



F8D Series Inline Type Hydraulic Filter Assemblies

Low Pressure Hydraulic Filter Assemblies

Features

- 150 psi (10 bar) operating pressure
- 120 gpm (454 lpm) nominal flow rate
- Elements available with $\beta_{X(C)} \geq 1000$ Glas-Tech® media
- Optional DryPak™ moisture control media
- RePak® (Replaceable Pleat Pack) element
- NPT or ANSI flange ports
- Optional visual & electrical indicators

Technical Data

Pressure & Temperature Rating

Operating Pressure:	150 psi (10 bar)
Proof Pressure:	225 psi (16 bar)
Burst Pressure:	450 psi (31 bar)
Operating Temperature:	-65°F to +250°F (-54°C to +121°C)

Materials of Construction

Steel

Bypass Options

Bypass Valve Setting:	50 psid (3.4 bar) $\pm 10\%$
	No Bypass

Seal Material Options

Seal Materials:	Buna
	Viton®

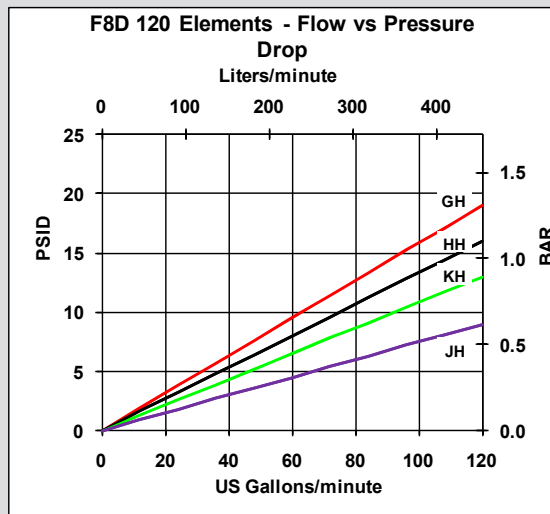
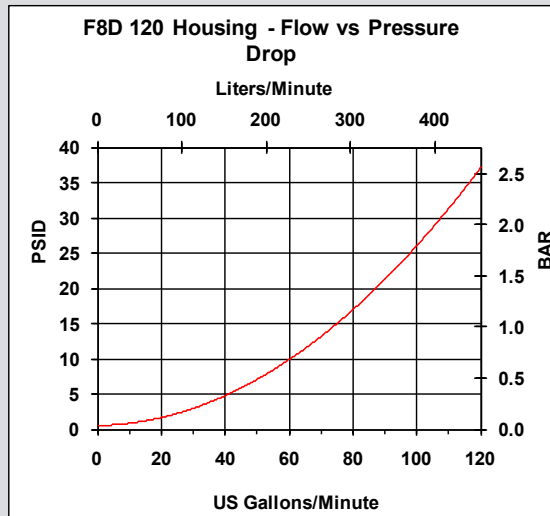
*A more robust
and reliable
filter assembly*

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	$\beta_x \geq 200$	$\beta_{x(c)} \geq 200$	$\beta_{x(c)} \geq 1000$
V	1 μ m	4.2 μ m	4.2 μ m
G	3 μ m	5 μ m	7 μ m
H	6 μ m	7 μ m	9 μ m
K	12 μ m	12 μ m	15 μ m
J	23 μ m	21 μ m	24 μ m

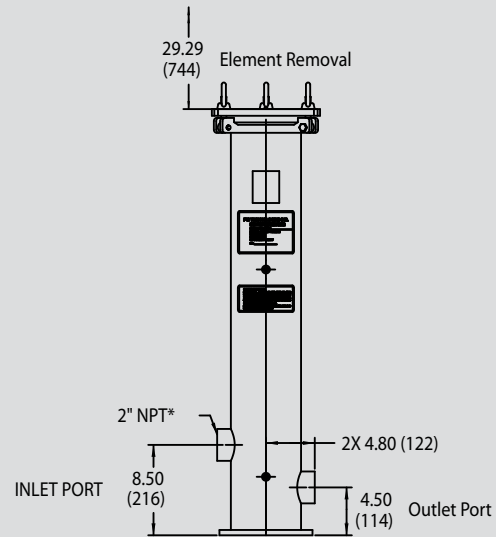
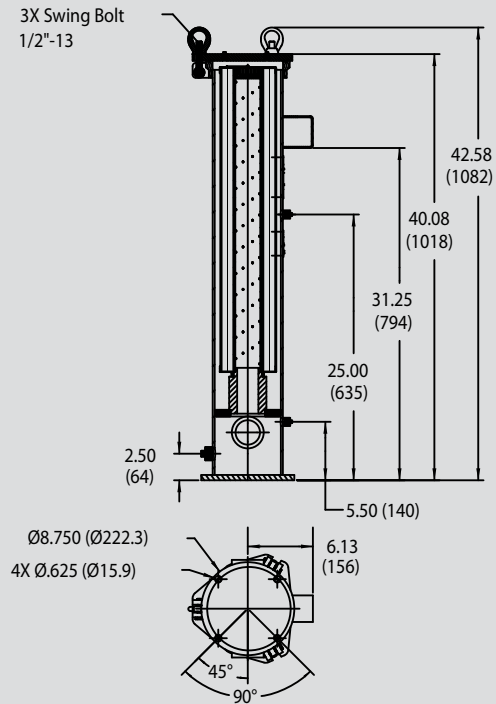
Flow Rate/Pressure Drop Curves



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

Dimensions*

* Dimensions in inches (mm)



* 2" NPT Port shown here. 2" ANSI Port also available.

Filter Assembly Weight

Filter Assembly (Housing & Element) Weight

Size	120
Weight	82 lbs (37 kg)

Ordering Information

Assembly:

F8D	XXX	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		

F8D Assemblies are sold without elements but with CTA. Elements are purchased separately.

Table 1 Size

Code	Nominal Flow
120	120 gpm (454 lpm)

Table 2 Filtration Rating

Code	Micron Rating	Media
N	No Filter Element	

Table 3 Collapse

Code	Pressure Rating
N	No Filter Element

Table 4 Seals

Code	Material
B	Buna
V	Viton®

Viton® is a registered trademark of DuPont Performance Elastomers

Table 5 Port

Code	Option
H	2" NPT
J	2" ANSI Flange

Table 6 Gage/Sampling

Code	Option
O	None

Table 7 Gage Port

Code	Option
4	Two 1/4" NPT (Plugged)

Table 8 Bypass

Code	Option
H	50 psid (3.4 bar) ±10%
N	Non By-pass

Table 9 Drain Port

Code	Option
Z	Vent - 1-1/4" NPT Plug Drain - 1-3/4" NPT Plug

Element:

F8D-XXX	-	X	X	-	X	-	X
TBL 1	TBL 2	TBL 3	TBL 4	TBL 5			

Table 1 Size

Code	Nominal Flow
120	120 gpm (454 lpm)

Table 2 Filtration Rating

Code	Micron Rating	Media
V	$\beta_{4.2(c)} \geq 1000$	Glas-Tech
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

Table 3 Collapse

Code	Collapse Rating
F	150 psid (10 bar)

Table 4 Seals

Code	Material
B	Buna
V	Viton®

Table 5 Options

Code	Options
Omit	Standard Element
W	DryPak™ Configuration