



HP150/151 Series

PTI PG-015-#H and PG-015-#U,
Mahle PI-##05 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 HP150 = 450 psid (30 bar)
HP151 = 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	Multipass performance testing

PTI	HY-PRO
PG-015-#H	HP150L4-##
PG-015-#U	HP151L4-##

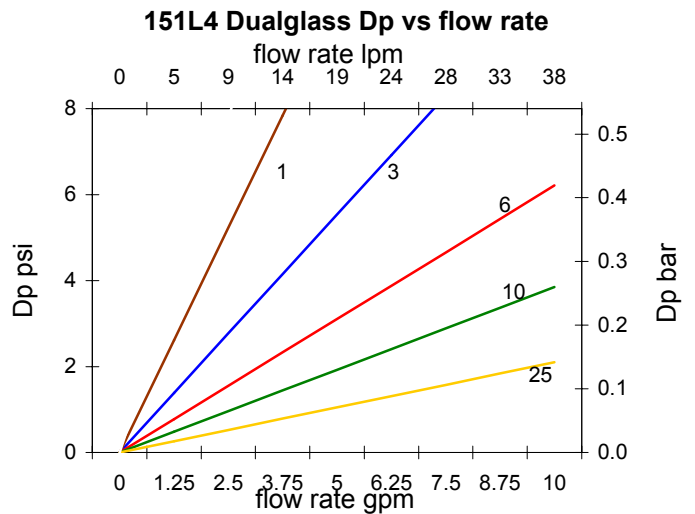
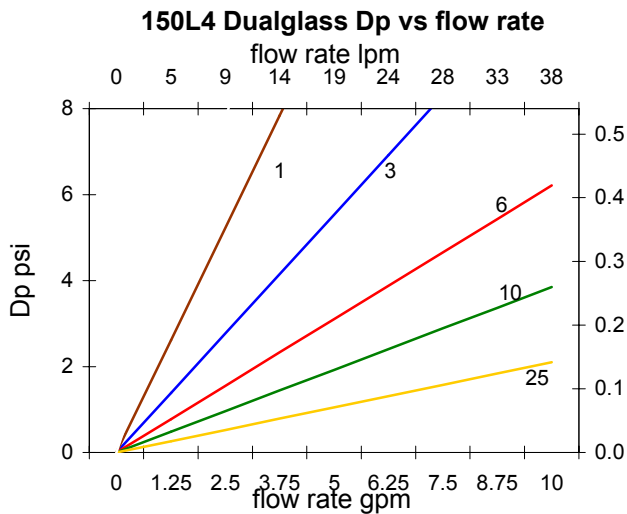
MAHLE	HY-PRO
PI1005	HP150L4-##
PI1105	HP151L4-##
PI2105	HP150L4-##
PI2205	HP151L4-##
PI3105	HP150L4-##
PI3205	HP151L4-##
PI4105	HP150L4-##
PI4205	HP150L4-##
PI8205	HP150L4-##
PI8305	HP150L4-##
PI8405	HP150L4-##
PI8505	HP150L4-##
PI9105	HP150L4-##

Water removal and Dynafuzz media also available. Call or consult the Hy-Pro on line interchange guide at 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

HP15 __ L4 - __ __

code	collapse
0	450 psid
1	3000 psid

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

code	Media
A	G6 Dualglass w/water removal
M	G6 Dualglass
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

