



# HP450/455 Series

interchanges Parker Moduflow filter elements for IL2/RF2/CF2 housings

## 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 (10.6 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.

### O-ring seal

The Hy-Pro design utilizes a captured o-ring for a more positive o-ring seal

### One piece design

The Hy-Pro double length element is a single, continuous element. There is no connecting adapter to stack two single length elements to make a double. The Hy-Pro design minimizes leak points and maximizes effective media surface area.

**Hy-Pro HP450 elements interchange Parker elements used in the CF2 low pressure housings.**

**Hy-Pro HP455 elements interchange Parker elements used in the RF2, IL2, DIL2 low pressure housings.**

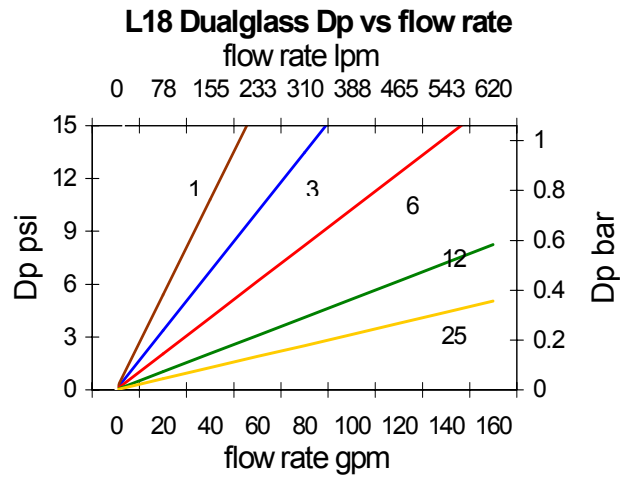
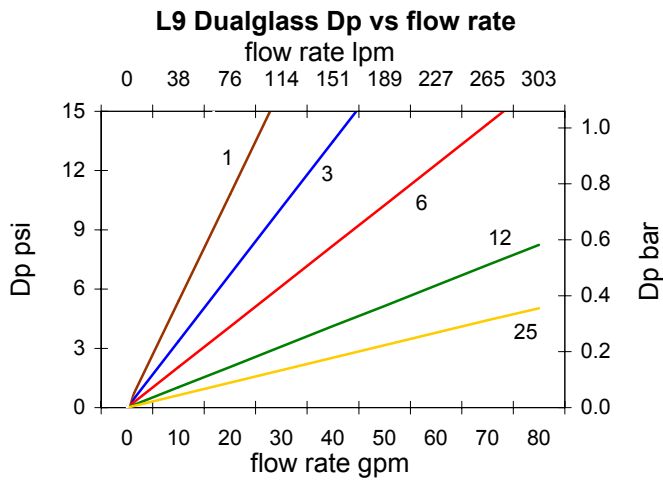
Available media selections include G6 Dualglass, Stainless steel wire mesh, Water removal media, and Dynafuzz (stainless steel fiber media). See ordering information on reverse side for part numbers/codes.

### 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



### Pressure Drop Calculation

Pressure drop curves based on oil viscosity of 141 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 Actual Viscosity/141 x Actual SG/0.86**

table 1      table 2      table 3      table 4      table 5

# HP45 \_ \_ L \_ \_ - \_ \_ \_ \_ \_

code	Cap design
0	double open
5	single open

code	length
9	single
18	double

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)
25	B22[c] = 1000 (B25 = 200)
40	B40 = 200 or 40u nominal wire mesh (media selection)
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
V	Fluoro
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

