A more robust and reliable filter element

H83 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® $ß_{x(c)} \geq 1000$ media
- Optional DryPak™ moisture control media

Technical Data

Collapse Rating	100 psid (7 bar)
Operating Temperature	-45ºF to +250ºF (-43ºC to +121ºC)
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 insure 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® $ß_{x(c)} \geq 1000$ proprietary media. Glas-Tech® $ß_{x(c)} \geq 1000$ provides 3-4 times the dirt holding capacity of traditional cellulose elements. PTI filters are tested to the latest ISO standards for multipass efficiency testing.

Glas-Tech® High Performance Micro-Fiberglass Media

PTI's proven Glas-Tech® $ß_{x(c)} \geq 1000$ 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

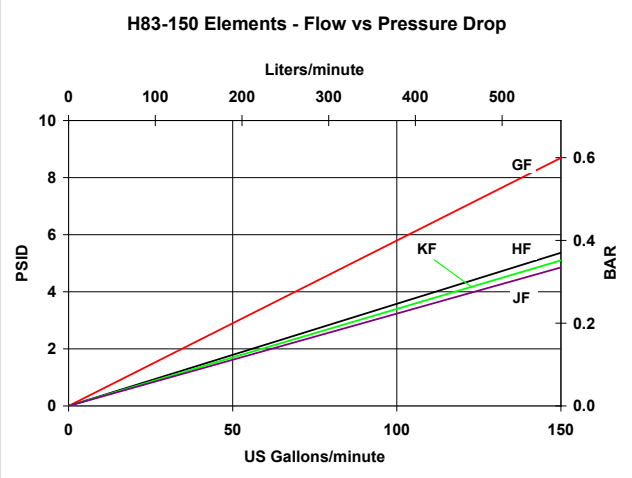
PTI filter elements are manufactured with the highest quality materials. PTI filter elements feature multi-layer construction for increased dirt-holding capacity and low pressure drop. PTI elements provide cost-effective contamination control for the most demanding applications. All elements are tested to the latest industry standards including ISO 16889 procedure for multipass efficiency testing.

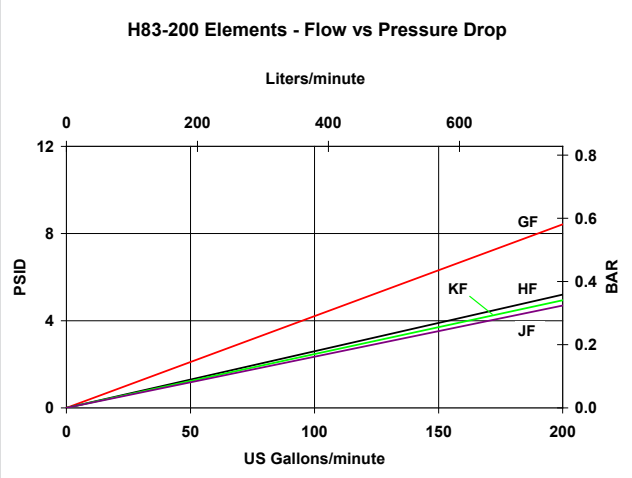
Filtration Rating

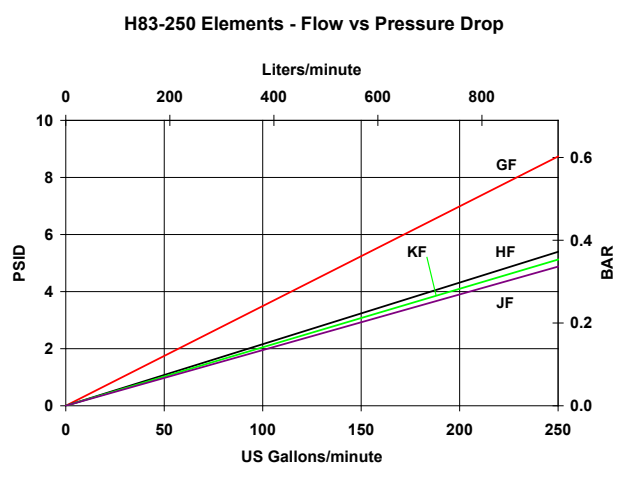
Multipass Test results per old ISO 4572 and new ISO 16889 test procedures
Particle size (x) in microns at which the Beta Ratio (ß) is greater than or equal to the indicated value (200 or 1000).

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

Flow Rate/Pressure Drop Curves



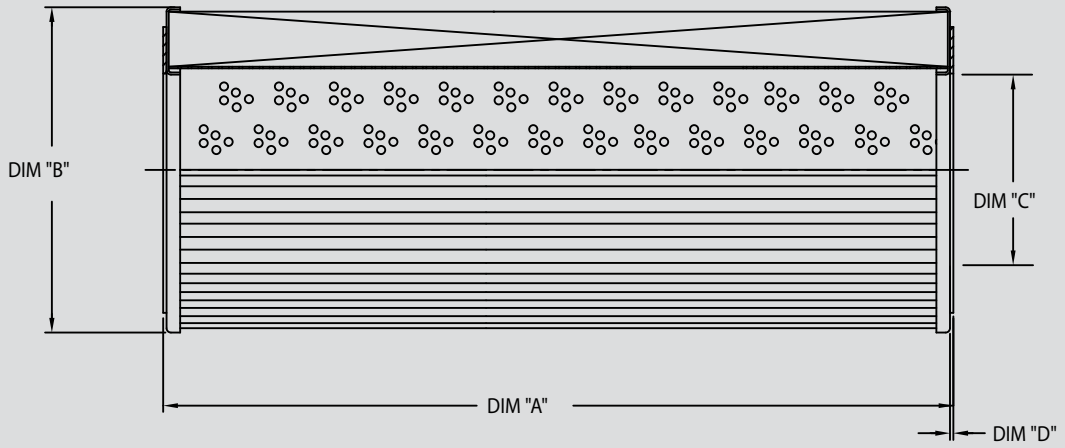




Pressure drop curves are based on 150 SUS (32 cSt) petroleum base hydraulic fluid of 0.9 S.G.
Filter Assembly ΔP = Housing ΔP + Element ΔP

Dimensions*

*** Dimensions in inches (mm)**



Dimension Information :

Element Number	DIM A Inches (mm)	DIM B Inches (mm)	DIM C Inches (mm)	DIM D Inches (mm)
H83-100	14.5 (368.0)	6.0 (152.4)	3.5 (89.0)	0.06 (1.6)
H83-150	17.8 (451.2)	6.0 (152.4)	2.6 (66.8)	0.18 (4.7)
H83-200	29.6 (752.6)	6.0 (152.4)	2.6 (66.8)	0.18 (4.7)
H83-250	35.9 (911.0)	6.0 (152.4)	2.6 (66.8)	0.18 (4.7)

Ordering Information

Element:

H83-	X X X	-	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
H	$\beta_{9(c)} \geq 1000$	Glas-Tech
K	$\beta_{15(c)} \geq 1000$	Glas-Tech
J	$\beta_{24(c)} \geq 1000$	Glas-Tech
V	$\beta_{4.2(c)} \geq 1000$	Glas-Tech

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

Viton® is a registered trademark of DuPont Performance Elastomers

Table 5 DryPak™ Media

Code	Material
W	DryPak™ Media
Blank	No DryPak™ Media

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PTI Technologies Inc is certified to ISO standards