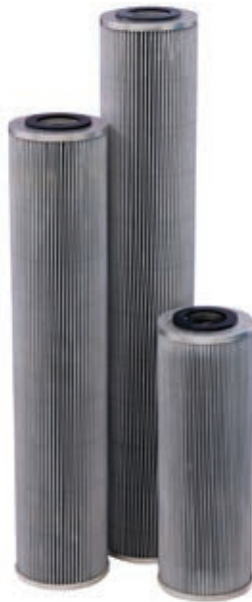




H83 100 - 250 Series Filter Elements

*Advanced Interchanges For
Hilco/Kaydon Elements*



Features

- Replace Hilco, Kaydon, Refilco and other 6x18 & 6x36 size filter elements
- Element collapse rating 100 psid (7 bar)
- 100, 150, 200 & 250 gpm (379, 568, 757 & 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 100 psid (7 bar)
- Operating Temperature -45°F to +250°F (-43°C to +121°C)
- Materials of Construction
 - Center Tube: Tin Plated Steel
 - End Caps: Tin Plated Steel

All Stainless Steel Construction (Media Excepted) Available. Please Consult Factory For Information.



Technical Information

Proper fluid maintenance requires periodic replacement of filter elements to ensure maximum contamination control. The H83 Series filter elements are a cost-effective replacement for Hilco, Kaydon, Refilco and other 6x18 and 6x36 size filter elements. The H83 filter element is manufactured with Glas-Tech® $\beta_{x(c)} \geq 1000$ proprietary media. Glas-Tech® $\beta_{x(c)} \geq 1000$ provides 3-4 times the dirt holding capacity of traditional cellulose elements. 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 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 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 minimize downtime and cost 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 (β) is greater than or equal to the indicated value (200 or 1000).

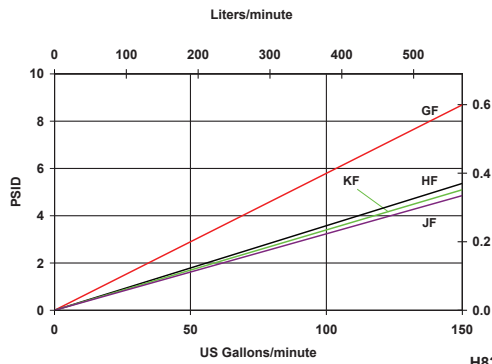
Code	Per ISO 4572	Per ISO 16889	
	$\beta_x \geq 200$	$\beta_{x(c)} \geq 200$	$\beta_{x(c)} \geq 1000$
V	1 μ m	4.2 μ m	4.2 μ m
G	3 μ m	5 μ m	7 μ m
H	6 μ m	7 μ m	9 μ m
K	12 μ m	12 μ m	15 μ m
J	23 μ m	21 μ m	24 μ m

Code	Micron Rating	Media
E	10 μ m	Water Removal

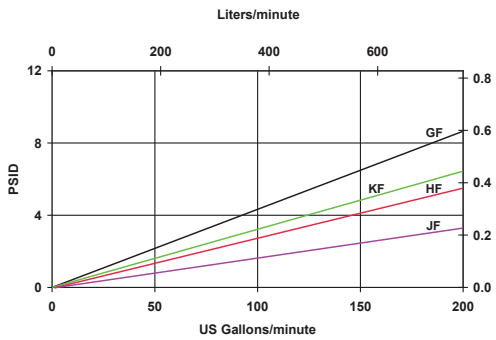
* Available in 150 & 250 Size H83

Flow Rate/Pressure Drop Curves

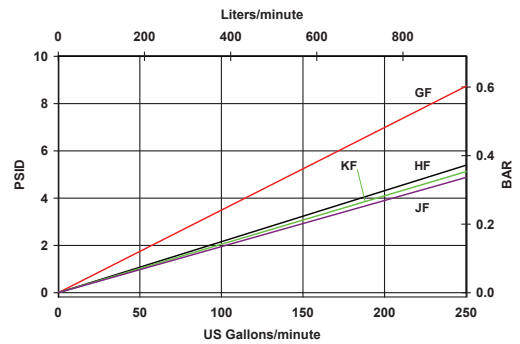
H83-150 Elements - Flow vs Pressure Drop



H83-200 Elements - Flow vs Pressure Drop

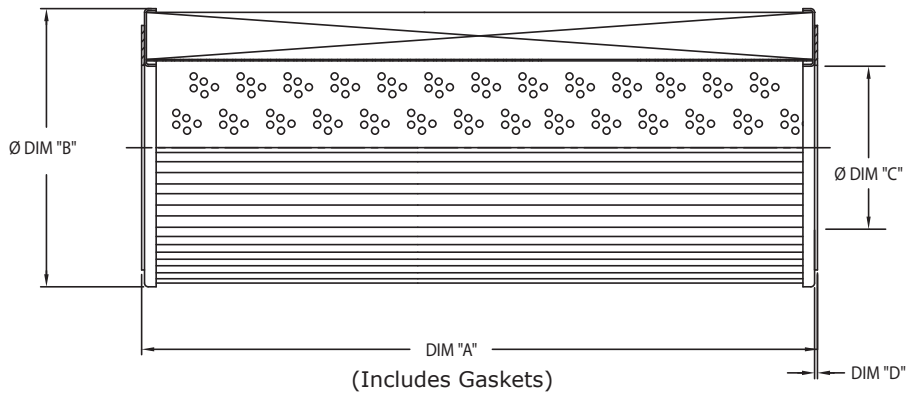


H83-250 Elements - Flow vs Pressure Drop



Pressure drop curves are based on 150 SUS (32 cSt) petroleum base hydraulic fluid of 0.9 S.G.
Filter Assembly ΔP = Housing ΔP + Element ΔP

Dimensions in Inches (mm)



Dimension Information

Element Number	DIM A Inches (mm)	ØDIM B Inches (mm)	ØDIM C Inches (mm)	DIM D Inches (mm)
H83-100	14.50 (368.3)	6.00 (152.4)	3.5 (89.0)	0.06 (1.6)
H83-150	17.96 (456.2)	6.00 (152.4)	2.63 (66.8)	0.19 (4.8)
H83-200	30.01 (762.2)	6.00 (152.4)	2.63 (66.8)	0.19 (4.8)
H83-250	36.06 (915.9)	6.00 (152.4)	2.63 (66.8)	0.19 (4.8)

Ordering Information

Element:

H83-	XXX	-	X	-	X	-	X	-	X
	TBL 1		TBL 2		TBL 3		TBL 4		TBL 5

Table 1 / **Size**

Code	Nominal Flow
100	100 gpm (379 lpm)
150	150 gpm (568 lpm)
200	200 gpm (757 lpm)
250	250 gpm (946 lpm)

Table 2 / **Filtration Rating**

Code	Micron Rating	Media
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®
V	$\beta_{4.2(c)} \geq 1000$	Glas-Tech III®

Table 3 / **Collapse**

Code	Collapse Rating
D	100 psid (7 bar)

Table 4 / **Seals**

Code	Material
B	Buna
V	Viton®
N	Neoprene
X	No Seal

Table 5 / **DryPak® Media**

Code	Material
W	DryPak® Media
Blank	No DryPak® Media

For more info email: fluidpower@ptitechnologies.com



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