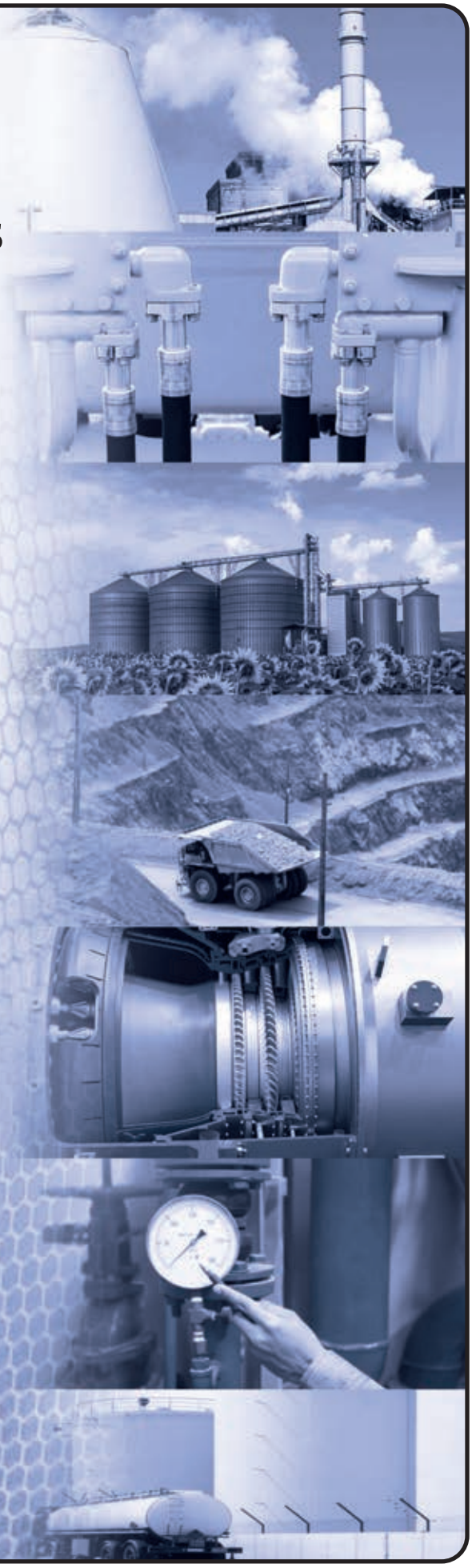
F8D 120 Series Inline -Type Hydraulic Filter Assemblies

For Low-Pressure Hydraulics

Features

- 150 psi (10 bar) operating pressure
- 120 gpm (454 lpm) nominal flow rate
- Elements available with $\beta_{x(c)} \geq 1000$ Glas-Tech III® 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° (-54°C to +121°C)

- Materials of Construction — Steel
- Bypass Options

Bypass Valve Options:	50 psid (3.4 bar) ±10% No Bypass

- Seal Material Options

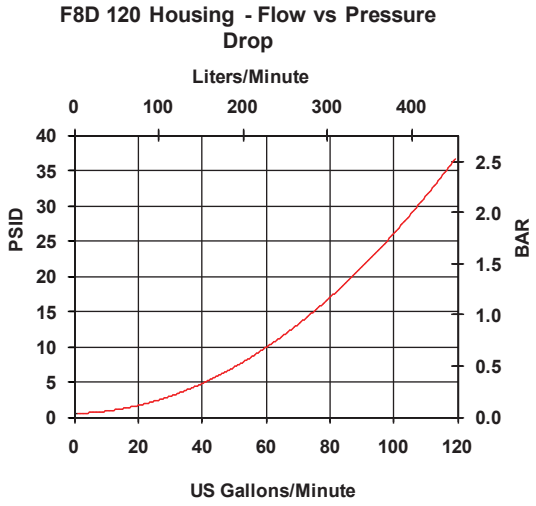
Seal Material:	Buna Viton®

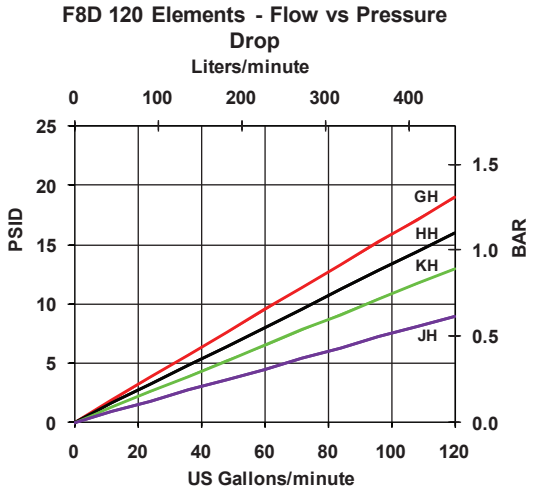
Filtration Rating

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

	Per ISO 4572	Per ISO 16889	
Code	$ß_x \geq 200$	$ß_{x(c)} \geq 200$	$ß_{x(c)} \geq 1000$
V	1µm	4.2µm	4.2µm
G	3µm	5µm	7µm
H	6µm	7µm	9µm
K	12µm	12µm	15µm
J	23µm	21µm	24µm

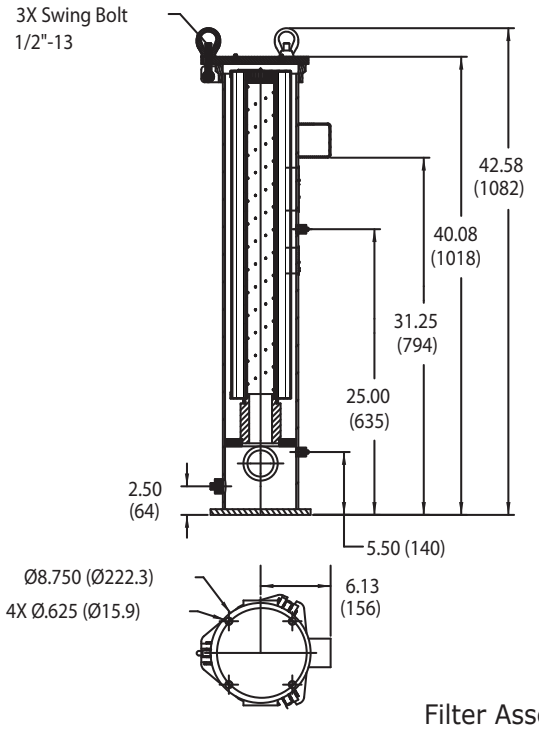
Flow Rate/Pressure Drop Curves

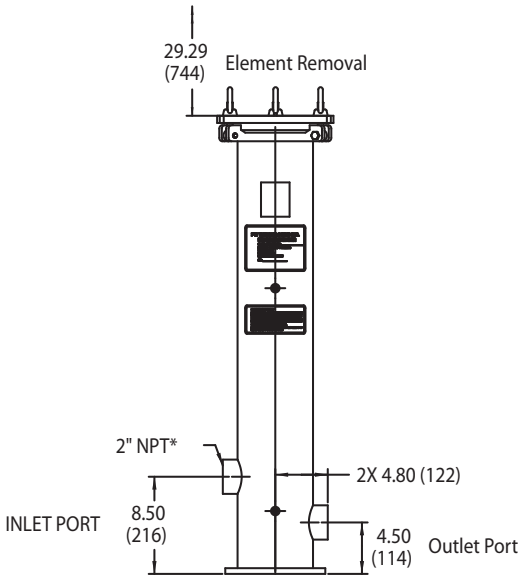




Pressure drop curves are based on 150 SUS (32 cSt) petroleum base hydraulic fluid of 0.9 S.G.
Filter Assembly ΔP = Housing ΔP + Element ΔP

Dimensions in Inches (mm)





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

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- 120 - 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	$ß_{4.2(c)} \geq 1000$	Glas-Tech III®
G	$ß_{7(c)} \geq 1000$	Glas-Tech III®
H	$ß_{9(c)} \geq 1000$	Glas-Tech III®
K	$ß_{15(c)} \geq 1000$	Glas-Tech III®
J	$ß_{24(c)} \geq 1000$	Glas-Tech III®

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

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