



HP390/391 Series

Interchanges element for Parker
38P High Pressure Filters

Hy-Pro G6 Dualglass High Performance Filter Elements

Performance

Temperature: -45f to 225f, -43 to 107c (buna)
-20f to 250f, -29c to 120c (viton)
Element collapse 390 = 300 psid (20 bar)
391 = 2000 psid (141 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

Interchange

Parker	Hy-Pro	Parker	Hy-Pro
G04274	HP390L8-3MB	G04278	HP390L8-3MV
G04275	HP390L8-6MB	G04279	HP390L8-6MV
G04276	HP390L8-10MB	G04280	HP390L8-10MV
G04277	HP390L8-20MB	G04281	HP390L8-20MV
G04282	HP390L14-3MB	G04286	HP390L14-3MV
G04283	HP390L14-6MB	G04287	HP390L14-6MV
G04284	HP390L14-10MB	G04288	HP390L14-10MV
G04285	HP390L14-20MB	G04289	HP390L14-20MV
G04322	HP391L8-3MB	G04326	HP391L8-3MV
G04323	HP391L8-6MB	G04327	HP391L8-6MV
G04324	HP391L8-10MB	G04328	HP391L8-10MV
G04325	HP391L8-20MB	G04329	HP391L8-20MV
G04330	HP391L14-3MB	G04334	HP391L14-3MV
G04331	HP391L14-6MB	G04335	HP391L14-6MV
G04332	HP391L14-10MB	G04336	HP391L14-10MV
G04333	HP491L14-20MB	G04337	HP391L14-20MV

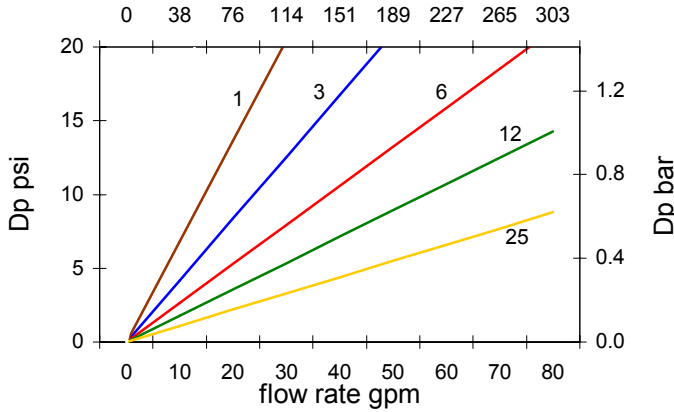
Also available in stainless steel mesh media and Dynafuzz. Call or consult the Hy-Pro on line interchange guide at www.filterelement.com

Fluid Compatibility

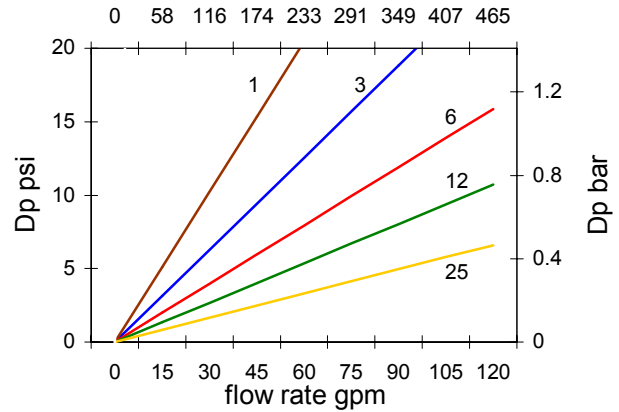
Petroleum based fluids, water glycols, polyol esters, phosphate esters, HWBF



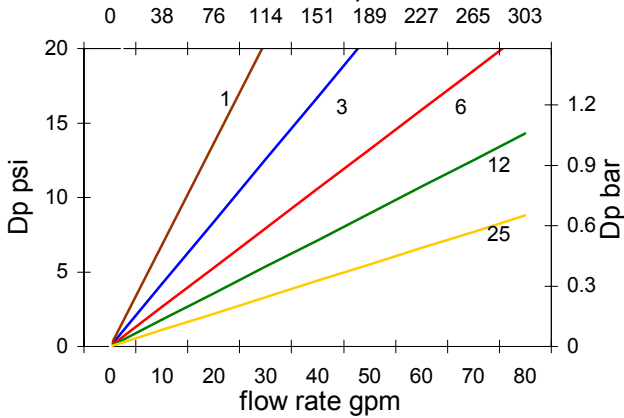
HP390L8 Dualglass Dp vs flow rate
flow rate lpm



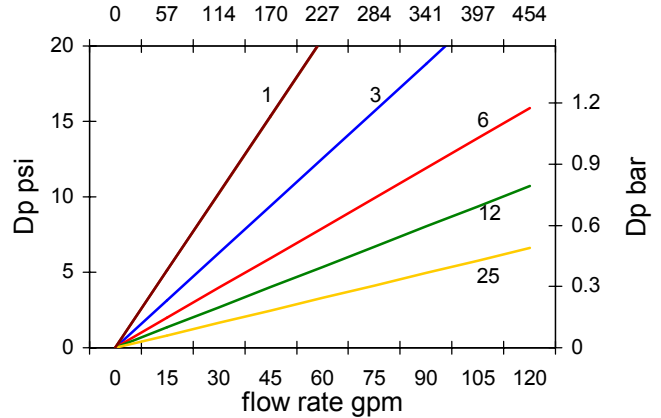
HP390L14 Dualglass Dp vs flow rate
flow rate lpm



HP391L8 Dualglass Dp vs flow rate
flow rate lpm



HP391L14 Dualglass Dp vs flow rate
flow rate lpm



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 Actual Viscosity/141 x Actual SG/0.86

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

HP39 _ L _ - _ _ _ _

table 1	
code	collapse
0	300 psid
1	2000 psid

table 2	
code	length
8	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)
10	B12[c] = 1000 (B12 = 200)
17	B15[c] = 1000 (B17 = 200)
20	B22[c] = 1000 (B25 = 200)
25	25u nominal wire mesh
40	40u nominal wire mesh
74	74u nominal wire mesh
149	149u nominal wire mesh
250	250u nominal wire mesh

table 4	
code	Media
A	G6 Dualglass w/water removal
M	G6 Dualglass
SF	Dynafuzz
W	wire mesh

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

table 5	
code	seal
B	Nitrile
V	Fluoro
E	EPR

