



HP411 Series

Interchanges Vickers 0411 coreless

Hy-Pro G6 Dualglass High Performance Filter Elements

Performance

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

Max flow rate 300 gpm (1089 lpm)
Element collapse 150 psid (20 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.

Disposable

Easy to crush design includes no center support tube as part of the element.

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

Interchange by series:

(For complete part numbers check the interchange guide).

Vickers

V0411B5E01
V0411B5E03
V0411B5E05
V0411B5E10
V0411B5E20

V0411B8E01
V0411B8E03
V0411B8E05
V0411B8E10
V0411B8E20

Hy-Pro

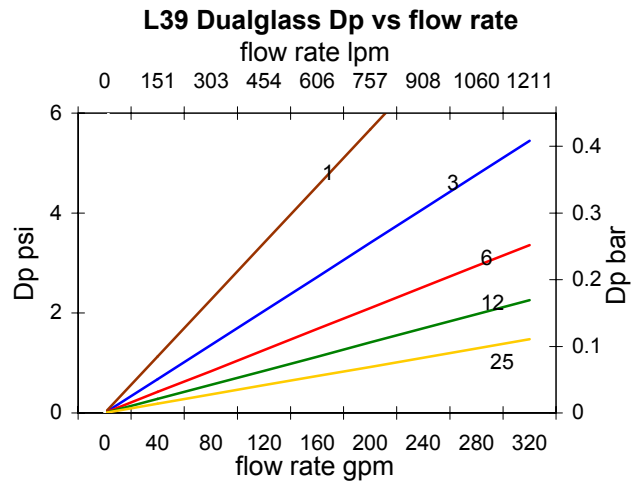
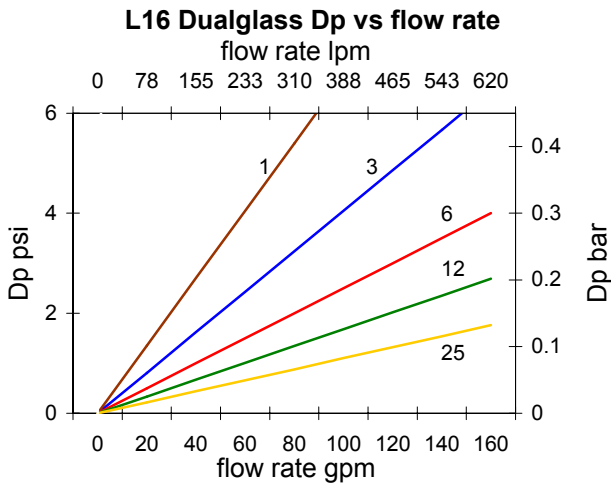
HP411L16-1MB
HP411L16-3MB
HP411L16-6MB
HP411L16-10MB
HP411L16-25MV

HP411L36-1MB
HP411L36-3MB
HP411L36-6MB
HP411L36-10MB
HP411L36-25MB

*For viton seals, where V appears after 0411, replace the B in Hy-Pro number with V.

Fluid Compatibility

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



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:

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

table 1 table 2 table 3 table 4

HP411L _____

table 1 code	length
8	single
16	double
39	triple

table 2 code	filtration rating
1	B2.5[c] = 1000 (B1 = 200)
3	B5[c] = 1000 (B3 = 200)
6	B7[c] = 1000 (B6 = 200)
12	B12[c] = 1000 (B12 = 200)
17	B15[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
149	149u nominal wire mesh

table 3 code	Media
A	G6 Dualglass w/water removal
M	G6 Dualglass
SF	Dynafuzz
W	wire mesh

table 4 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 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