



# PC83 Series Filter Elements

## Element Interchange



## 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 ensure maximum contamination control. PC83 Series elements provide high-efficiency and maximum dirt-holding capacity to minimize system wear and downtime. PTI filters are tested to the latest ISO standards for multipass efficiency.

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

The PC83 elements are manufactured with Glas-Tech proprietary media to meet your filtration requirements. The PC83 Series Filter Elements are a cost-effective replacement for Pall Series 8304 & 8314 filter elements.

PTI's proven Glas-Tech III®  $\beta \geq 1000$  micro-fiberglass media utilizes multi-layer construction for increased dirt-holding capacity and low-pressure drop. Glas-Tech III® 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.

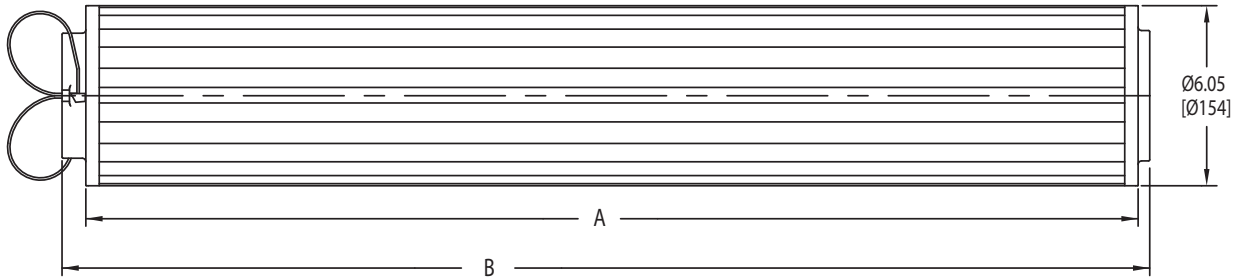
PTI's proprietary media construction allows for higher dirt-holding capacity to extend filter life, reduce cost and minimize downtime for the customer.

## 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 ( $\beta$ ) is greater than or equal to the indicated value (200 or 1000).

Code	Per ISO 4572	Per ISO 16889	
	$\beta_x \geq 200$	$\beta_{x(c)} \geq 200$	$\beta_{x(c)} \geq 1000$
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

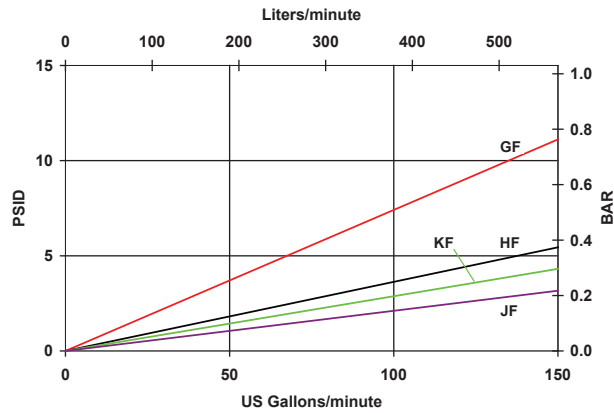
## Dimensions in Inches (mm)



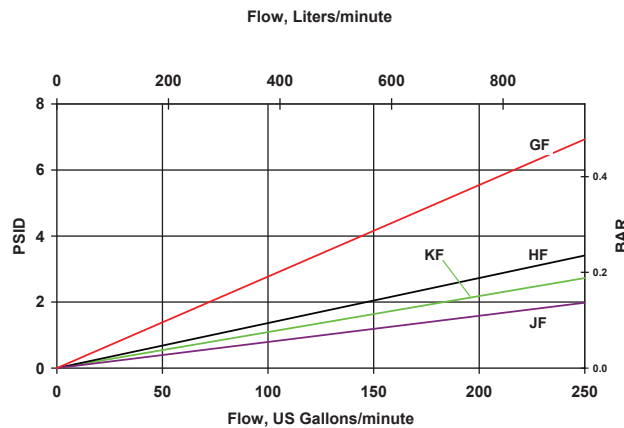
Dimensions in inches [mm]		
Element P/N	Dimension A	Dimension B
PC83-150	13.38 (340)	14.57 (370)
PC83-250	35.35 (898)	36.54 (928)

## Flow Rate/Pressure Drop Curves

**PC83 150 Elements - Flow vs Pressure Drop**



**PC83 250 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  $\Delta P$  = Housing  $\Delta P$  + Element  $\Delta P$

## PTI to Pall Cross Reference

PTI Part Number	Pall Part Number	PTI Part Number	Pall Part Number
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

## Ordering Information

Element:



Code	Nominal Flow
150	150 gpm (568 lpm)
250	250 gpm (946 lpm)

Code	Micron Rating	Media
V	$\beta_{4.2(c)} \geq 1000$	Glas-Tech III®
G	$\beta_{7(c)} \geq 1000$	Glas-Tech III®
H	$\beta_{9(c)} \geq 1000$	Glas-Tech III®
K	$\beta_{15(c)} \geq 1000$	Glas-Tech III®
J	$\beta_{24(c)} \geq 1000$	Glas-Tech III®

Code	Collapse Rating
F	150 psid (10 bar)

Code	Material
B	Buna
V	Viton®

Code	Option
Omit	Standard Element
W	DryPak® Configuration

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