



F4F 030-040 Series Spin-On Filter Assemblies

For Hydraulic and Lube Oil Applications



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 III[®] Bx(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) ±10%
 - No bypass
- Differential Pressure Indicators
 - Visual Indicator: 18 psid (1.2 bar) ±10% activation
- Seal Material Options
 - Seal Material: Buna
Viton®
Neoprene

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.

Filtration Rating

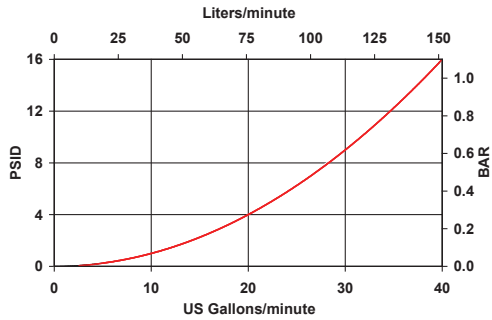
Multipass test results per old ISO 4572 and new ISO 16889 test procedures.
Particle size (x) in microns at which the Beta Ratio (β) is greater than or equal to the indicated value (200 or 1000).

Code	Per ISO 4572	Per ISO 16889	
	$\beta_x \geq 200$	$\beta_{x(c)} \geq 200$	$\beta_{x(c)} \geq 1000$
G	3	5	7
H	6	7	9
K	12	12	15
J	23	21	24

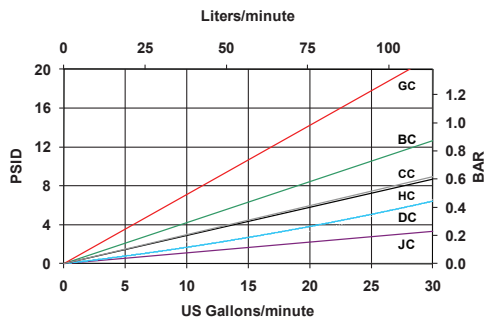
F4F filter elements are also available with 3 μ m, 10 μ m and 25 μ m nominal cellulose media.
Please refer to ordering information on back page.

Flow Rate/Pressure Drop Curves

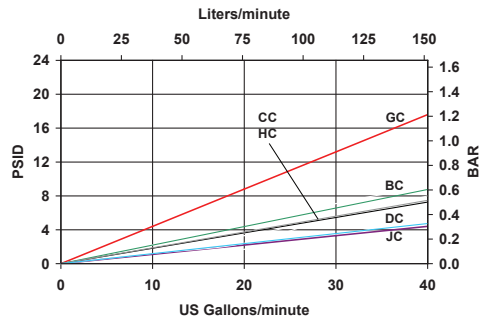
Housing F4F 030/040 - Flow vs Pressure Drop



F4F 030 Elements - Flow vs Pressure Drop

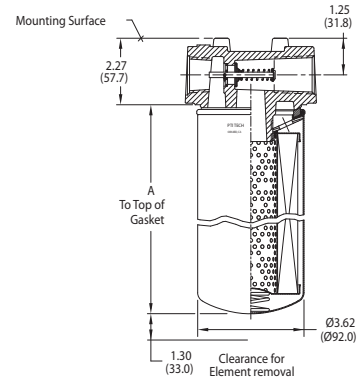
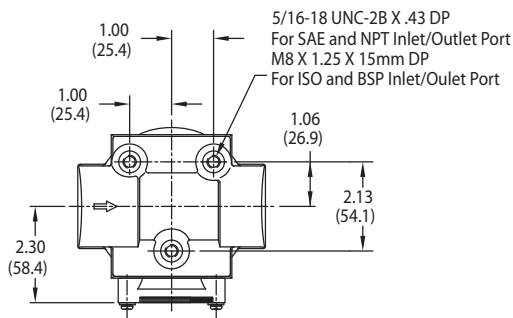


F4F 040 Elements - Flow vs Pressure Drop



Pressure drop curves are based on 150 SUS (32 cSt) petroleum base hydraulic fluid of 0.9 S.G. Filter Assembly $\Delta P = \text{Housing } \Delta P + \text{Element } \Delta P$

Assembly Dimensions in Inches (mm)



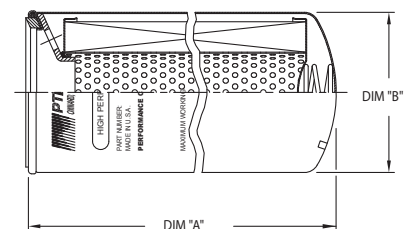
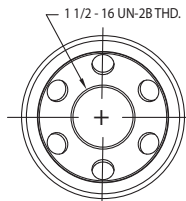
Filter Assembly (Housing and Element) Weight

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

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

Element 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-XXXXX - 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

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

Table 5 Port

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

Consult factory for ISO & BSP port options

Table 6 Gauge Options

Code	Option
O	None

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 Visual Indicator Loc

Code	Option
R **	Right Side
L **	Left Side
N	None

** when looking at inlet port

Element:

F4F-XXX - X X - X

TBL 1 TBL 2 TBL 3 TBL 4

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)

Table 4 Seals

Code	Material
B	Buna
V*	Viton®
N	Neoprene

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

For more info email: fluidpower@ptitechnologies.com



PTI Technologies Inc.
501 Del Norte Boulevard
Oxnard, California 93030
800-331-2701 • 805-604-3700
www.ptitechnologies.com



©2021 An ESCO Technologies Company All Rights Reserved.

PTI Technologies Inc is certified to ISO standards