PTI Technologies Inc.
Purification Through Innovation

H83 SERIES HILCO/KAYDON INTERCHANGE ELEMENTS

PTI Technologies is now positioned to provide you the most technically advanced interchanges for Hilco, Kaydon, Refilco, etc. 6 x 18 and 6 x 36 size elements. These elements with Glas-Tech II® media are available in four (4) removal ratings where β_x = >200 and have a 100 PSID collapse rating.

Filtration Performance at Specific Beta Ratios

Element Medium	Beta Ratios			
	β_3	β_5	β_{10}	β_{20}
G	>200	>1000	>5000	>5000
H	23	200	>3000	>5000
K	—	20	196	>1000
J	—	2	7	80

Filtration Performance at Specific Particle Sizes

Element Medium	Absolute Ratings		
	β_x = 75 (98.7%)	β_x = 100 (99.0%)	β_x = 200 (99.5%)
G	>2	2.5	3
H	4.2	4.8	6
K	8.0	8.5	12.0
J	19.5	21.0	23.0

Dimension Table

Size	Model	Length	O. D.	I. D.
6 x 18 inch	150	17.95	6.00	2.53
6 x 36 inch	250	36.05	6.00	2.53

The new Hilco/Kaydon interchange elements with Glas-Tech II media have exhibited exceptional dirt holding characteristics – extending the life normally achieved with traditional cellulose elements by 3-4 times. In addition, these elements maintain a much cleaner hydraulic and/or lube system, and exhibit a much lower clean pressure drop due to the random pore medium construction.

Potential Markets

- Power Generation
- Pulp and Paper
- Primary Metals
- Oil Refining/Packaging
- Hydraulic Component Manufacturing
- Teststands

Features of New Glas-Tech II® Elements

- Broad Media Selection
- Improved Efficiency
- $B_x \geq 200$
- Greater Dirt Holding Capacity
- Extended Element Life
- Lower Clean Pressure Drop
- Media Supported Upstream and Downstream
- Reduced Maintenance Cost/Man-hours
- Wide Range of Fluid Compatibility
- Improved Productivity and Profits

Technical Data

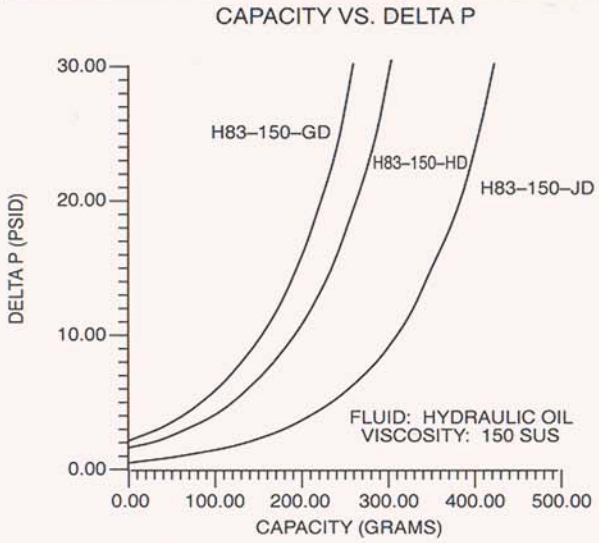

Figure 1. Capacity vs ΔP (6 x 18)

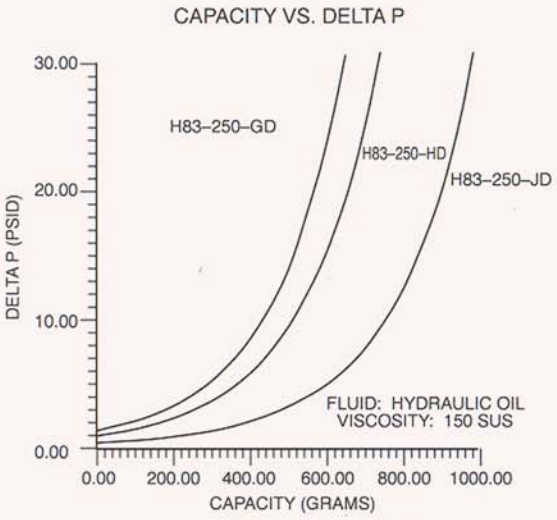

Figure 2. Capacity vs ΔP (6 x 36)

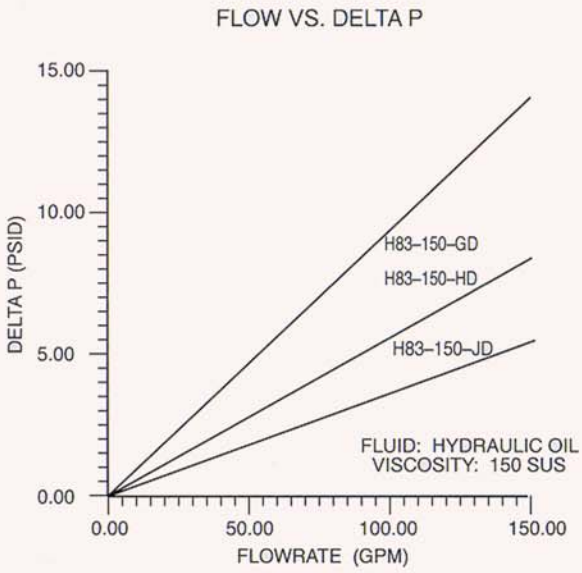

Figure 3. Flow vs ΔP (6 x 18)

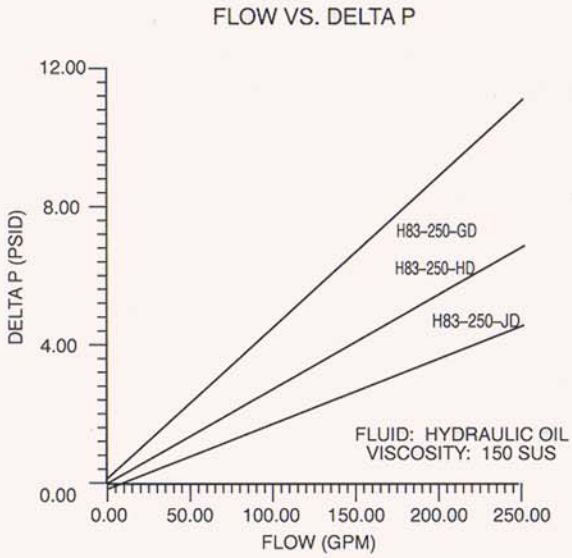

Figure 4. Flow vs ΔP (6 x 36)

NOTE:

Pressure drop curves for clean elements are based on 0.9 S.G and 150 SUS hydraulic fluid. Since ΔP and viscosity are proportional, the correction factor when higher viscosity fluids are used is:

$$\text{Pressure Drop per Curves for Element} \times \frac{\text{Actual Fluid}}{150} = \text{Clean Pressure Drop}$$

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