HPTL4/X4 Series

Interchanges for Fairey Arlon
ST/TXX/TXW10, 11, 12, 13, 14 elements

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	450gpm (1700 lpm)
Element collapse	150 psid (17 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

Interchange

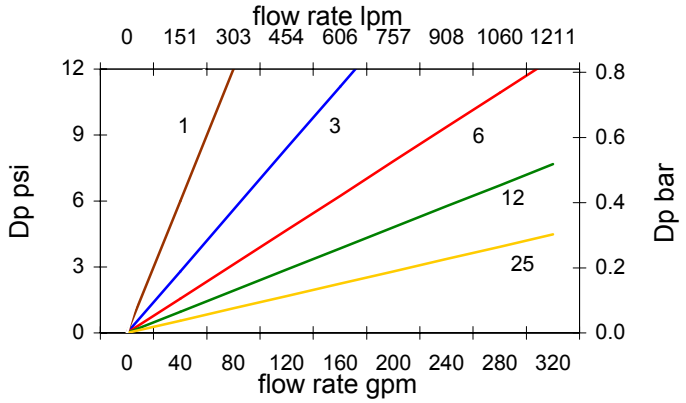
Fairey Arlon	Hy-Pro
*TXX10-#	HPTX4L13-#MB
*TXX11-#	HPTX4L17-#MB
*TXX12-#	HPTX4L21-#MB
*TXX13-#	HPTX4L32-#MB
*TXX14-#	HPTX4L43-#MB

*G5 Dualglass upgrade from cellulose

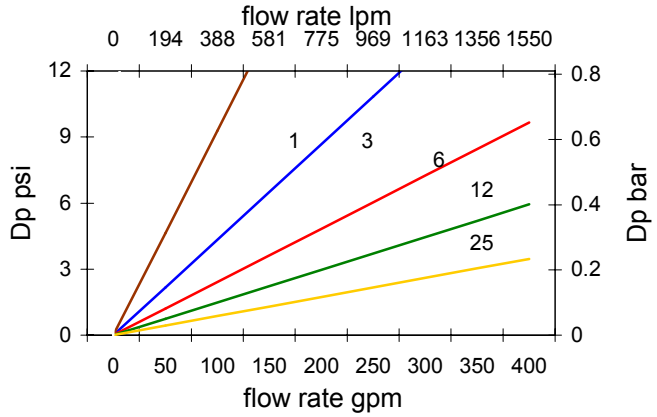
TXW10-#	HPTX4L13-#MB
TXW11-#	HPTX4L17-#MB
TXW12-#	HPTX4L21-#MB
TXW13-#	HPTX4L32-#MB
TXW14-#	HPTX4L43-#MB
TXWL10-#	HPTL4L13-#MB
TXWL11-#	HPTL4L17-#MB
TXWL12-#	HPTL4L21-#MB
TXWL13-#	HPTL4L32-#MB
TXWL14-#	HPTL4L43-#MB
ST10-#	HPTX4L13-#WB
ST11-#	HPTX4L17-#WB
ST12-#	HPTX4L21-#WB
ST13-#	HPTX4L32-#WB
ST14-#	HPTX4L43-#WB

For viton seals replace "B" in HP no. with "V"
Also available in stainless steel mesh media. Call or consult the Hy-Pro on line interchange guide at www.filterelement.com

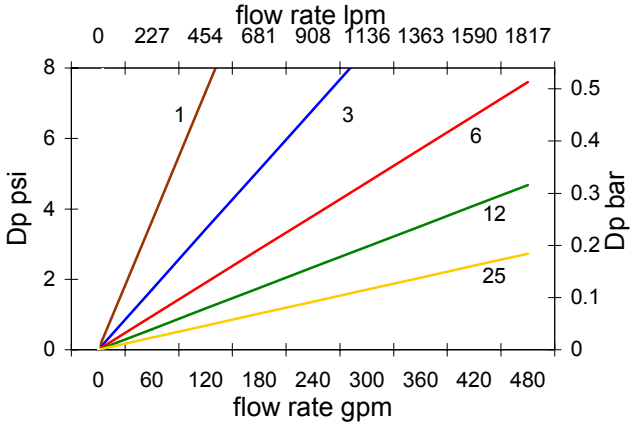
TX4/TL4L13 Dualglass Dp vs flow rate



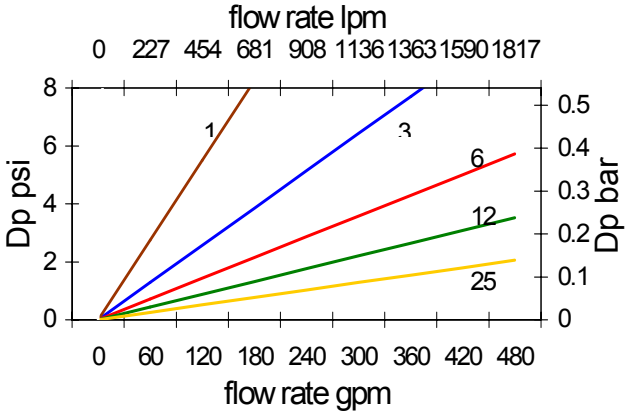
TX4/TL4L21 Dualglass Dp vs flow rate



TX4/TL4L32 Dualglass Dp vs flow rate



TX4/TL4L43 Dualglass Dp vs flow rate



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 element = DP curve x Viscosity/150 x SG/0.86

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table 1 table 2 table 3 table 4 table 5 table 6

HPT __ 4L __ - __ __ __ __

table 1 code	endcap config
L	coreless
X	metal hardware

table 2 code	length
13	single
17	Single extended
21	triple
32	quad
43	extended

table 3 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
25	B22[c] = 1000 (B25 = 200) or 25u nominal wire mesh
40	40u nominal wire mesh
60	74u nominal wire mesh
100	100u nominal wire mesh
120	120u nominal wire mesh

table 4 code	media type
M	G5 Dualglass
W	wire mesh

table 6 code	special option
PC	special coating for HWBF

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