

HP10H/10N Series

interchanges Taisei Kogyo
16A 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 HP10N = 450 psid (30 bar)
HP10H = 3000 psid (210 bar)

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

P-G-UL-16A HP10NL10
P-G-UL-16A-##MH HP10HL10

P-F-UL-16A HP10NL10
P-F-UL-16A-##MH HP10HL10

P-UL-16A HP10NL10
P-UL-16A-##MH HP10HL10

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

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.

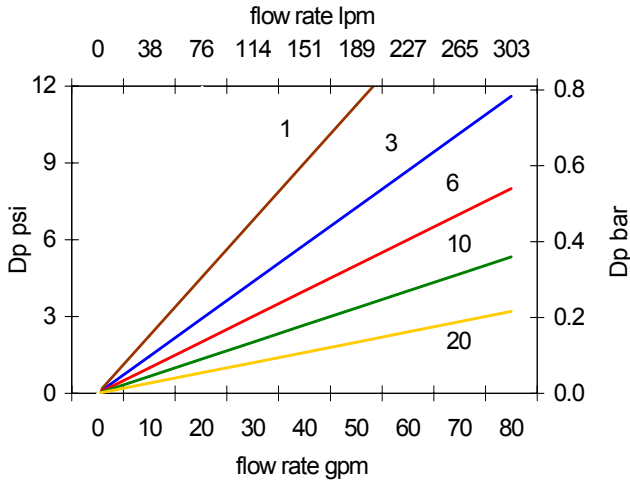
Tested to ISO quality standards

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

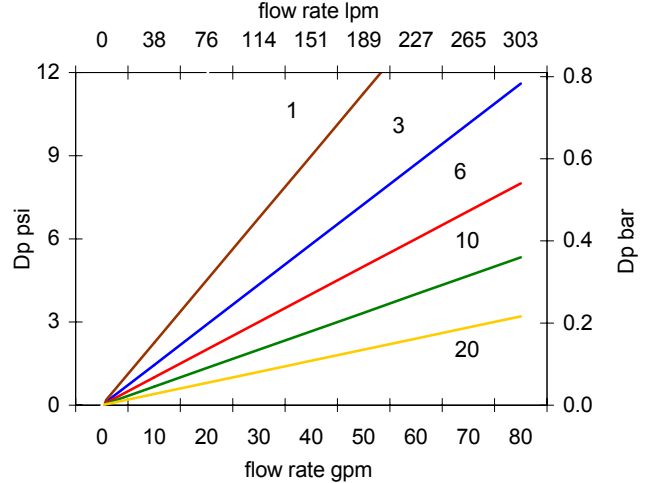
Fluid Compatibility

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

HP10NL10 G6 Dualglass Dp vs flow



HP10HL10 G6 Dualglass Dp vs flow



Pressure Drop Calculation

Pressure drop curves based on oil viscosity of 150 SSU, and specific gravity = 0.9. Dp across element is proportionally related to viscosity and specific gravity. For new DP use the following conversion formula:

$$DP \text{ element} = DP \text{ curve} \times \text{Viscosity}/150 \times SG/0.86$$

table 1

table 2

table 3

table 4

HP10 __ L10 - __ __ __

table 1	
code	collapse
N	450 psid
H	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	B12[c] = 1000 (B12 = 200)
20	B22[c] = 1000 (B25 = 200)
40	or 25u nominal wire mesh
50	40u nominal wire mesh
74	50u nominal wire mesh
149	74u nominal wire mesh
250	149u nominal wire mesh
	250u nominal wire mesh

table 5	
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 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 4	
code	seal
B	Nitrile (buna)
V	Fluorocarbon
E	EPR

