



*A more robust  
and reliable  
filter element*

## PC83 Series Filter Elements

Interchange Elements

### Features

- Element collapse rating 150 psid (10 bar)
- 150 & 250 gpm (568 & 946 lpm) nominal flow rates
- Elements available with Glas-Tech III  $\beta_{x(c)} \geq 1000$  proprietary media
- Optional DryPak™ moisture control media
- Easy lift handles
- Replacement for Pall 8304 & 8314 series filter elements

### Technical Data

Collapse Rating	150 psid (10 bar)
Operating Temperature:	-45°F to +250°F (-43°C to +121°C)
Materials of Construction	
End Caps:	Reinforced Polymer
Media Support:	Epoxy Coated Carbon Steel Wire

### Technical Information

Proper fluid maintenance requires periodic replacement of filter elements to insure maximum contamination control. PC83 Series elements provide high efficiency and maximum dirt holding capacity resulting in reduced system wear and downtime. PTI filters are tested to the latest ISO standards for multipass efficiency testing.

#### *Glas-Tech® High Performance Micro-Fiberglass Media*

The PC83 elements are manufactured with Glas-Tech proprietary media to meet your filtration requirements. PTI filters are tested to the latest ISO standards for multipass efficiency testing. Proper fluid maintenance requires replacement of filter elements to insure maximum contamination control. The PC83 Series Filter Elements are a cost effective replacement for Pall Series 8304 & 8314 filter elements.

PTI's proven Glas-Tech  $\beta \geq 1000$  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

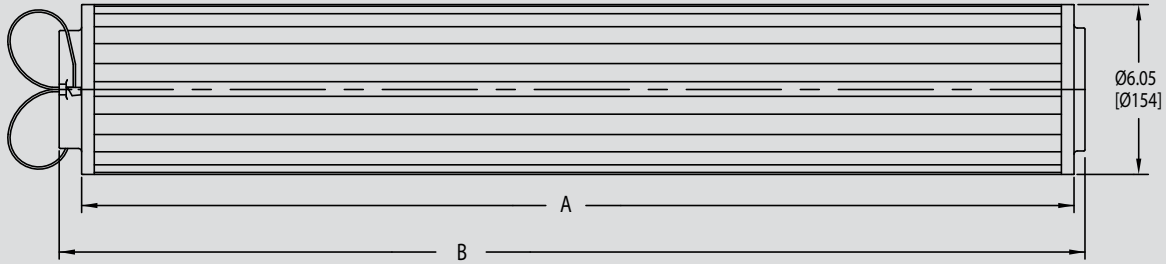
PTI filter elements are manufactured with the highest quality materials. PTI filter elements feature multi-layer construction for increased dirt-holding capacity and low pressure drop. PTI elements provide cost-effective contamination control for the most demanding applications. All elements are tested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

<b>Filtration Rating</b>			
Multipass Test results per old ISO 4572 and new ISO 16889 test procedures			
Particle size (x) in microns at which the Beta Ratio ( $\beta$ ) is greater than or equal to the indicated value (200 or 1000).			
	<b>Per ISO 4572</b>	<b>Per ISO 16889</b>	
<b>Code</b>	$\beta_x \geq 200$	$\beta_{x(e)} \geq 200$	$\beta_{x(e)} \geq 1000$
V	1 $\mu$ m	4.2 $\mu$ m	4.2 $\mu$ m
G	3 $\mu$ m	5 $\mu$ m	7 $\mu$ m
H	6 $\mu$ m	7 $\mu$ m	9 $\mu$ m
K	12 $\mu$ m	12 $\mu$ m	15 $\mu$ m
J	23 $\mu$ m	21 $\mu$ m	24 $\mu$ m

<b>PTI to Pall Cross Reference</b>				
<b>PTI Part Number</b>	<b>Pall Part Number</b>		<b>PTI Part Number</b>	<b>Pall Part Number</b>
PC83-130-GF-B	HC8304FKP13H		PC83-150-JF-V	HC8304FKT16Z
PC83-130-GF-V	HC8304FKP13Z		PC83-150-KF-B	HC8304FKS16H
PC83-130-HF-B	HC8304FKN13H		PC83-150-KF-V	HC8304FKS16Z
PC83-130-HF-V	HC8304FKN13Z		PC83-250-VF-B	HC8304FKZ39H
PC83-130-JF-B	HC8304FKT13H		PC83-250-VF-V	HC8304FKZ39Z
PC83-130-JF-V	HC8304FKT13Z		PC83-250-GF-B	HC8304FKP39H
PC83-130-KF-B	HC8304FKS13H		PC83-250-GF-V	HC8304FKP39Z
PC83-130-KF-V	HC8304FKS13Z		PC83-250-HF-B	HC8304FKN39H
PC83-150-GF-B	HC8304FKP16H		PC83-250-HF-V	HC8304FKN39Z
PC83-150-GF-V	HC8304FKP16Z		PC83-250-JF-B	HC8304FKT39H
PC83-150-HF-B	HC8304FKN16H		PC83-250-JF-V	HC8304FKT39Z
PC83-150-HF-V	HC8304FKN16Z		PC83-250-KF-B	HC8304FKS39H
PC83-150-JF-B	HC8304FKT16H		PC83-250-KF-V	HC8304FKS39Z

## Dimensions\*

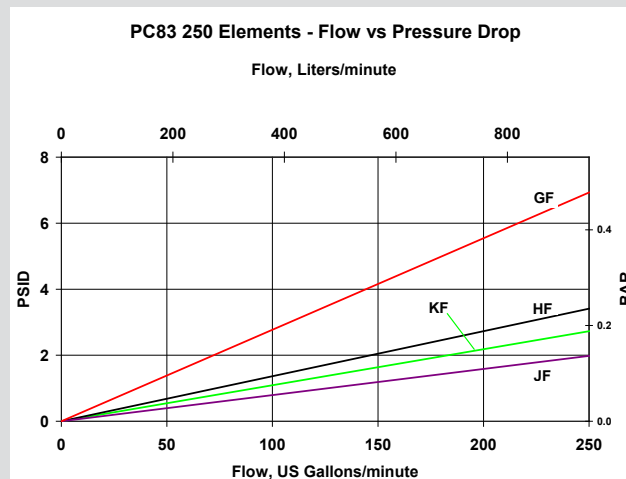
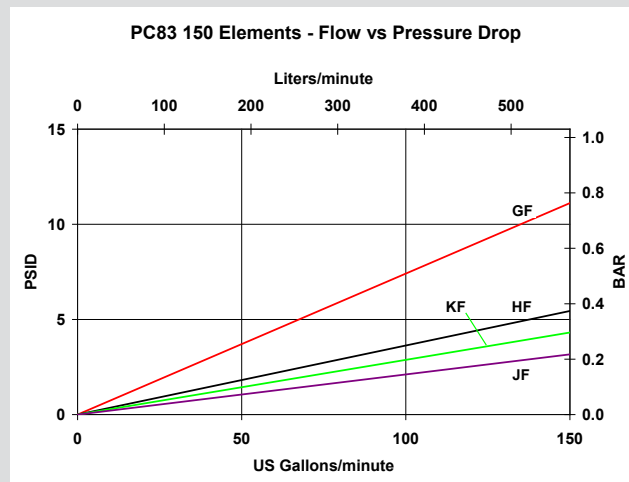
\* Dimensions in inches (mm)



Dimensions in inches [mm]

Element P/N	Dimension A	Dimension B
PC83-150	13.38 (340)	14.57 (370)
PC83-250	35.35 (898)	36.54 (928)

## 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  $\Delta P$  = Housing  $\Delta P$  + Element  $\Delta P$

## Ordering Information

Element:

PC83 -	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 (946 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 5**      **Options**

Code	Option
Omit	Standard Element
W	DryPak™ Configuration

**Table 4**      **Seal**

Code	Material
B	Buna
V	Viton®