



# HP52H/N/R series

Interchanges element by Internormen 01.E250, 01.E400 series

## 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 HP52N = 450 psid (31 bar)  
 HP52H = 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

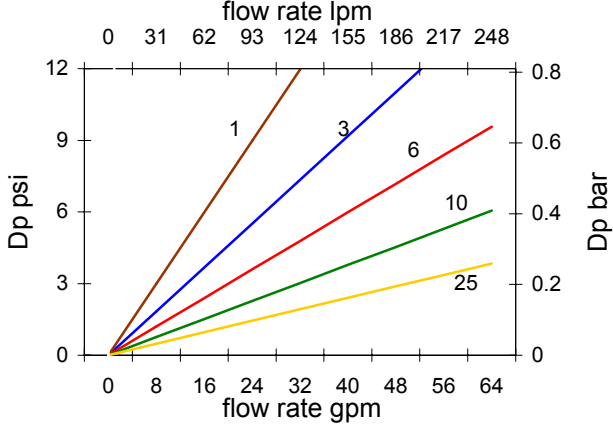
### Interchanges by series only: (See interchange guide for exact cross Reference and complete part numbers)

Internormen	Hy-Pro
01.E250.###.30.#.#	HP52NL10-### series
01.E250.###.HR.#.#	HP52HL10-### series
01.NL250.###.16.#.#	HP52NL10-### series
01.NL250.###.30.#.#	HP52NL10-### series
01.NL250.###.30.S.#	HP52RNL10-### series
01.NL250.###.HR.#.#	HP52HL10-### series
01.E400.###.30.#.#	HP52NL16-### series
01.E400.###.HR.#.#	HP52HL16-### series
01.NL400.###.16.#.#	HP52NL16-### series
01.NL400.###.30.#.#	HP52NL16-### series
01.NL400.###.30.S.#	HP52RNL16-### series
01.NL400.###.HR.#.#	HP52HL16-### series

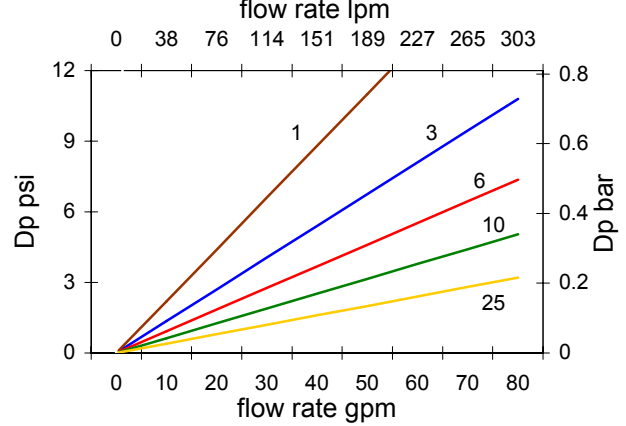
Available media selections include G6 Dualglass, Stainless steel mesh media, Dynafuzz (stainless fiber media), Water removal media. Call or consult the Hy-Pro on line interchange guide at [www.filterelement.com](http://www.filterelement.com).

Seal options include Nitrile (buna), Fluorocarbon (viton), and EPR. See order guide on reverse side for part numbers.

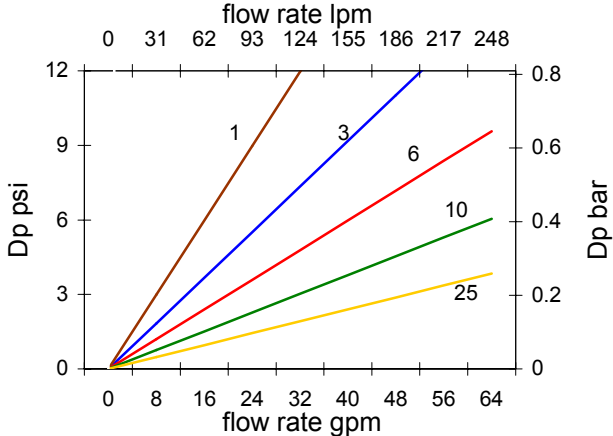
**52N/RNL10 Dualglass Dp vs flow rate**



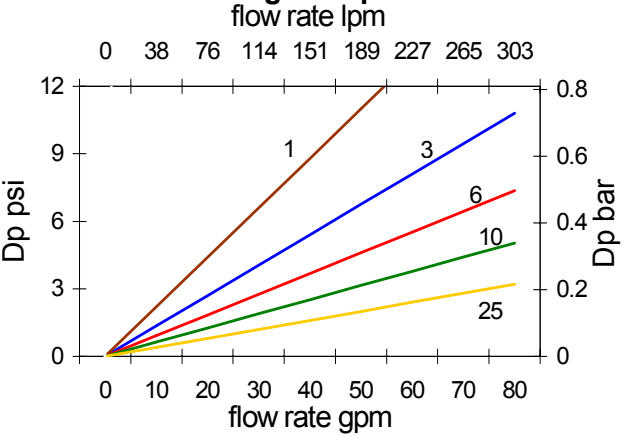
**52N/RNL16 Dualglass Dp vs flow rate**



**52HL10 Dualglass Dp vs flow rate**



**52HL16 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

# HP52 \_ \_ L \_ \_ - \_ \_ \_ \_ \_

code	collapse
H	300 psid
N	450 psid
RN	150 psid (25 psid bypass)

code	length
10	single
16	double

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) or 10u nominal wire mesh
16	B19[C] = 1000 (B17 = 200)
25	B22[c] = 1000 (B25 = 200) or 25u nominal wire mesh
40	40u nominal wire mesh
74	74u nominal wire mesh
130	149u nominal wire mesh

code	Media
A	G6 Dualglass w/water removal
M	G6 Dualglass
SF	Dynafuzz
W	wire mesh

code	seal
B	Nitrile (buna)
V	Fluorocarbon
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 filtration ratio (formerly known as 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

