HP03DH/03DN

Interchanges for Hycon/Hydac 0030D(BH3HC,BHHC,BN3HC,BNHC)

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	HP03DH = 3000 psid (210 bar)
	HP03DN = 450 psid (31 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

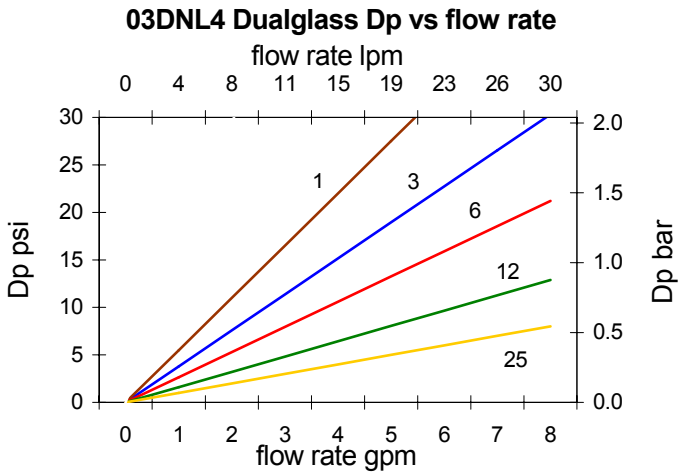
Interchange

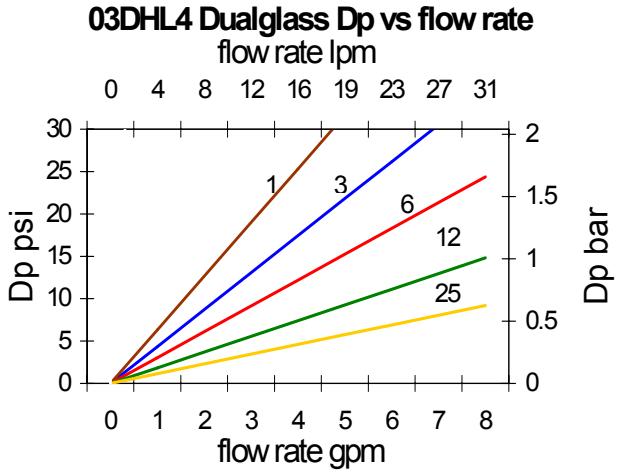
Hydac/Hycon	Hy-Pro
0030D003BH3HC	HP03DHL4-3MB
0030D003BHHC	HP03DHL4-3MB
0030D003BN3HC	HP03DNL4-3MB
0030D003BNHC	HP03DNL4-3MB
0030D005BH3HC	HP03DHL4-6MB
0030D005BHHC	HP03DHL4-6MB
0030D005BN3HC	HP03DNL4-6MB
0030D005BNHC	HP03DNL4-6MB
0030D010BH3HC	HP03DHL4-12MB
0030D010BHHC	HP03DHL4-12MB
0030D010BN3HC	HP03DNL4-12MB
0030D010BNHC	HP03DNL4-12MB
0030D020BH3HC	HP03DHL4-25MB
0030D020BHHC	HP03DHL4-25MB
0030D020BN3HC	HP03DNL4-25MB
0030D020BNHC	HP03DHL4-25MB
0030D025W	HP03DNL4-25WB
0030D025W/HC	HP03DNL4-25WB
0030D074W	HP03DNL4-74WB
0030D074W/HC	HP03DNL4-74WB
0030D149W	HP03DNL4-149WB
0030D149W/HC	HP03DNL4-149WB

*If No HC in Hydac/Hycon p/n or number not listed above call or consult interchange guide

*For Viton seals (where p/n ends /-V) replace the B in Hy-Pro p/n with a V.

*Water removal and Dynafuzz media also available. Call or consult the Hy-Pro on line interchange guide at www.filterelement.com





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

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table 1 table 2 table 3 table 4

HP03D __ L4 - __ __ __

table 1	
code	collapse rating
H	3000 psid
N	450 psid

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)
25	B22[c] = 1000 (B25 = 200) or 25u nominal wire mesh
74	74u nominal wire mesh
149	149u nominal wire mesh

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

table 4	
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 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