



# HP81 Series

interchanges Pall HC9801 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 HP81 = 3000 psid (210 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

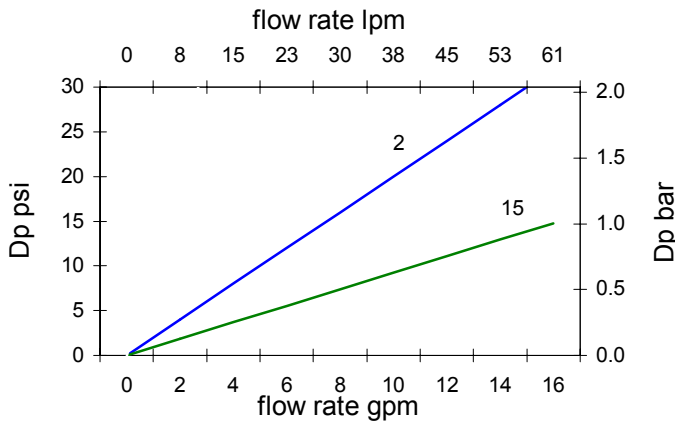
### Interchange

Pall	Hy-Pro
HC9801FDP13H	HP81L13-2MB
HC9801FDP13Z	HP81L13-2MV
HC9801FDP4H	HP81L4-2MB
HC9801FDP4Z	HP81L4-2MV
HC9801FDP8H	HP81L8-2MB
HC9801FDP8Z	HP81L8-2MV
HC9801FDT13H	HP81L13-15MB
HC9801FDT13Z	HP81L13-15MV
HC9801FDT4H	HP81L4-15MB
HC9801FDT4Z	HP81L4-15MV
HC9801FDT8H	HP81L8-15MB
HC9801FDT8Z	HP81L8-15MV

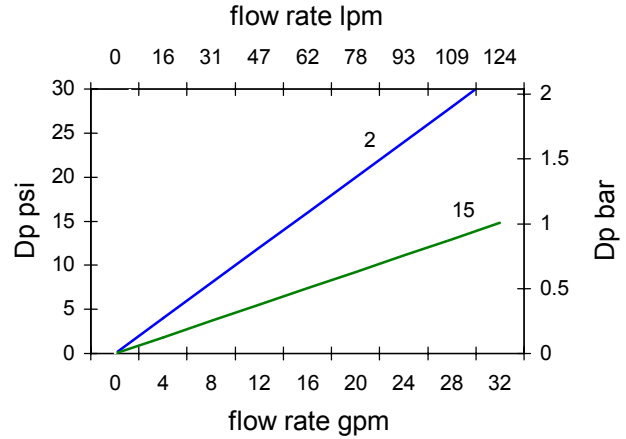
### Fluid Compatibility

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

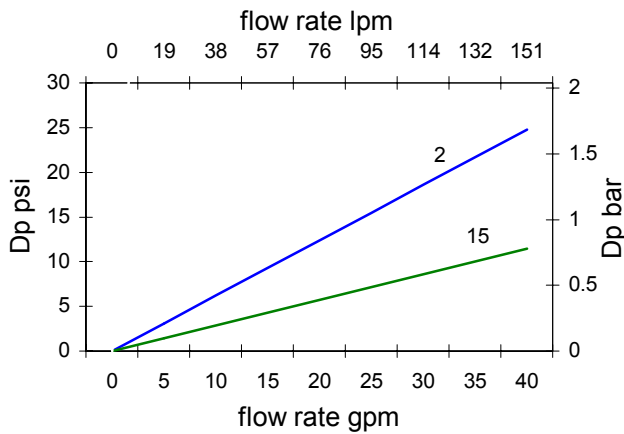
**L4 Dualglass Dp vs flow rate**



**L8 Dualglass Dp vs flow rate**



**L13 Dualglass Dp vs flow rate**



**Pressure Drop Calculation**

Pressure drop curves based on oil viscosity of 150 SSU, 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

**HP81L**         -               

code	length
4	4 inch
8	8 inch
13	13 inch

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

code	media type
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

