HP74/76/76V series

Spin-on interchange element

Hy-Pro G6 Dualglass

High Performance Filter Elements

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

Performance

Temperature: -45f to 225f, -43c to 107c (buna)
-20f to 250f, -29c to 120c (viton)

Element burst: HP74 = 150 psid (10 bar)
HP76 = 100 psid (7.1 bar)
HP76V = 150 psid (10 bar)

Interchange by series: (For complete part numbers and more cross references consult the interchange guide)

Pall	Hy-Pro
HC7400S##4H	HP74L4-#MB
HC7400S##4Z	HP74L4-#MV
HC7400S##8H	HP74L8-#MB
HC7400S##8Z	HP74L8-#MV

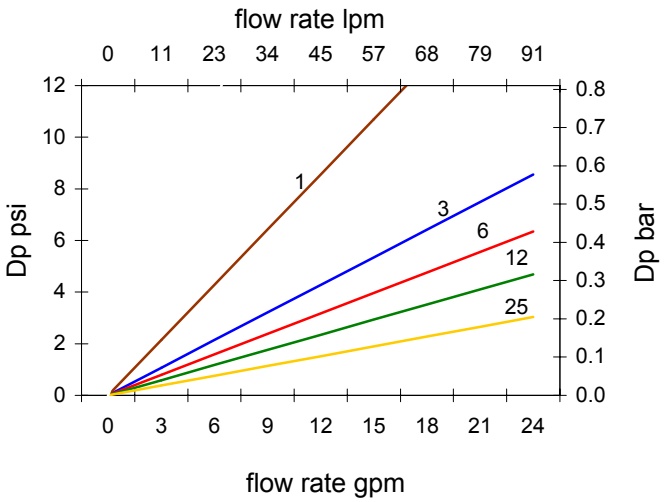
Parker	Hy-Pro
12-AT	HP76L4-##B

Vickers	Hy-Pro
573082	HP76VL4-10CB
573083	HP76VL4-25CB
V0191B1R03	HP76VL4-3MB
V0191B1R05	HP76VL4-6MB
V0191B1R10	HP76VL4-12MB
V0191B1R20	HP76VL4-25MB
V0191B2R03	HP76VL8-3MB
V0191B2R05	HP76VL8-6MB
V0191B2R10	HP76VL8-12MB
V0191B2R20	HP76VL8-25MB

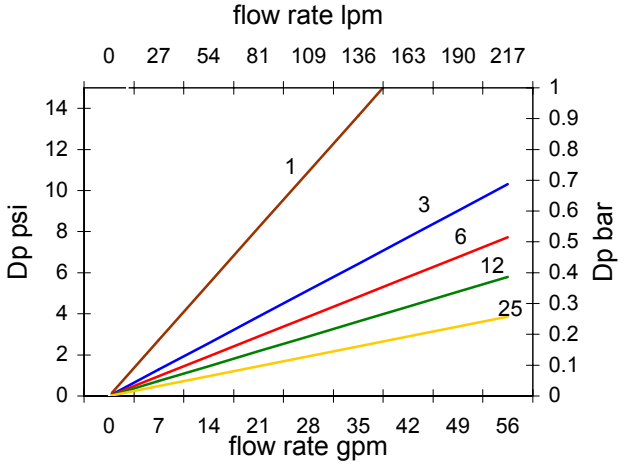
*For Viton seals replace the B in Hy-Pro p/n with V.

*For cellulose media replace M in Hy-Pro part number with C (HP76/HP76V series only).

L4 Dualglass Dp vs flow rate



L8 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 Vis/141 x SG/0.86

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table 1 table 2 table 3 table 4 table 5

HP7 __ L __ - __ __ __

table 1	
code	tap plate style
4	ID = 1 1/2" - 16UN
6	ID = 1" - 12UN
6V	ID = 1 1/8" - 16UN-2B

table 2	
code	length
4	single
8	double

table 3	
code	filtration rating
1	B2.5[c] = 1000 (B1 = 200)
3	B5[c] = 1000 (B3 = 200) or 3u nominal cellulose*
6	B7[c] = 1000 (B6 = 200)
12	B12[c] = 1000 (B12 = 200)
10	10u nominal cellulose*
25	B22[c] = 1000 (B25 = 200) or 25u nominal cellulose*

*HP76 & HP76V series only

table 4	
code	media type
A	G6 Dualglass + water removal
C	Cellulose*
M	G6 Dualglass

*HP76 series only

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

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

HY-PRO