



HP95RN Series

Interchanges Hydac 0950/1300/2600

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	500 gpm (1875 lpm)
Element collapse	250 psid (17 bar)

Interchange

Hydac/Hycon	Hy-Pro
0950R003BN3HC	HP95RNL14-3MB
0950R003BNHC	HP95RNL14-3MB
0950R005BN3HC	HP95RNL14-6MB
0950R005BNHC	HP95RNL14-6MB
0950R010BN3HC	HP95RNL14-12MB
0950R010BNHC	HP95RNL14-12MB
0950R020BN3HC	HP95RNL14-25MB
0950R020BNHC	HP95RNL14-25MB
1300R003BN3HC	HP95RNL18-3MB
1300R003BNHC	HP95RNL18-3MB
1300R005BN3HC	HP95RNL18-6MB
1300R005BNHC	HP95RNL18-6MB
1300R010BN3HC	HP95RNL18-12MB
1300R010BNHC	HP95RNL18-12MB
1300R020BN3HC	HP95RNL18-25MB
1300R020BNHC	HP95RNL18-25MB
2600R003BN3HC	HP95RNL36-3MB
2600R003BNHC	HP95RNL36-3MB
2600R005BN3HC	HP95RNL36-6MB
2600R005BNHC	HP95RNL36-6MB
2600R010BN3HC	HP95RNL36-12MB
2600R010BNHC	HP95RNL36-12MB
2600R020BN3HC	HP95RNL36-25MB
2600R020BNHC	HP95RNL36-25MB

*for viton (Hydac ends /-V) seals replace "B" in HP no. with "V".

*other media types than "BNHC" or "BN3HC" available are "W", "BN", "P", "P/HC" call or consult the Hy-Pro on line interchange guide at www.filterelement.com

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.

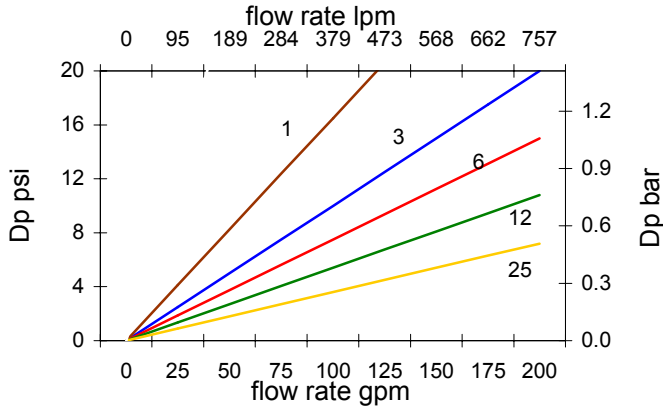
Bypass Valve

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

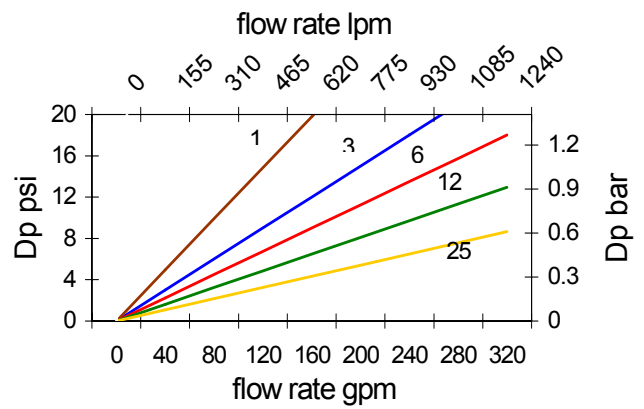
Tested to ISO quality standards

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

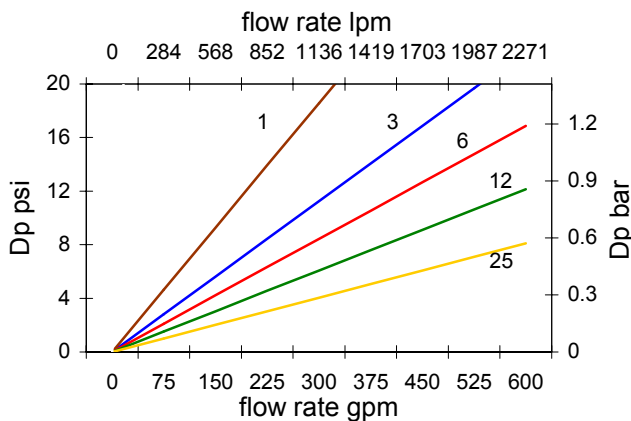
L14 G6 Dualglass Dp vs flow rate



L18 G6 Dualglass Dp vs flow rate



L36 G6 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:

**New DP element =
DP curve x Actual Viscosity/141 x Actual SG/0.86**

Fluid Compatibility

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

table 1 table 2 table 3 table 4 table 5 table 6 table 7

HP95RNL - - - - -

table 1	
code	length
14	single
18	double
36	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 nominal wire mesh
74	74u nominal wire mesh
149	149u nominal wire mesh
250	250u nominal wire mesh

table 5	
code	bypass
omit	With 43psid bypass valve
C	blocked bypass

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

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

table 4	
code	Element OD
omit	Standard
S	reduced capacity

table 7	
code	options
87	87 psid bypass
PC	HWBF coating
D	Chip cup

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

