



# HP85 Series

Interchanges for Pall Pressure filter  
HC8500 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 250 psid (17 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

HC8500F#N8H  
HC8500F#P8H  
HC8500F#S8H  
HC8500F#T8H  
HC8500F#Z8H

#### Hy-Pro

HP85L8-6MB  
HP85L8-3MB  
HP85L8-12MB  
HP85L8-25MB  
HP85L8-1MB

HC8500F#N13H  
HC8500F#P13H  
HC8500F#S13H  
HC8500F#T13H  
HC8500F#Z13H

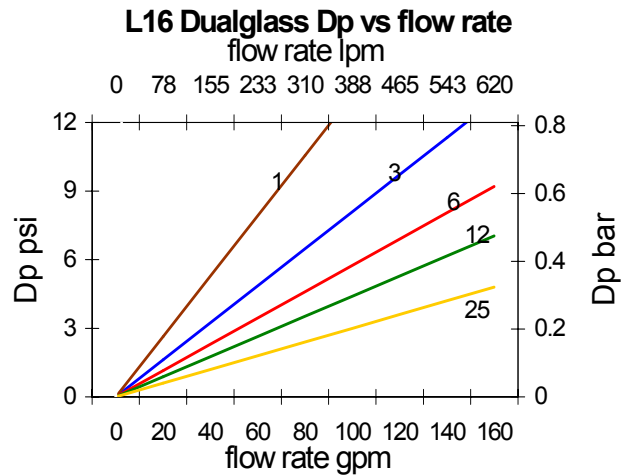
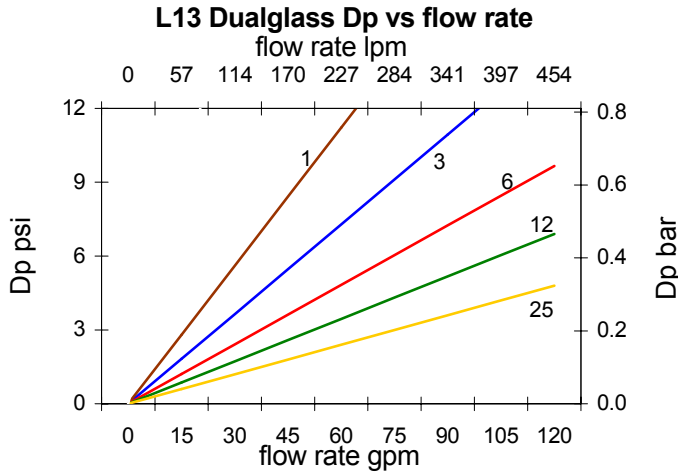
HP85L13-6MB  
HP85L13-3MB  
HP85L13-12MB  
HP85L13-25MB  
HP85L13-1MB

HC8500F#N26H  
HC8500F#P26H  
HC8500F#S26H  
HC8500F#T26H  
HC8500F#Z26H

HP85L26-6MB  
HP85L26-3MB  
HP85L26-12MB  
HP85L26-25MB  
HP85L26-1MB

\*For Fluorocarbon seals where Pall number ends with "Z" change "B" in Hy-Pro number to "V".

Media types available include 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](http://www.filterelement.com)



## 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:

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

table 1      table 2      table 3      table 4

# HP85L - - - -

table 1	
code	length
8	single
13	double
26	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 nominal wire mesh
74	74u nominal wire mesh
149	149u nominal wire mesh
250	250u 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 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

