# HP101/102 Series

Interchanges industry standard element 6” x 18” with flat gaskets

# Hy-Pro G6 Dualglass

High Performance Filter Elements

## Performance

| | |
|---|---|
| Temperature: | -45f to 225f, -43c to 107c (buna)<br>-20f to 250f, -29c to 120c (viton)<br>(EPR)<br>(Silicone) |
| Element collapse | 150 psid (10 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.

## Pleated Element Design

Pleated element design offers increased dirt holding capacity and can handle higher flow rates than “composite type” elements.

## Fluid Compatibility

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

## Interchanges by Series Only (See interchange guide for exact cross references and complete part numbers).

PALL HC2618 series
PALL HC0101 series
Industry standard 618, 718 size
Hilco 618, 718
Commercial
Filterite
Parker Hannifin
Cuno

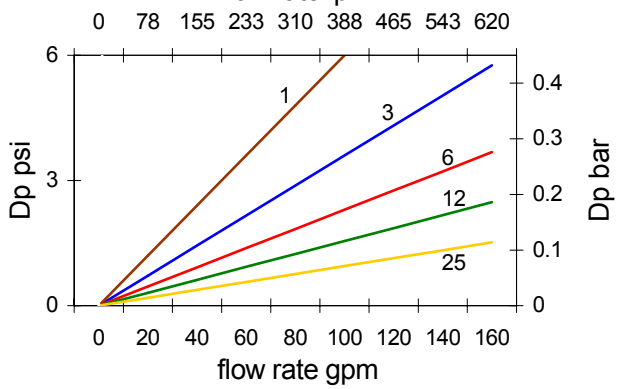
Available seal materials are Nitrile, Fluorocarbon, EPR, and Silicone.

Wire mesh, water removal, and Dynafuzz media available in addition to G5 Dualglass. Call or consult the Hy-Pro on line interchange guide at www.filterelement.com

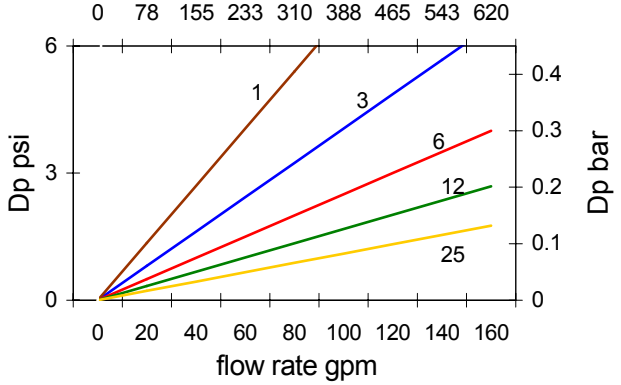
## Tested to ISO quality standards

| | |
|---|---|
| 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 |

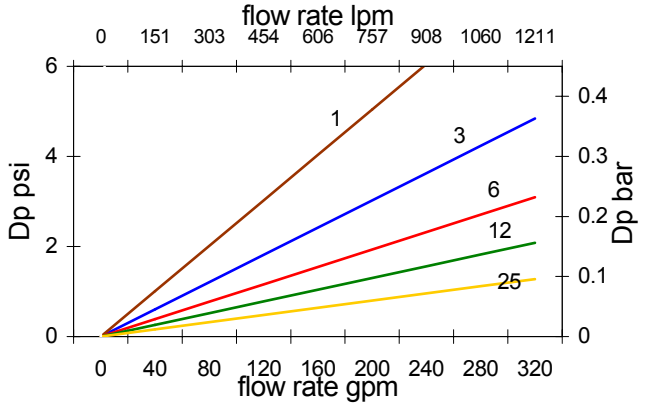
### 101L18 Dualglass Dp vs flow rate



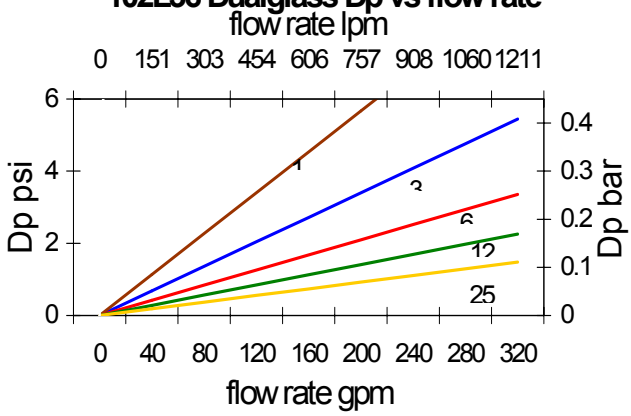

### 102L18 Dualglass Dp vs flow rate




### 101L36 Dualglass Dp vs flow rate




### 102L36 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

# HP10 __ __ L __ - __ __ __

| table 1 code | media type |
|---|---|
| 1 | High capacity |
| 2 | Low capacity |

| table 2 code | Element ID |
|---|---|
| omit | Standard |
| 3.18 | 3.188" ID |
| 3.5 | 3.50" ID |

| table 3 code | length |
|---|---|
| 7 | 7 inch |
| 17 | 17 inch |
| 18 | single |
| 22 | 22 inch |
| 29 | 29 inch |
| 36 | double |

| table 4 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 | Media |
|---|---|
| A | G6 Dualglass w/water removal |
| M | G6 Dualglass |
| W | wire mesh |

| table 6 code | seal |
|---|---|
| B | Nitrile (buna) |
| V | Fluorocarbon |
| E | EPR |
| S | Silicone |

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 |