



HP8314 Series

Interchanges *Pall HC8314 coreless

Hy-Pro G6 Dualglass High Performance Filter Elements

Performance

Temperature: -45f to 225f, -43c to 107c(buna)
 -20f to 250f, -29c to 120c(viton)
 Max flow rate 300 gpm (1089 lpm)
 Element collapse 150 psid (20 bar)

Interchange

Pall	Hy-Pro
HC8314FKN13H	HP8314L13-6MB
HC8314FKN16H	HP8314L16-6MB
HC8314FKN26H	HP8314L26-6MB
HC8314FKN39H	HP8314L39-6MB
HC8314FKP13H	HP8314L13-3MB
HC8314FKP16H	HP8314L16-3MB
HC8314FKP26H	HP8314L26-3MB
HC8314FKP39H	HP8314L39-3MB
HC8314FKS13H	HP8314L13-12MB
HC8314FKS16H	HP8314L16-12MB
HC8314FKS26H	HP8314L26-12MB
HC8314FKS39H	HP8314L39-12MB
HC8314FKT13H	HP8314L13-25MB
HC8314FKT16H	HP8314L16-25MB
HC8314FKT26H	HP8314L26-25MB
HC8314FKT39H	HP8314L39-25MB
HC8314FKZ13H	HP8314L13-1MB
HC8314FKZ16H	HP8314L16-1MB
HC8314FKZ26H	HP8314L26-1MB
HC8314FKZ39H	HP8314L39-1MB

For viton seals where Pall p/n ends with Z

*Pall is a registered trademark of the Pall Corporation

Fluid Compatibility

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

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

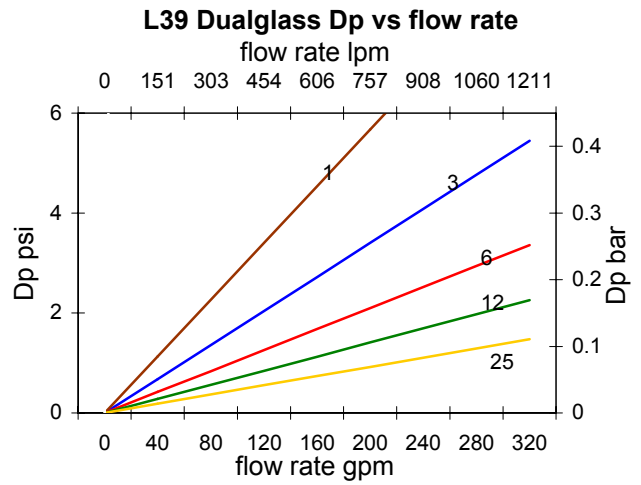
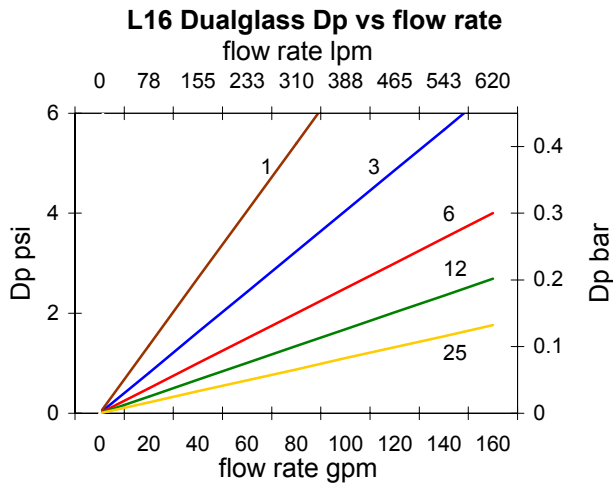
DFE rated elements perform true to rating even under demanding variable flow and vibration conditions. Today's industrial and mobile hydraulic circuits require elements that deliver specified cleanliness under all circumstances. Wire mesh supports the media to ensure against cyclical flow fatigue, temperature,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

Disposable

Easy to incinerate design includes synthetic endcaps.

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



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:

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

table 1 table 2 table 3 table 4

HP8314L - - - -

code	length
13	single
16	double
26	24 inch
39	triple

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

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

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 a 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

