel, stainless steel 304 or 316. Also available in C276, AL6XN, 2205, 2507 & Monel 400.

ADDITIONAL FEATURES

Built to accommodate flow rates of up to 2,025 GPM.

Available in both vertical and horizontal orientation to better suit any specific design pre-requisites.

Custom sizes, configurations, materials of construction and other options may be available. Please contact Fil-Trek

For drawings, flow charts, custom applications and filter cartridge information please visit www.fil-trek.com.

PURIFIER SERIES

430 Series | 4.25" OD Elements

- Multi-Cartridge Filter Housings
- ASME Sec. VIII, Div. 1 & Non-Code Design
- Vertical and Horizontal Configurations



HOUSING OPTIONS

*Indicates standard configuration

Vent (1), Gauges (2)	1/2" NPT*
Dirty Drain (1)	1" NPT*
Certifications	ASME Section VIII, Div. 1 U, UM, CE, NB, CRN
Inlet/Outlet Sizes & Connection Type	See table above F - Flange*
Finish Options	(-) – Paint "National Blue" (std for CS) * (-) – Bead Blast (std for SS304/SS316) *

COMPATIBLE ELEMENTS

PURIFIER 430

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

MEDIA

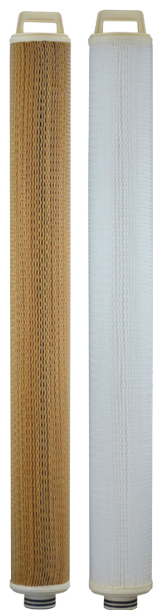
- Cellulose
- Polyester
- Polypropylene
- Nylon
- Micro-fiberglass

SIZING

Outside Diameter | 4.25"

Length | 40"

End Configuration | 226 o-ring



MODEL FLOW RATES

MODEL	# OF 4.25" OD FILTERS	FLOW RATE (GPM)*	INLET/OUTLET SIZE**
PF06	1	25-45	≤ 2"
PF10	2	50-90	≤ 3"
PF12	3	75-135	≤ 4"
PF14	4	100-180	≤ 4"
PF16	6	150-270	≤ 4"
PF18	8	200-360	≤ 6"
PF20	10	250-450	≤ 6"
PF22	12	300-540	≤ 6"
PF24	14	350-630	≤ 6"
PF26	17	425-765	≤ 8"
PF28	20	500-900	≤ 8"
PF30	23	575-1035	≤ 8"
PF32	27	675-1215	≤ 8"
PF34	30	750-1350	≤ 10"
PF36	36	900-1620	≤ 10"
PF38	39	975-1755	≤ 10"
PF40	45	1125-2025	≤ 10"

Details above are based on design pressures up to PT4, for higher pressure ratings, please contact factory. Flow rates are based on water at 25gpm/40". Actual Flow rate is dependent on fluid viscosity, cartridge micron rating, contaminant and type of media.

ELEMENT SUPPORT



Removable, Perforated Stainless Steel

Purifier 430 vessels use a removable perforated stainless steel tube that threads into a welded cup at the bottom of the housing.

SOUR SERVICE APPLICATIONS

Ideal for applications where H2S is present | Vessel modification includes the following:

Corrosion Allowance

1/8" for CS, incl. PWHT
1/16" for 304SS and 316SS

Post Weld Heat Treatment

Standard for CS
N/A for 304SS/316SS

Weld Standard

All seams butt welded
Welded legs

NDE/NDT

X-Ray (RT-4 standard)
Optional: LPI, UT, other



55 Stafford Court, Cambridge, ON N1T 1B3 P (519) 623-7448 F (519) 623-8807

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

PURIFIER SERIES

430 Series | 4.25" OD Elements

- Multi-Cartridge Filter Housings
- ASME Sec. VIII, Div. 1 & Non-Code Design
- Vertical and Horizontal Configurations



CONFIGURATION OPTIONS

*Indicates standard configuration

Vertical Orientation

(-) A – Side in/side out*

B – In-line

C – Side in/bottom out

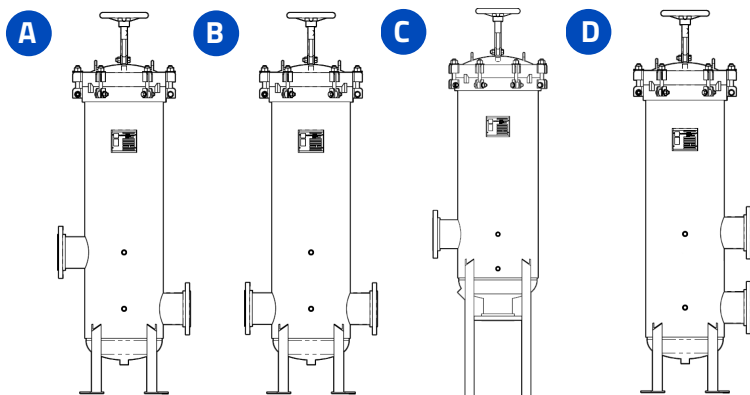
D – Side in/side out, same side

Horizontal Orientation

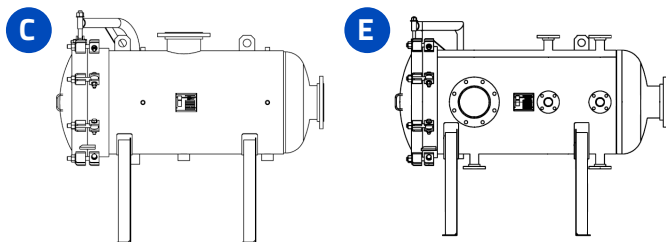
(-) E – Top in/end out*

C – Side in/End out

VERTICAL ORIENTATION



HORIZONTAL ORIENTATION



PRESSURE & TEMPERATURE OPTIONS*

ID	MOC	PSI	TEMP (°F)	ANSI RATING
PT1	CS	280	100	ANSI 150
	SS304/SS316	270		
PT2	CS	195	400	ANSI 150
	SS304/SS316	185		
PT3	CS	735	100	ANSI 300
	SS304/SS316	715		
PT4	CS	630	400	ANSI 300
	SS304/SS316	490		
PT5	CS	1475	100	ANSI 600
	SS304/SS316	1435		
PT6	CS	1260	400	ANSI 600
	SS304/SS316	990		
PT7	CS	2215	100	ANSI 900
	SS304/SS316	2155		
PT8	CS	1895	400	ANSI 900
	SS304/SS316	1485		
PT9	CS	3700	100	ANSI 1500
	SS304/SS316	3595		
PT10	CS	3165	400	ANSI 1500
	SS304/SS316	2480		
PT11	CS	6165	100	ANSI 2500
	SS304/SS316	5995		
PT12	CS	5275	400	ANSI 2500
	SS304/SS316	4130		

*Table above based on ANSI flange ratings. Fil-Trek will design based on application pressure and temperature requirements. **Max temperature may be limited to gasket material.

PRODUCT NOMENCLATURE

S6	PF	18	-	8	-	430	-	3F	-	PT2	-	
MATERIAL	MODEL	VESSEL DIAMETER		# OF FILTERS		FILTER SERIES		INLET/ OUTLET		DESIGN PRESS/TEMP		OTHER
(-) – Carbon Steel S4 – SS304 S6 – SS316	PF - Purifier Series PFH - Horiz. Purifier Series	See Table		See Table		430 - Purifier 430 4.25" OD elements		See Table		See Table		SR - Sour service

NOTE: The PF series is in an ASME code stamped housing. This vessel is also available in an industrial non-code design.