



HP900 / 901 / 904

Interchanges *Pall HC9100, HC9101, HC9104 element 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)
 Max flow rate 70 gpm (110 lpm)
 Element collapse HP900 = 290 psid (20 bar)
 HP901 = 3000 psid (214 bar)
 HP904 = 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

Fluid Compatibility

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

Interchange

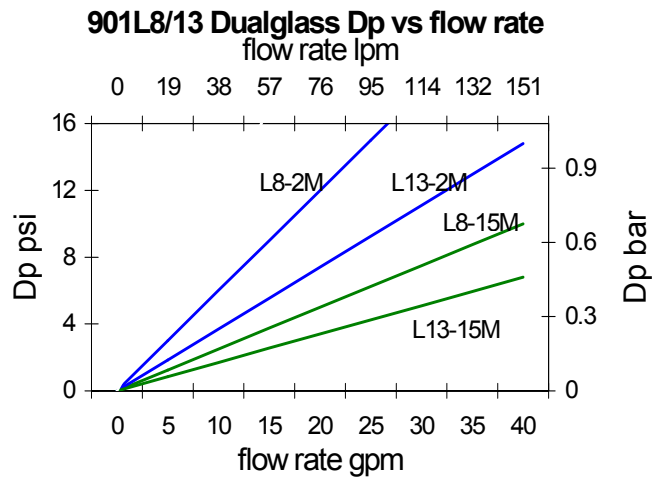
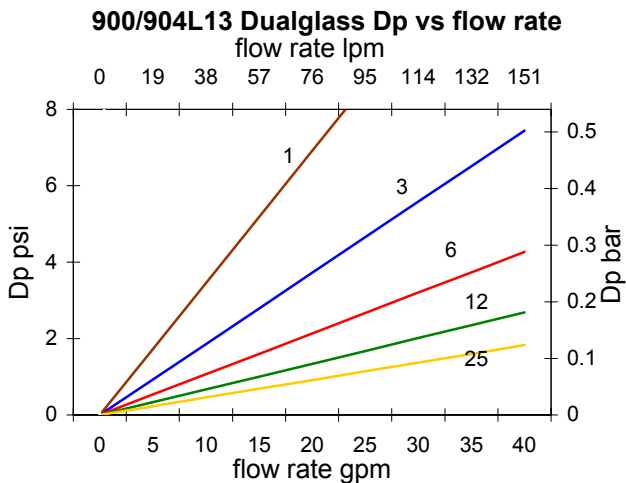
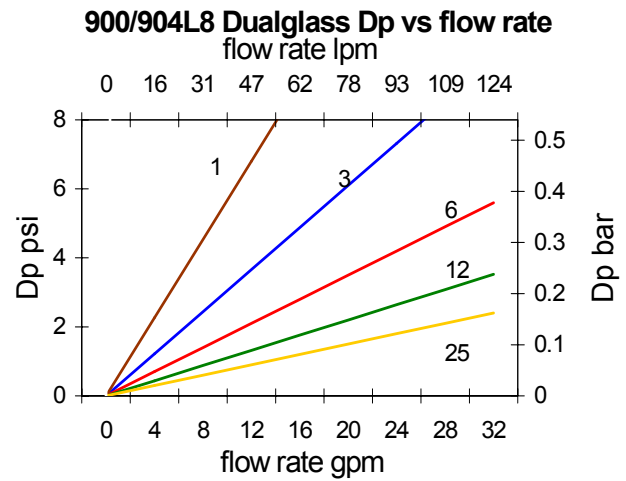
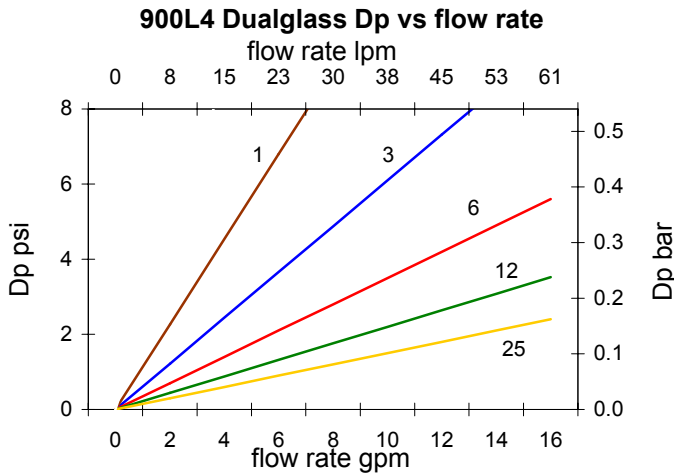
Pall	Hy-Pro
HC9100FKN13H	HP900L13-6MB
HC9100FKN4H	HP900L4-6MB
HC9100FKN8H	HP900L8-6MB
HC9100FKP13H	HP900L13-3MB
HC9100FKP4H	HP900L4-3MB
HC9100FKP8H	HP900L8-3MB
HC9100FKS13H	HP900L13-12MB
HC9100FKS4H	HP900L4-12MB
HC9100FKS8H	HP900L8-12MB
HC9100FKT13H	HP900L13-25MB
HC9100FKT4H	HP900L4-25MB
HC9100FKT8H	HP900L8-25MB
HC9100FKZ13H	HP900L13-1MB
HC9100FKZ4H	HP900L4-1MB
HC9100FKZ8H	HP900L8-1MB

*for Pall HC9104 series replace HP900 with HP904 for coreless element option.

HC9101FDP13H	HP901L13-2MB
HC9101FDP4H	HP901L4-2MB
HC9101FDP8H	HP901L8-2MB
HC9101FDT13H	HP901L13-15MB
HC9101FDT4H	HP901L4-15MB
HC9101FDT8H	HP901L8-15MB

For viton seals where Pall p/n ends with Z replace B in Hy-Pro p/n with V.

*Pall is a registered trademark of the Pall Corporation



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:

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

table 1

table 2

table 3

table 4

table 5

HP90 _ L _ - _ _ _

code	collapse
0	450 psid
1	3000 psid
4	150 psid coreless

code	length
4	single
8	double
13	triple

code	filtration rating
1	B2.5[c] = 1000 (B1 = 200)
2*	B5[c] = 1000 (B3 = 200)
3	B5[c] = 1000 (B3 = 200)
6	B7[c] = 1000 (B6 = 200)
12	B12[c] = 1000 (B12 = 200)
15*	B15[c] = 1000 (B17 = 200)
17	B15[c] = 1000 (B17 = 200)
25	B22[c] = 1000 (B25 = 200)
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

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

code	seal
B	Nitrile
V	Fluoro
E	EPR