



*A more robust  
and reliable  
filter element*

## RePak™ RP83 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
- 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 Pressure	400 psi (28 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 insure 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®  $\beta_{x(c)} \geq 1000$  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.

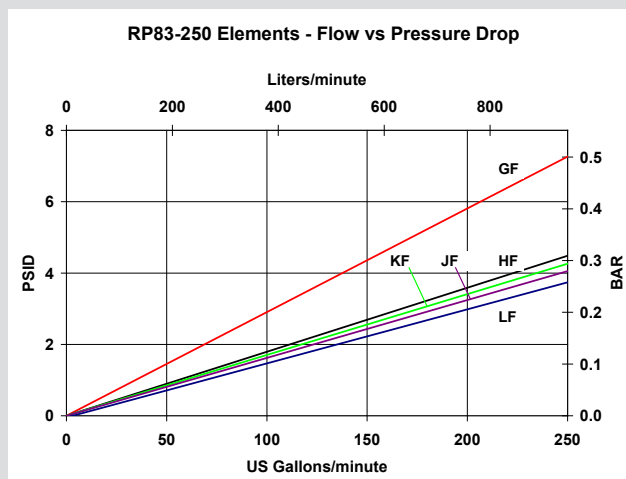
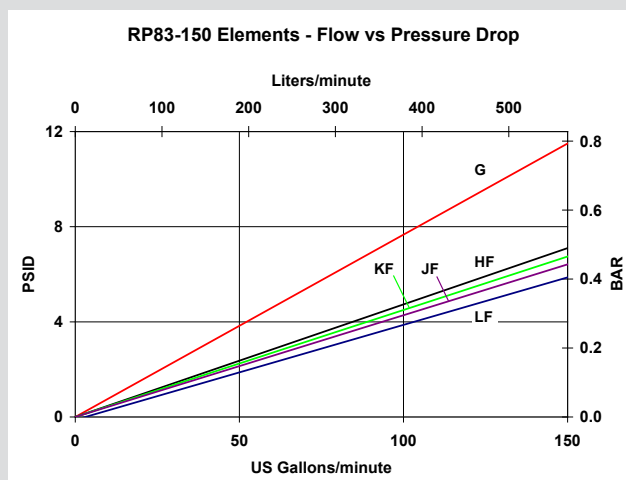


## Elements

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.

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

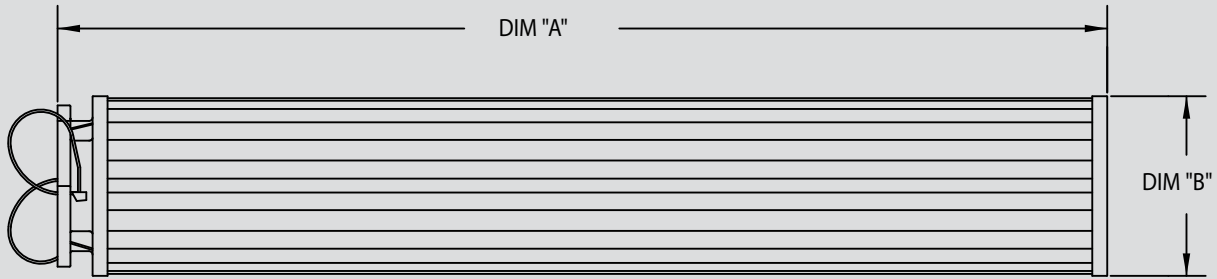
## Flow Rate/Pressure Drop Curves



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\*

\* Dimensions in inches (mm)



### Dimension Information:

Element Number	DIM A inches (mm)	DIM B inches (mm)
RP83 - 150	14.7 (373.0)	6.0 (152.0)
RP83 - 250	36.5 (927.0)	6.0 (152.0)

## Ordering Information

### Pack Assembly:

RP83-	X X 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
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
E	10 $\mu$ m	Water Removal

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®

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

### Reusable Center Tube Assembly:

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