



# RH83 RePak<sup>®</sup> Series Filter Elements

*High-Collapse, Replaceable  
Media Pack Elements*



## *Features*

- Reusable center tube assembly
- 150 & 250 gpm (568 & 946 lpm) nominal flow rates
- Elements available with Glas-Tech III<sup>®</sup>  $\beta_{x(c)} \geq 1000$  media
- Optional DryPak<sup>™</sup> moisture control media

## *Technical Information*

- |                             |   |
|-----------------------------|---|
| • Collapse Rating           | 200 psid (14 bar)                                       |
| • Operating Temperature     | 200°F (93°C) Maximum                                    |
| • Materials of Construction |   |
| Reusable Center Tube:       | Electroless-Nickel Plated Steel or<br>Zinc Plated Steel |
| Element End Caps:           | Polyurethane  |



## Technical Information

Proper fluid maintenance requires periodic replacement of filter elements to ensure maximum contamination control. The RH83 Series Filter elements reusable center tube make them a cost effective replacement for PTI filter assemblies. RH83 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.

### **Glas-Tech III® 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's proprietary media construction allows for higher dirt-holding capacity to extend filter life, reduce cost and minimize downtime for the customer.

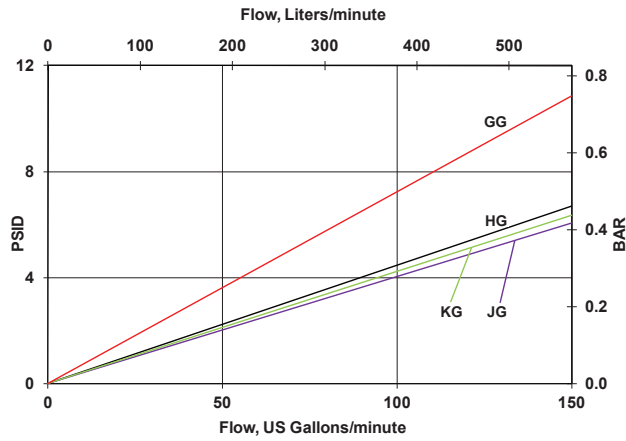
## Filtration Rating

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).

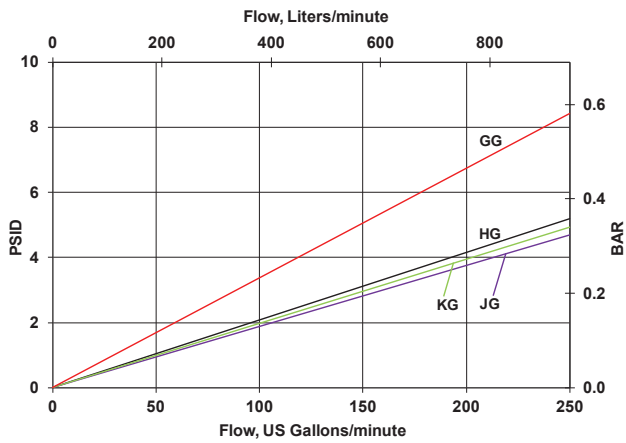
Code	Per ISO 4572	Per ISO 16889	
	$\beta_x \geq 200$	$\beta_{x(c)} \geq 200$	$\beta_{x(c)} \geq 1000$
V	1 $\mu$ m	4.2 $\mu$ m	4.2 $\mu$ m
G	3 $\mu$ m	5 $\mu$ m	7 $\mu$ m
H	6 $\mu$ m	7 $\mu$ m	9 $\mu$ m
K	12 $\mu$ m	12 $\mu$ m	15 $\mu$ m
J	23 $\mu$ m	21 $\mu$ m	24 $\mu$ m

## Flow Rate/Pressure Drop Curves

**RH83 150 Filter Elements - Flow vs Pressure Drop**

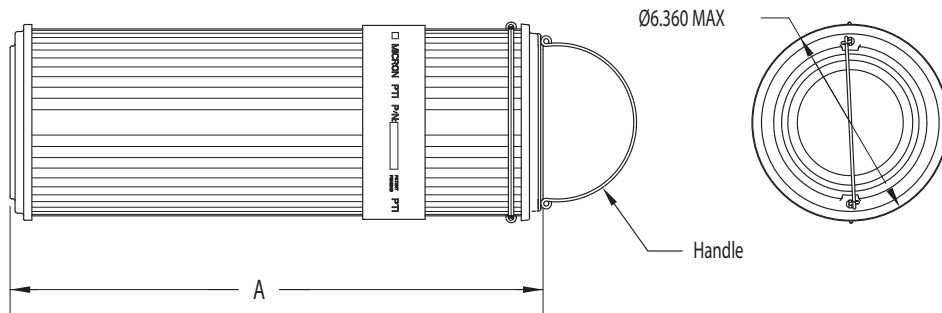


**RH83 250 Elements - Flow vs Pressure Drop**



Pressure drop curves are for clean elements using 150 SUS (32 cSt) petroleum base hydraulic fluid of 0.9 S.G. Filter Assembly  $\Delta P = \text{Housing } \Delta P + \text{Element } \Delta P$

## Dimensions in Inches (mm)



Dimensions in inches (millimeters)

Element	Dimension A
RH83-150	17.50 (444.5)
RH83-250	35.60 (904.2)

## Ordering Information

Pack Assembly:



**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®

**Table 3**      Options

Code	Option
Omit	Standard Element
W	DryPak® Configuration

Reusable Center Tube Assembly:



**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®

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

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