



F4F 030-040 Series Spin-On Filter Assemblies

Medium Pressure Hydraulic Filter Assemblies

Features

- 350 psi (24 bar) operating pressure
- Element collapse rating of 75 psid (5 bar)
- 525 psi (36 bar) static burst pressure
- 30 & 40 gpm (114 & 151 lpm) nominal flow rates
- Elements available with Glas-Tech® $\beta_{x(c)} \geq 1000$ media
- NPT or SAE straight thread ports
- Optional visual indicator
- Interchangeable with Pall 7400/9540 elements

Technical Data

Pressure & Temperature Rating

Operating Pressure:	350 psi (24 bar)
Burst Pressure:	525 psi (36 bar)
Operating Temperature:	-40°F to +250°F (-40°C to +121°C)

Materials of Construction

Head:	Aluminum
Spin-on Can:	Steel

Bypass Options

Bypass Valve Setting:	25 psid (1.7 bar) $\pm 10\%$ No bypass
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Differential Pressure Indicators

Visual Indicator :	18 psid (1.2 bar) $\pm 10\%$ activation
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Seal Material Options

Seal Materials:	Buna Viton® Neoprene
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Filter Assembly (Housing and Element) Weight

Size	030	040
Weight	1.75 lbs (0.80 kg)	1.95 lbs (0.88 kg)

*A more robust
and reliable
filter assembly*



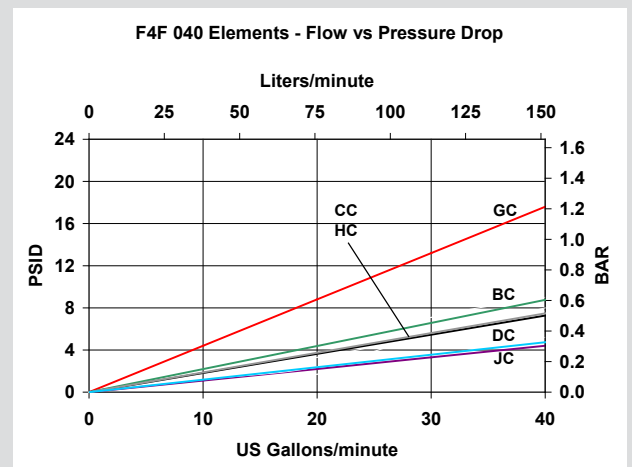
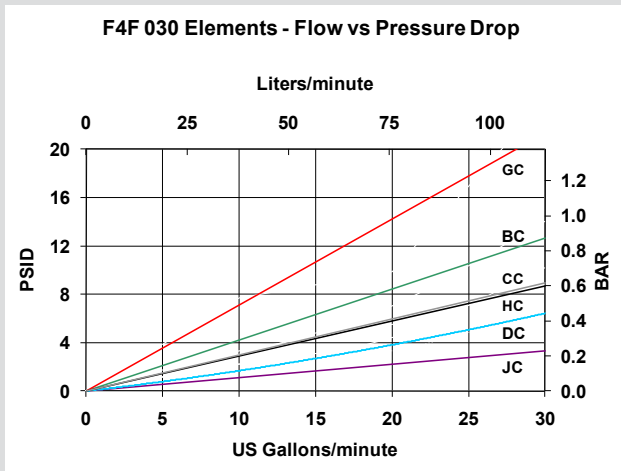
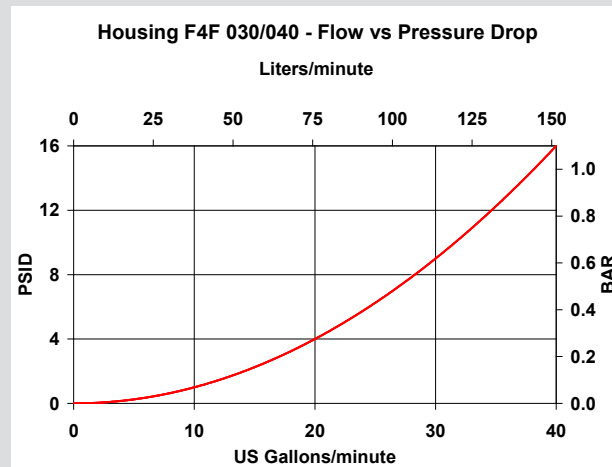
Elements

PTI filter elements are manufactured with the highest quality materials. PTI filter elements feature multi-layer construction for increased dirt-holding capacity and low pressure drop. PTI elements provide cost-effective contamination control for the most demanding applications. All elements are tested to the latest industry standards including ISO 16889 procedure for multipass efficiency testing.

Filtration Rating			
Multipass Test results per old ISO 4572 and new ISO 16889 test procedures			
Particle size (x) in microns at which the Beta Ratio (β) is greater than or equal to the indicated value (200 or 1000).			
	Per ISO 4572	Per ISO 16889	
Code	$\beta_x \geq 200$	$\beta_{x(c)} \geq 200$	$\beta_{x(c)} \geq 1000$
G	3	5	7
H	6	7	9
K	12	12	15
J	23	21	24

F4F filter elements are also available with 3 μ m, 10 μ m and 25 μ m nominal cellulose media. Please refer to ordering information on back page.

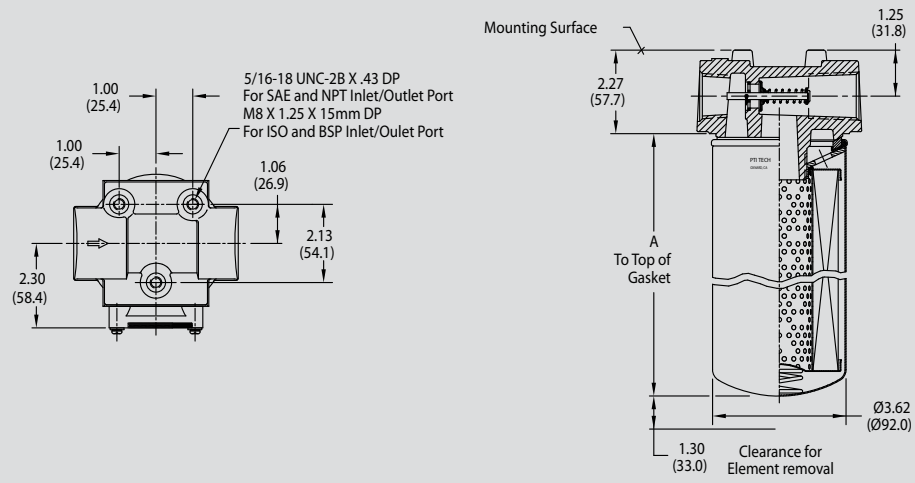
Flow Rate/Pressure Drop Curves



Pressure drop curves are based on 150 SUS (32 cSt) petroleum base hydraulic fluid of 0.9 S.G.
 Filter Assembly ΔP = Housing ΔP + Element ΔP

Assembly Dimensions*

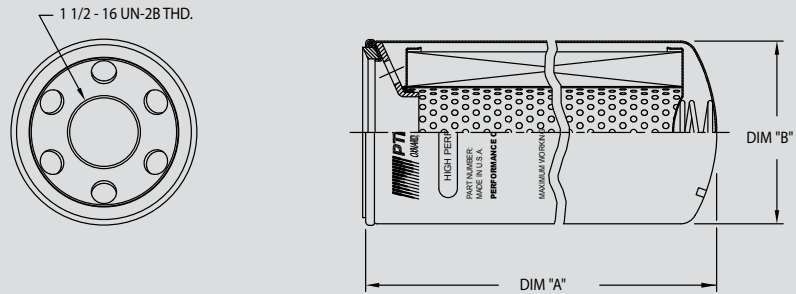
* Dimensions in inches (mm)



Nominal Flow	-030	-040
Dimension A	5.5 (140)	8.0 (204)

Element Dimensions*

* Dimensions in inches (mm)



Nominal Flow	-030	-040
Dimension A	5.5 (140)	8.0 (204)
Dimension B	3.7 (94)	3.7 (94)

Ordering Information

Assembly:

F4F	X	X	X	X	X	X	X	-	X	X	X	X	X
TBL 1	TBL 2	TBL 3	TBL 4	TBL 5	TBL 6	TBL 7	TBL 8	TBL 9					

Table 1 Size	
Code	Nominal Flow
030	30 gpm (114 lpm)
040	40 gpm (151 lpm)

Table 2 Filtration Rating		
Code	Micron Rating	Media
G	$\beta_{7(c)} \geq 1000$	Glas-Tech
H	$\beta_{9(c)} \geq 1000$	Glas-Tech
K	$\beta_{15(c)} \geq 1000$	Glas-Tech
J	$\beta_{24(c)} \geq 1000$	Glas-Tech
B	3 μm	Cellulose
C	10 μm	Cellulose
D	25 μm	Cellulose

Table 3 Collapse	
Code	Collapse Rating
C	75 psid (5 bar)
N	No Filter Element

Table 4 Seals	
Code	Material
B	Buna
V*	Viton®
N	Neoprene

Table 5 Port	
Code	Option
E	1" NPT
M	1" SAE (-16)

Table 6 Gauge Options	
Code	Option
O	None

* Glas-Tech elements only
 Viton® is a registered trademark of DuPont Performance Elastomers

Table 7 Indicator	
Code	Option
L	Visual 18 psid (1.2 bar) \pm 10%
N	No Indicator

Table 8 Valve Options	
Code	Option
N	Non-Bypass
F	25 psid (1.7 bar)

Table 9 Gauge Loc	
Code	Option
R **	Right Side
L **	Left Side
N	None

** when looking at inlet port

Element:

F4F-	X	X	X	-	X	X	-	X
TBL 1	TBL 2	TBL 3	TBL 4					

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