



HPV/VSX series

Interchanges element for Schroeder #V, #VSX and #VZX 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 HPV = 250 psid (17 bar)
 HPVSX = 3000 psid (210 bar)
 HPVZX = 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

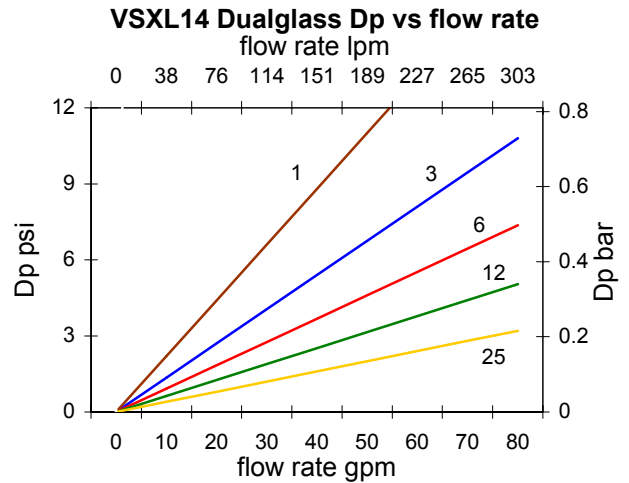
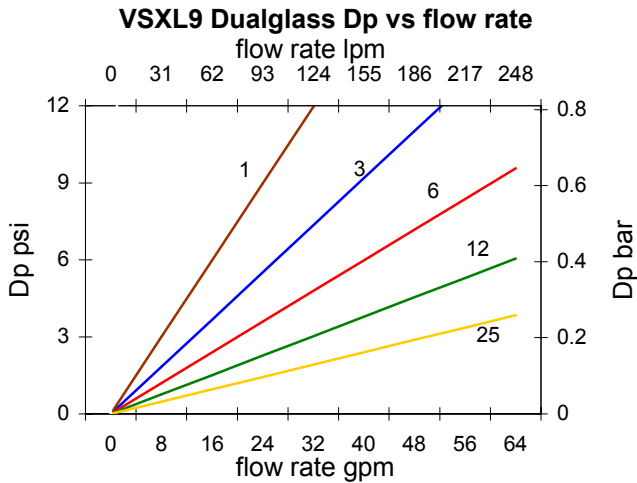
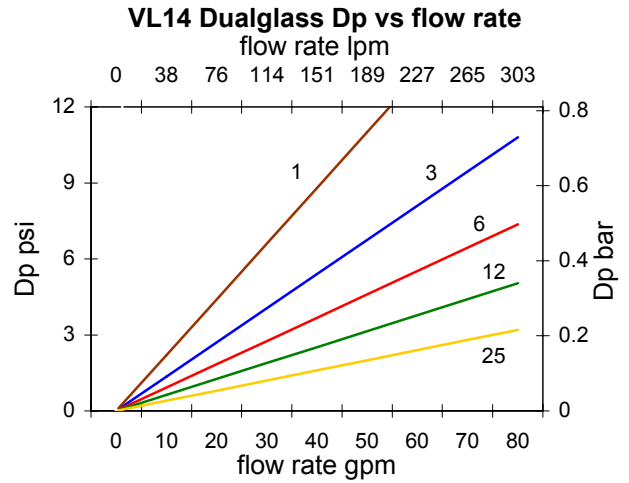
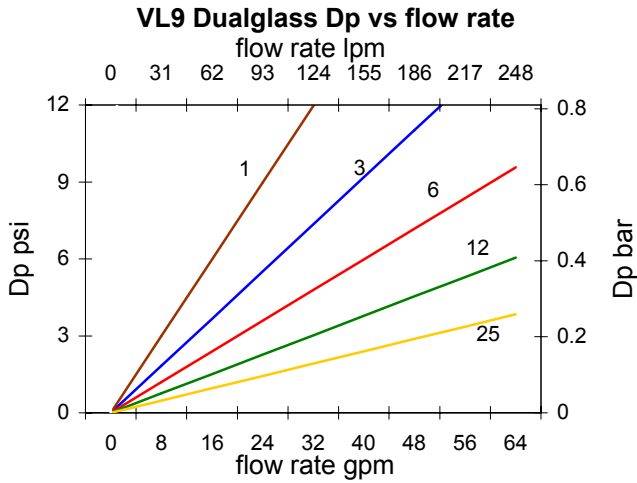
Petroleum based fluids, water glycols, polyol esters, phosphate esters, HWBF

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

Schroeder	Hy-Pro
9VS#	HPVL9-#MB
9VSX#	HPVSXL9-#MB
9VZ#	HPVL9-#MB
9VZX#	HPVSXL9-#MB
14VS#	HPVL14-#MB
14VSX#	HPVSXL14-#MB
14VZ#	HPVL14-#MB
14VZX#	HPVSXL14-#MB

Available media selections include G5 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.

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



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:

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

table 1

table 2

table 3

table 4

table 5

HPV _ L _ - _ _ _

table 1	
code	collapse
SX	3000 psid
omit	250 psid

table 2	
code	length
9	single
14	double

table 3	
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)
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 4	
code	media type
M	G6 Dualglass
SF	Dynafuzz
W	wire mesh

table 5	
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

