

*A more robust
and reliable
filter element*

DP83 Series Filter Elements

Features

- Fit PTI F7G & F8G filter assemblies
- Element collapse rating 150 psid (10 bar)
- 150 & 250 gpm (568 & 946 lpm) nominal flow rates
- Elements available with Glas-Tech® $\beta_{x(c)} \geq 1000$ media
- Optional DryPak™ moisture control media

Technical Data

Collapse Rating	150 psid (10 bar)
Operating Temperature	-45°F to +250°F (-43°C to +121°C)
Materials of Construction	
Center Tube:	Zinc Plated Steel
End Caps:	Zinc Plated Steel
Seal Material Options	
Seal Materials:	Buna Viton®

Technical Information

Proper fluid maintenance requires periodic replacement of filter elements to insure maximum contamination control. The DP83 Series filter elements are a cost effective replacement for PTI filter assemblies. DP83 Series elements provide high efficiency and double the dirt-holding capacity of standard elements. This results in reduced system wear and downtime. A selection of proprietary media are offered to meet all of your filtration requirements. PTI filters are tested to the latest ISO standards for multipass efficiency testing.

Glas-Tech® High Performance Micro-Fiberglass Media

PTI's proven Glas-Tech® $\beta_{x(c)} \geq 1000$ micro-fiberglass media utilizes multi-layer construction for increased dirt-holding capacity and low pressure drop providing cost-effective contamination control for the most demanding applications. Glas-Tech® can be combined with DryPak™ media to provide particle and moisture protection.

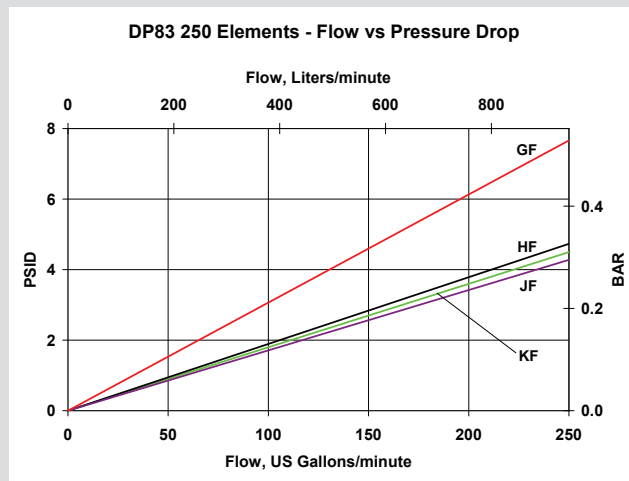
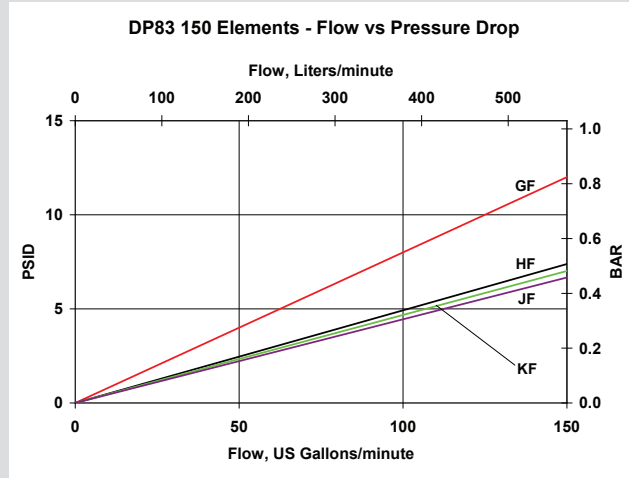


Elements

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.

ISO 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
L	35 μ m	28 μ m	35 μ m

Flow Rate/Pressure Drop Curves

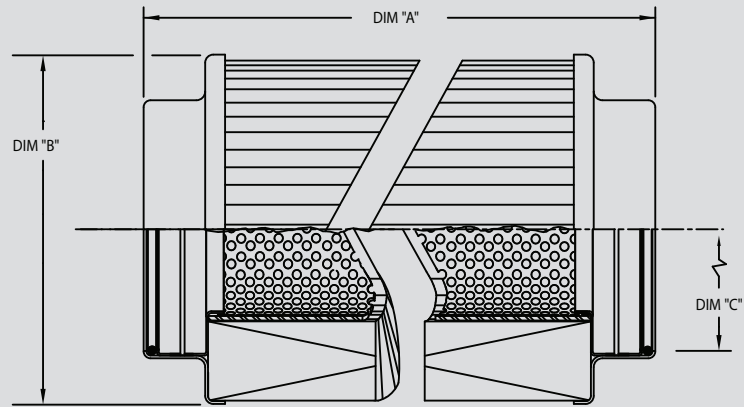


Pressure drop curves are based on 150 SUS (32 cSt) petroleum base hydraulic fluid of 0.9 S.G.

Filter Assembly ΔP = Housing ΔP + Element ΔP

Dimensions*

* Dimensions in inches (mm)



Dimension Information:

Element Number	DIM A Inches (mm)	DIM B Inches (mm)	DIM C Inches (mm)
DP83-150	16.0 (405.9)	6.0 (151.6)	4.1 (104.9)
DP83-250	37.8 (961.4)	6.0 (151.6)	4.1 (104.9)

Ordering Information

Element:

DP83 -	X X X	-	X X	-	X	-	X
	TBL 1		TBL 2 TBL 3		TBL 4		TBL 5

Table 1 Size

Code	Nominal Flow
150	150 gpm (568 lpm)
250	250 gpm (948 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
L	$\beta_{35(c)} \geq 1000$	Glas-Tech

Table 3 Collapse

Code	Collapse Rating
F	150 psid (10 bar)

Table 4 Seals

Code	Material
B	Buna
V	Viton®

Viton® is a registered trademark of DuPont Performance Elastomers

Table 5 Options

Code	Material
Omit	Standard Element
W	DryPak™ Configuration