



# RP83 RePak® Series Filter Elements

## Replaceable Pleat Pack Filter Elements



## Features

- Fit PTI F7G & F8G filter assemblies
- Upgrades PTI P83 and DP83 elements
- Reusable center tube assembly
- 150 & 250 gpm (568 & 946 lpm) nominal flow rates
- Elements available with Glas-Tech III®  $\beta_{x(c)} \geq 1000$  media
- Optional DryPak® Moisture control media
- Full water removal media available

## 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:                | Electroless Nickel or Zinc Plated Steel |
| End Caps:                   | Nylon 6/6                               |



## Technical Information

Proper fluid maintenance requires periodic replacement of filter elements to ensure maximum contamination control. The RP83 Series Filter elements reusable center tube make them a cost effective replacement for PTI filter assemblies. RP83 Series elements provide high-efficiency and maximum dirt-holding capacity resulting 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 III®  $\beta_{x(c)} \geq 1000$  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's proprietary media construction allows for higher dirt holding capacity to extend filter life, reduce cost and minimize downtime for the customer.

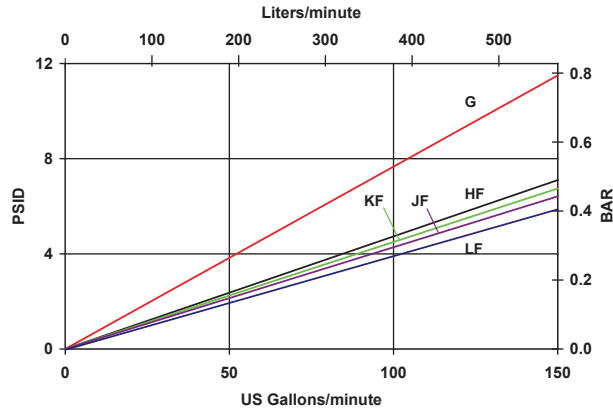
## Filtration Rating

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).

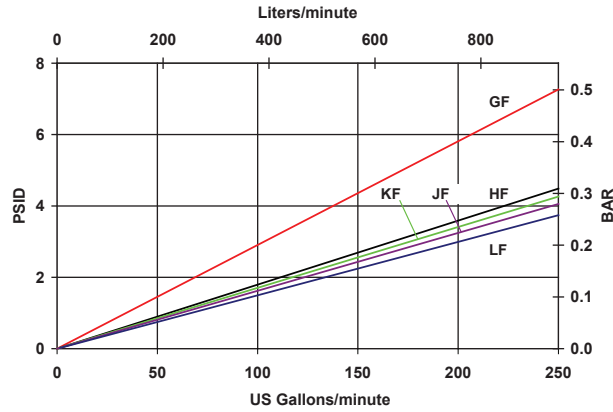
Code	Per ISO 4572	Per ISO 16889	
	$\beta_x \geq 200$	$\beta_{x(c)} \geq 200$	$\beta_{x(c)} \geq 1000$
V	1 $\mu$ m	4.2 $\mu$ m	4.2 $\mu$ m
G	3 $\mu$ m	5 $\mu$ m	7 $\mu$ m
H	6 $\mu$ m	7 $\mu$ m	9 $\mu$ m
K	12 $\mu$ m	12 $\mu$ m	15 $\mu$ m
J	23 $\mu$ m	21 $\mu$ m	24 $\mu$ m
L	35 $\mu$ m	28 $\mu$ m	35 $\mu$ m

## Flow Rate/Pressure Drop Curves

**RP83-150 Elements - Flow vs Pressure Drop**

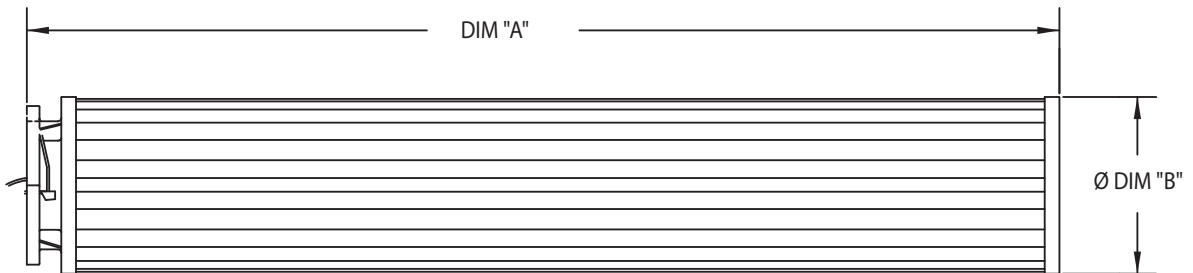


**RP83-250 Elements - Flow vs Pressure Drop**



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  $\Delta P$

## Dimensions in Inches (mm)



**Dimension Information:**

Element Number	DIM A inches (mm)	ØDIM B inches (mm)
RP83 - 150	14.69 (372.8)	6.0 (152.4)
RP83 - 250	36.50 (927.1)	6.0 (152.4)

## Ordering Information

Pack Assembly:

RP83-	X	X	X	-	X	-	X
	TBL 1	TBL 2	TBL 3		TBL 4		TBL 5

Note: Reusable Center Tube Assembly not included. Please see below.

**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 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®
L	$\beta_{35(c)} \geq 1000$	Glas-Tech III®
E	10 $\mu$ m	Water Removal

**Table 3**      **Collapse**

Code	Collapse Rating
F	150 psid (10 bar)

**Table 4**      **Seal**

Code	Material
B	Buna
V*	Viton®

**Table 5**      **Options**

Code	Option
Omit	Standard Element
W	DryPak® Configuration

\* Glas-Tech III® elements only Viton® is a registered trademark of DuPont Performance Elastomers.

Reusable Center Tube Assembly:

RP83-	X	X	X	-	X	X	X	-	X
	TBL 1	TBL 2	TBL 3		TBL 2	TBL 3		TBL 3	

**Table 1**      **Size**

Code	Nominal Flow	Size
150	150 gpm (568 lpm)	16 inch
250	250 gpm (946 lpm)	39 inch

**Table 2**      **Material**

Code	Material
CTA	Zinc Plated Steel
CTAE	Electroless Nickel Plated Steel

**Table 3**      **Seal**

Code	Size
B	Buna
V*	Viton®

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