



# HP190/191 Series

Interchanges element for Parker  
18P High Pressure Filters

## Hy-Pro G6 Dualglass High Performance Filter Elements

### Performance

Temperature: -45f to 225f, -43c to 107c (buna)  
-20f to 250f, -29c to 170c (viton)  
Element collapse 190 = 300 psid (20 bar)  
191 = 2000 psid (141 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

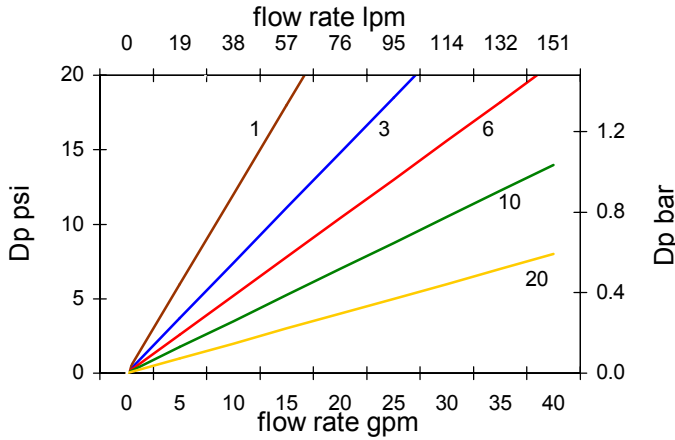
Parker	Hy-Pro	Parker	Hy-Pro
G04242	HP190L5-3MB	G0426	HP190L5-3MV
G04243	HP190L5-6MB	G0427	HP190L5-6MV
G04244	HP190L5-10MB	G0248	HP190L5-10MV
G04245	HP190L5-20MB	G0249	HP190L5-20MV
G04250	HP190L9-3MB	G04254	HP190L9-3MV
G04251	HP190L9-6MB	G04255	HP190L9-6MV
G04252	HP190L9-10MB	G04256	HP190L9-10MV
G04253	HP190L9-20MB	G04257	HP190L9-20MV
G04290	HP191L5-3MB	G04294	HP191L5-3MV
G04291	HP191L5-6MB	G04295	HP191L5-6MV
G04292	HP191L5-10MB	G04296	HP191L5-10MV
G04293	HP191L5-20MB	G04297	HP191L5-20MV
G04298	HP191L9-3MB	G04302	HP191L9-3MV
G04299	HP191L9-6MB	G04303	HP191L9-6MV
G04300	HP191L9-10MB	G04304	HP191L9-10MV
G04301	HP191L9-20MB	G04305	HP191L9-20MV

Also available in stainless steel mesh media and Dynafuzz. Call or consult the Hy-Pro on line interchange guide at [www.filterelement.com](http://www.filterelement.com)

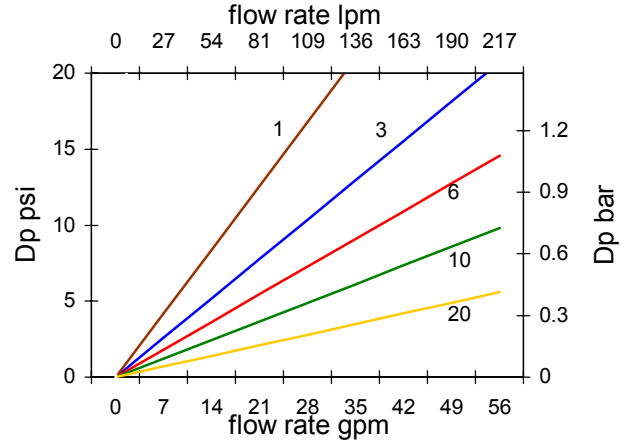
### Fluid Compatibility

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

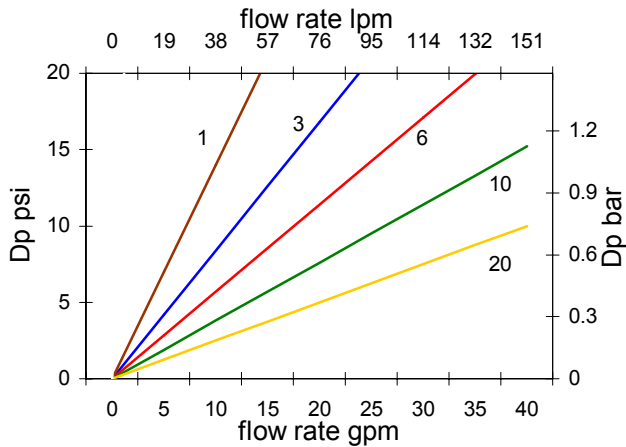
**HP190L5 Dualglass Dp vs flow rate**



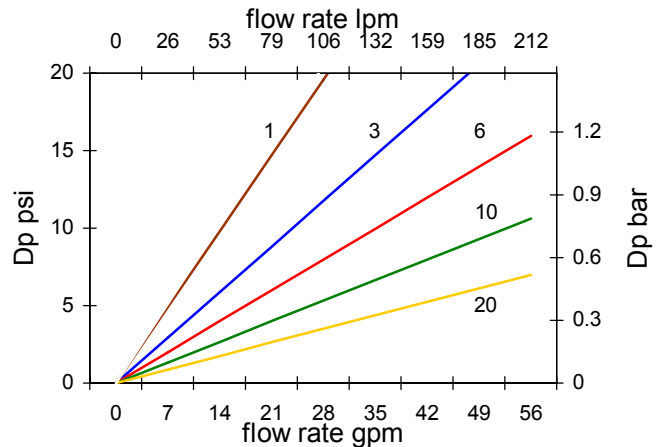
**HP190L9 Dualglass Dp vs flow rate**



**HP191L5 Dualglass Dp vs flow rate**



**HP191L9 Dualglass Dp vs flow rate**



**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      table 6

# HP19 \_ L \_ - \_ \_ \_ \_

table 1	code	collapse
	0	300 psid
	1	2000 psid

table 2	code	length
	5	5 inch
	9	9 inch

table 3	code	filtration rating
	1	B2.5[c] = 1000 (B1 = 200)
	3	B5[c] = 1000 (B3 = 200)
	6	B7[c] = 1000 (B6 = 200)
	10	B12[c] = 1000 (B12 = 200)
	17	B15[c] = 1000 (B17 = 200)
	20	B22[c] = 1000 (B25 = 200)
	25	25u nominal wire mesh
	40	40u nominal wire mesh
	74	74u nominal wire mesh
	149	149u nominal wire mesh
	250	250u nominal wire mesh

table 4	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 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

table 5	code	seal
	B	Nitrile
	V	Fluoro
	E	EPR

