



# HP300/301 Series

PTI PG-030-#H and PG-030-#U,  
Mahle PI-##11 pressure filters

## 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 HP300 = 450 psid (30 bar)  
HP301 = 3000 psid (210 bar)

**Interchanges by series only:  
(See interchange guide for exact cross  
Reference and complete part numbers)**

### 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

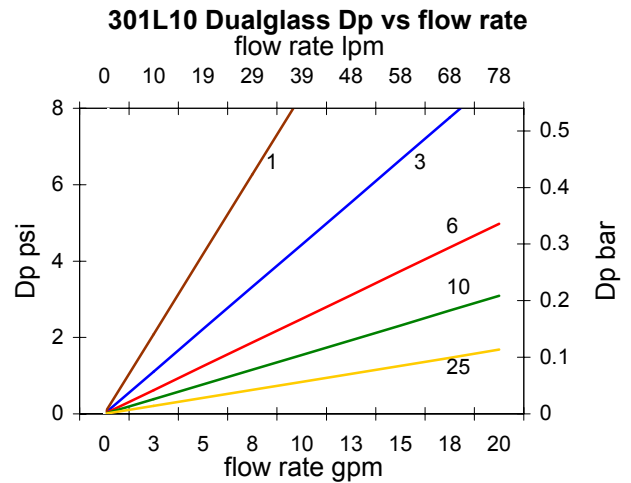
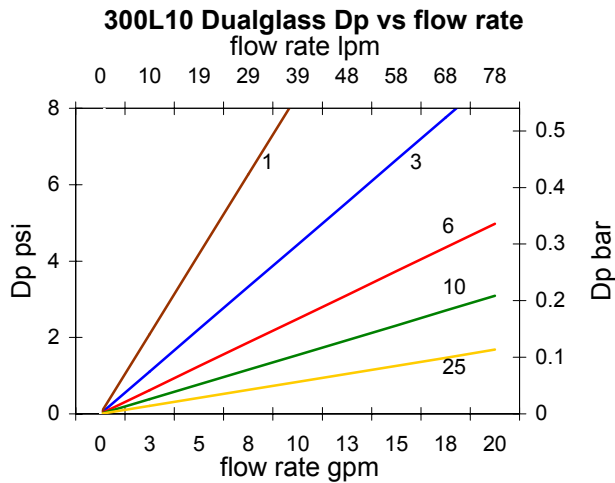
PTI	HY-PRO
PG-030-#H	HP300L10-##
PG-030-#U	HP301L10-##

MAHLE	HY-PRO
PI1011	HP300L10-##
PI1111	HP301L10-##
PI2111	HP300L10-##
PI2211	HP301L10-##
PI3111	HP300L10-##
PI3211	HP301L10-##
PI4111	HP300L10-##
PI4211	HP300L10-##
PI8211	HP300L10-##
PI8311	HP300L10-##
PI8411	HP300L10-##
PI8511	HP300L10-##
PI9111	HP300L10-##

Water removal and Dynafuzz media also available. 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



### 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

# HP30 \_\_ L10 - \_\_ \_\_

table 1	
code	collapse
0	450 psid
1	3000 psid

table 2	
code	filtration rating
1	B2.5[c] = 1000 (B1 = 200)
3	B5[c] = 1000 (B3 = 200)
6	B7[c] = 1000 (B6 = 200)
10	B10[c] = 1000 (B10 = 200)
25	B22[c] = 1000 (B25 = 200) or 25u nominal mesh
40	40u nominal mesh
50	50u nominal mesh
74	74u nominal mesh
100	100u nominal mesh
149	149u nominal mesh

table 3	
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

