HP06RN Series

Interchanges Hydac 0060/0110R

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	29 gpm (110 lpm)
Element collapse	250 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.

Bypass Valve

Zero leak, soft seat design eliminates inherently Leaky plastic to plastic sealing surfaces

Tested to ISO quality standards

ISO2941	Collapse and burst resistance
ISO2942	Fabrication and Integrity test
ISO2943	Material compatibility with fluids
ISO3724	Flow fatigue characteristics
ISO3968	Pressure drop vs. flow rate
ISO16889	Multi-pass performance testing

Interchange

Hydac/Hycon	Hy-Pro
0060R003BN3HC	HP06RNL4-3MB
0060R003BNHC	HP06RNL4-3MB
0060R005BN3HC	HP06RNL4-6MB
0060R005BNHC	HP06RNL4-6MB
0060R010BN3HC	HP06RNL4-12MB
0060R010BNHC	HP06RNL4-12MB
0060R020BN3HC	HP06RNL4-25MB
0060R020BNHC	HP06RNL4-25MB
0110R003BN3HC	HP06RNL7-3MB
0110R003BNHC	HP06RNL7-3MB
0110R005BN3HC	HP06RNL7-6MB
0110R005BNHC	HP06RNL7-6MB
0110R010BN3HC	HP06RNL7-12MB
0110R010BNHC	HP06RNL7-12MB
0110R020BN3HC	HP06RNL7-25MB
0110R020BNHC	HP06RNL7-25MB

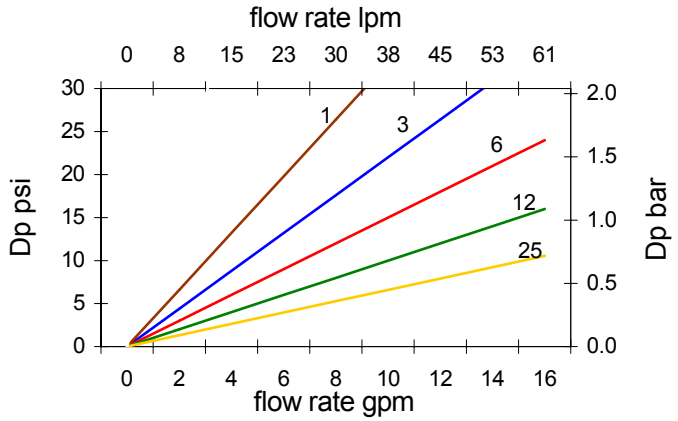
*More interchanges in the interchange guide or go to www.filterelement.com.

*for viton seals replace "B" in HP no. with "V"
*other media types than "BNHC" or "BN3HC" available are "W", "BN", "P" call or consult the Hy-Pro on line interchange guide at

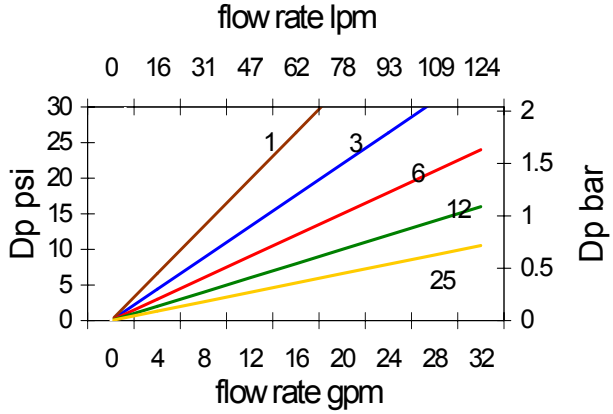
Fluid Compatibility

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

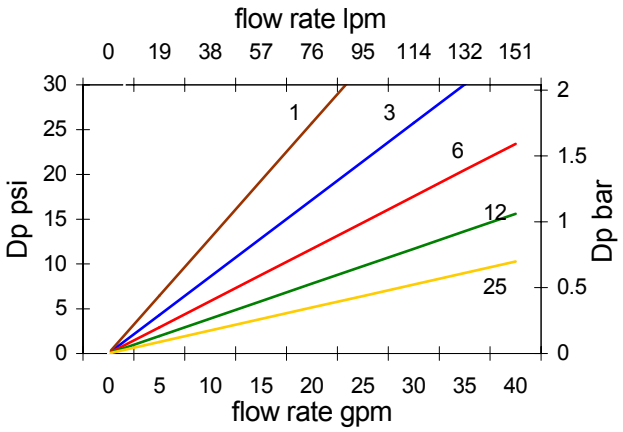
L4 Dualglass Dp vs flow rate



L7 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 table 6 table 7

HP06RNL __ - __ __ __ __ __ __

table 1 code	length
4	single
7	double
8	8 inch

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	B10[c] = 1000 (B10 = 200)
17	B15[c] = 1000 (B17 = 200)
25	B22[c] = 1000 (B25 = 200) or nominal wire mesh
74	74u nominal wire mesh
149	149u nominal wire mesh
250	250u nominal wire mesh

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

table 4 code	Element OD
omit	Standard
S	reduced capacity

table 5 code	bypass
omit	43psid bypass
C	blocked bypass

table 6 code	seal
B	Nitrile (buna)
V	Fluorocarbon
E	EPR

table 7 code	special option
PC	special coating for HWBF
87	87 psid bypass

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