



# HP13H/13N Series

interchanges MP Filtri HP1351, 1352

## 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 HP13N = 450 psid (30 bar)  
HP13H = 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

### Fluid Compatibility

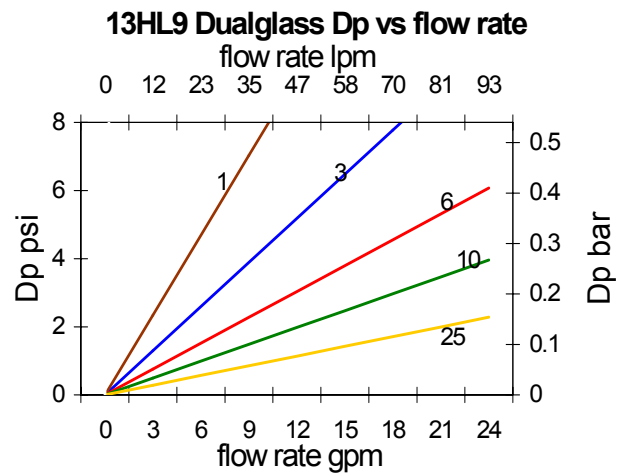
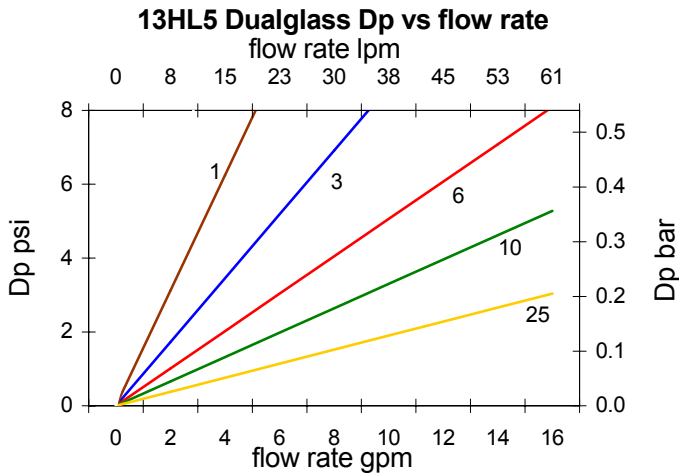
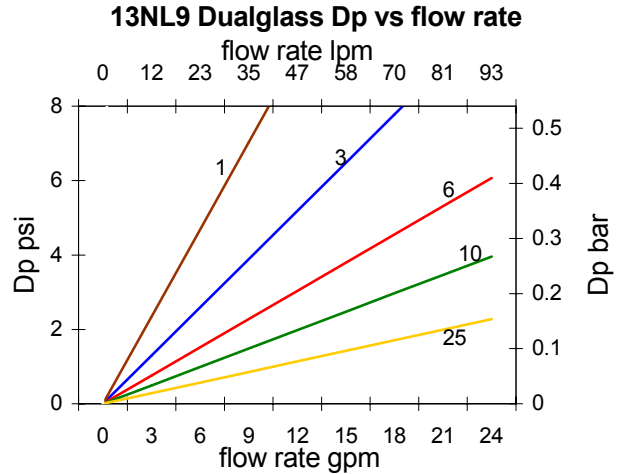
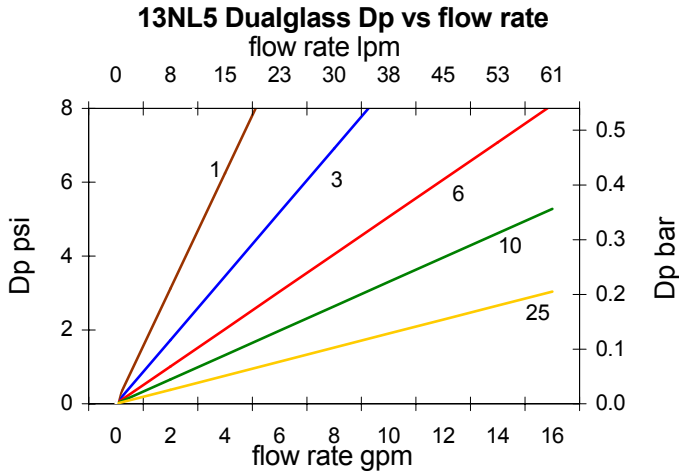
Petroleum based fluids, water glycols, polyol esters, phosphate esters, HWBF

### Interchange

HP1351A03AH	HP13HL5-3MB
HP1351A03AN	HP13NL5-3MB
HP1531A06AH	HP13HL5-6MB
HP1351A06AN	HP13NL5-6MB
HP1351A10AH	HP13HL5-10MB
HP1351A10AN	HP13NL5-10MB
HP1531A25AH	HP13HL5-25MB
HP1351A25AN	HP13NL5-25MB
HP1351M10AN	HP13NL5-25WB
HP1351M25AN	HP13NL5-25WB
HP1351M60AN	HP13NL5-60WB
HP1352A03AH	HP13HL9-3MB
HP1352A03AN	HP13NL9-3MB
HP1352A06AH	HP13HL9-6MB
HP1352A06AN	HP13NL9-6MB
HP1352A10AH	HP13HL9-10MB
HP1352A10AN	HP13NL9-10MB
HP1352A25AH	HP13HL9-25MB
HP1352A25AN	HP13NL9-25MB
HP1352M10AN	HP13NL9-25WB
HP1352M25AN	HP13NL9-25WB
HP1352M60AN	HP13NL9-60WB

\*For Viton seals (where A in MP p/n is V) replace the B in Hy-Pro p/n with a V.

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)



### 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

# HP13 \_ \_ L \_ \_ - \_ \_ \_ \_ \_

code	collapse
N	450 psid
H	3000 psid

code	length
5	single
9	double

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)
10W	10u nominal wire mesh
25	B22[c] = 1000 (B25 = 200) or nominal wire mesh
40	40u nominal wire mesh
60	74u nominal wire mesh
149	149u nominal wire mesh
250	250u nominal wire mesh

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

