



HPRP83 Series

Interchanges for PTI coreless filter
RP83-150-#, RP83-250-# series

Hy-Pro G6 Dualglass High Performance Filter Elements

Performance

Temperature: -45f to 225f, -43c to 107c (buna)
-20f to 250f, -29c to 120c (viton)
Element collapse 150 psid (10 bar)

Media

G6 media pleat pack features our latest generation of graded density glass media that delivers required cleanliness while optimizing dirt capacity.

Dynamic Filter Efficiency

DFE rated elements perform true to rating even under demanding variable flow and vibration conditions. Today's industrial and mobile hydraulic circuits require elements that deliver specified cleanliness under all circumstances. Wire mesh supports the media to ensure against cyclical flow fatigue, temperature, and chemical resistance failures possible in filters with synthetic support mesh.

Tested to ISO quality standards

ISO 2941	Collapse and burst resistance
ISO 2942	Fabrication and Integrity test
ISO 2943	Material compatibility with fluids
ISO 3724	Flow fatigue characteristics
ISO 3968	Pressure drop vs. flow rate
ISO 16889	Multi-pass performance testing

Interchange PTI

RP83-150-GF-B
RP83-150-GF-V
RP83-150-HF-B
RP83-150-HF-V
RP83-150-JF-B
RP83-150-JF-V
RP83-150-KF-B
RP83-150-KF-V

RP83-250-GF-B
RP83-250-GF-V
RP83-250-HF-B
RP83-250-HF-V
RP83-250-JF-B
RP83-250-JF-V
RP83-250-KF-B
RP83-250-KF-V

Hy-Pro

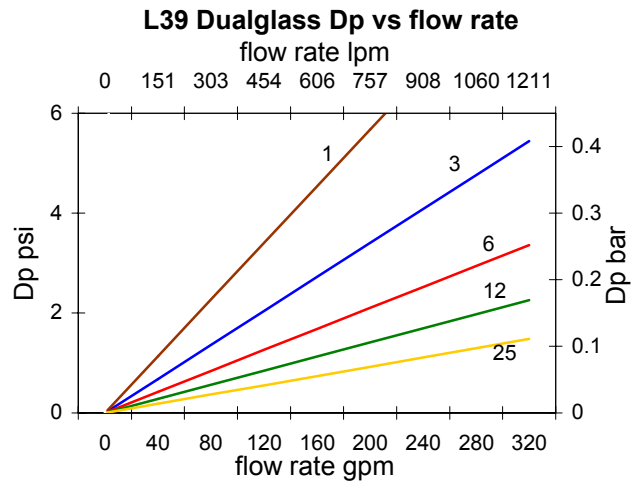
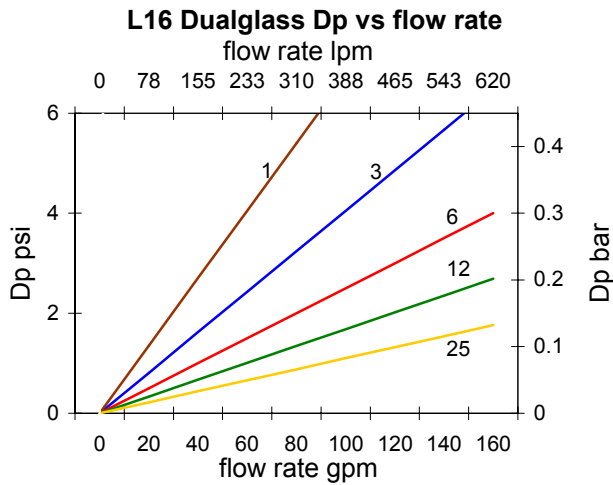
HPRP83L16-3MB
HPRP83L16-3MV
HPRP83L16-6MB
HPRP83L16-6MV
HPRP83L16-25MB
HPRP83L16-25MV
HPRP83L16-12MB
HPRP83L16-12MV

HPRP83L39-3MB
HPRP83L39-3MV
HPRP83L39-6MB
HPRP83L39-6MV
HPRP83L39-25MB
HPRP83L39-25MV
HPRP83L39-12MB
HPRP83L39-12MV

Dualglass, Wire mesh, Water removal and Dynafuzz media types are available. Call or consult the Hy-Pro on line interchange guide at www.filterelement.com

Fluid Compatibility

Petroleum based fluids, water glycols, polyol esters, phosphate esters, HWBF



Pressure Drop Calculation

Pressure drop curves based on oil viscosity of 150 SSU, and specific gravity = 0.9. Dp across element is proportionally related to viscosity and specific gravity. For new DP use the following conversion formula:

$$\text{DP element} = \text{DP curve} \times \text{Actual Viscosity}/150 \times \text{Actual SG}/0.86$$

Pressure drop curves based on oil viscosity of 150 SUS, and specific gravity = 0.86. Dp across element is proportionally related to viscosity and specific gravity. For new DP use the following conversion formula: DP element = DP curve x Vis/150 x SG/0.86

table 1 table 2 table 3 table 4

HPRP83L _____ - _____

table 1	
code	length
16	double
39	triple

table 2	
code	filtration rating
1	B2.5[c] = 1000 (B1 = 200)
3	B5[c] = 1000 (B3 = 200)
6	B7[c] = 1000 (B6 = 200)
12	B12[c] = 1000 (B12 = 200)
17	B15[c] = 1000 (B17 = 200)
25	B22[c] = 1000 (B25 = 200) or 25u nominal wire mesh
40	40u nominal wire mesh
74	74u nominal wire mesh
149	149u nominal wire mesh

table 3	
code	Media
A	G6 Dualglass w/water removal
M	G6 Dualglass
SF	Dynafuzz
W	wire mesh

table 4	
code	seal
B	Nitrile (buna)
V	Fluorocarbon
E	EPR

Hy-Pro filters are tested to the latest industry standard ISO16889 (replacing ISO4572) resulting in A new scale for defining particle sizes and determining filtration ratio (formerly known as beta ratio)

New (ISO16889) vs Old (ISO4572) size comparison

Bx(c)=1000 (ISO16889)	2.5	5	7	12	22
Bx=200 (ISO4572)	<1	3	6	12	25

