



MEDIUM PRESSURE FILTERS

HHID150

Maximum operating pressure: 150 bar

Nominal flow to 240 litres



MEDIUM PRESSURE FILTERS

HHID150

Maximum operating pressure: 150 bar

Nominal flow to 240 litres

Step Industrial Filters medium pressure hydraulic housings assure a high efficiency of contaminant removal for your equipment, according to the following normatives:

- ISO 2941: Collapse and burst resistance .
- ISO 2942: Verification of fabrication integrity (bubble point test).
- ISO 2943: Compatibility with hydraulic media.
- ISO 3723: End load test.
- ISO 3724: Flow fatigue characteristics.
- ISO 3968: Flow characteristics.
- ISO 16889: Filtration performance test (multi-pass method).

Assembled with Step Industrial Filters hydraulic elements, this range assures a long lifetime for machines and maintenance costs optimization.

Technical Information

In-line assembly, with threaded mounting holes on top of the head.

Materials:

- Filter head: Cast Aluminum.
- Filter bowl: Aluminium .
- O-rings:
 - NBR (Buna-N®).
 - FPM (Viton®).
 - EPDM (Ethylene-Propylene-Diene-Monomer-Rubber).
- Support ring: PTFE (Polytetrafluoroethylene).

Port Connections: BSP.

Mounting option: with optical indicator, electric indicator or optical-electric indicator.

Operating Pressure: max. 150 bar.

- **ATTENTION: HHID150060 resists 160 bar pressure peaks.**

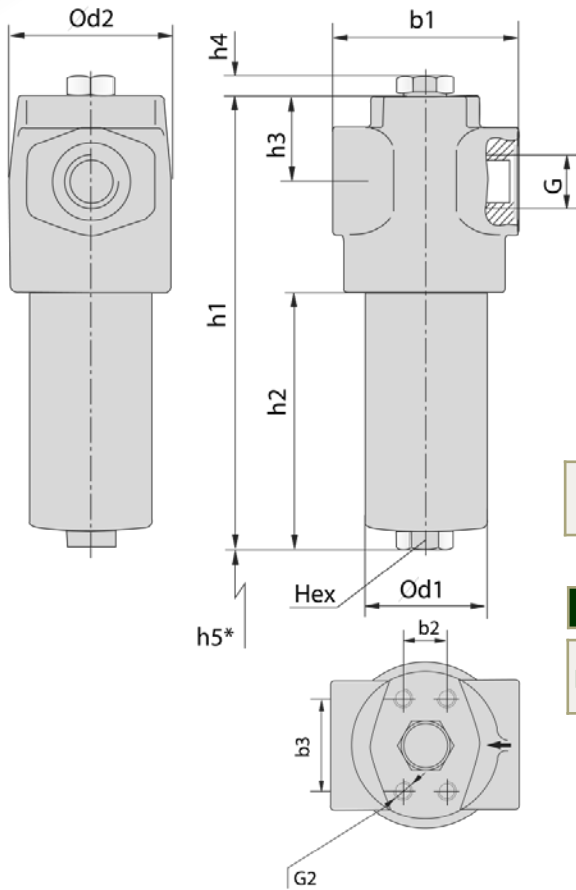
Burst Pressure: min. 480 bar.

Temperature Range : -10 °C to +100 °C.

MEDIUM PRESSURE FILTERS

HHID150

DIMENSIONS



REFERENCES CONSTRUCTION

HHID / PRESSURE / FLOW / BY-PASS (0→NO · 1→YES)

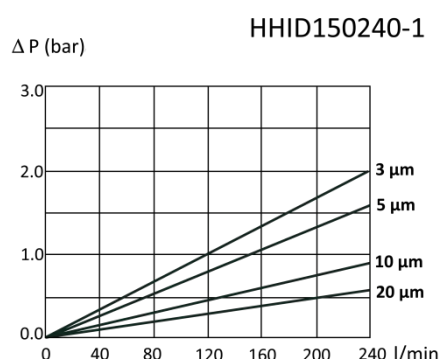
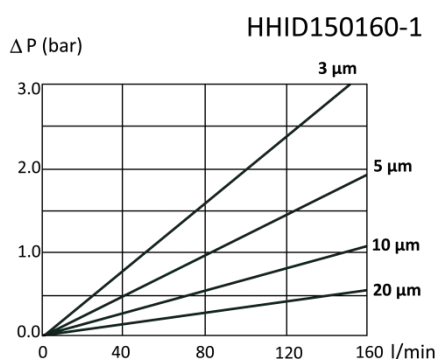
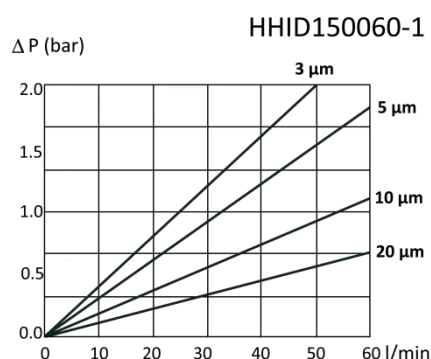
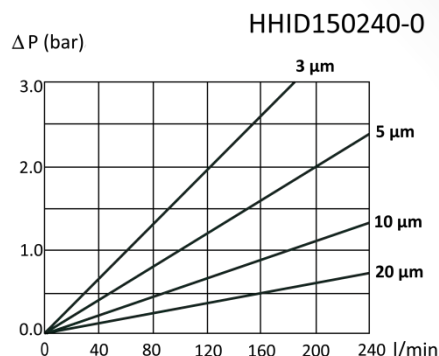
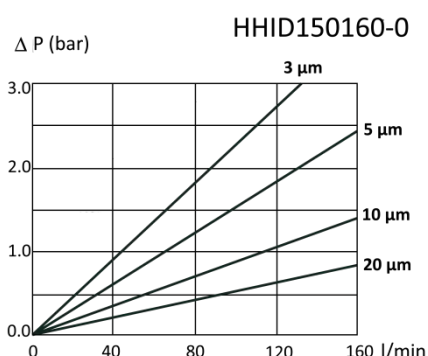
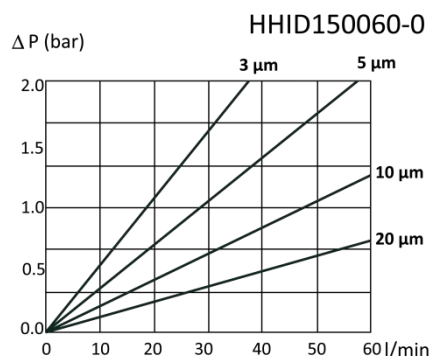
EXAMPLE

HHID / 150 / 160 / 1 ⇔ **HHID150160-1**

| | NOMINAL FLOW 60l/min HHID150060 (ATTENTION: it resists 160 bar pressure peaks) | NOMINAL FLOW 160l/min HHID150160 | NOMINAL FLOW 240l/min HHID150240 |
|--|---|--|--|
| THREAD CONNECTION BSP (G) | 3/4 | 1 - 1/4 | 1 - 1/4 |
| Weight (kg) Including element | 2,1 | 4,6 | 5,3 |
| Dimensions (mm) | | | |
| b1 | 92 | 128 | 128 |
| d1 | 72 | 100 | 100 |
| d2 | 86 | 117 | 117 |
| h1 | 187,5 | 241,5 | 301 |
| h2 | 78 | 105 | 164,5 |
| h3 | 40 | 49,5 | 49,5 |
| h4 | 12,5 | 12,5 | 12,5 |
| h5 Recommended h5 Minimum | 100 | 140 | 200 |
| | 85 | 120 | 120 |
| Hex | 27 | 32 | 32 |
| Thread dimensions (mm) | | | |
| b2 | 23,8 | 31,6 | 31,6 |
| b3 | 50,8 | 66,7 | 66,7 |
| G2 | M10 x 15 | M14 x 20 | M14 x 20 |

PRESSURE CURVES + ELEMENTS

(ACCORDING TO AN OIL VISCOSITY: 33cSt)



| NOMINAL FLOW 60l/min | | |
|-----------------------------|----|----------|
| REFERENCE | μm | ΔP (bar) |
| HID41523 | 3 | 25 |
| HID46110 | 3 | 210 |
| HID38152 | 5 | 25 |
| HID41524 | 5 | 210 |
| HID46113 | 10 | 25 |
| HID34129 | 10 | 210 |
| HID11941 | 20 | 25 |
| HID41526 | 20 | 210 |
| HEIGHT: 84 mm | | |
| EXTERNAL DIAMETER: 47 mm | | |
| INTERNAL DIAMETER: 22,20 mm | | |
| MEDIA:GLASS FIBER | | |

| NOMINAL FLOW 160l/min | | |
|-----------------------------|----|----------|
| REFERENCE | μm | ΔP (bar) |
| HID11977 | 3 | 25 |
| HID46111 | 3 | 210 |
| HID20710 | 5 | 25 |
| HID24298 | 5 | 210 |
| HID46114 | 10 | 25 |
| HID43211 | 10 | 210 |
| HID11985 | 20 | 25 |
| HID11983 | 20 | 210 |
| HEIGHT: 116 mm | | |
| EXTERNAL DIAMETER: 69 mm | | |
| INTERNAL DIAMETER: 34,20 mm | | |
| MEDIA:GLASS FIBER | | |

| NOMINAL FLOW 240l/min | | |
|-----------------------------|----|----------|
| REFERENCE | μm | ΔP (bar) |
| HID32076 | 3 | 25 |
| HID32075 | 3 | 210 |
| HID20700 | 5 | 25 |
| HID12000 | 5 | 210 |
| HID85753 | 10 | 25 |
| HID12001 | 10 | 210 |
| HID12007 | 20 | 25 |
| HID12004 | 20 | 210 |
| HEIGHT: 170 mm | | |
| EXTERNAL DIAMETER: 69 mm | | |
| INTERNAL DIAMETER: 34,20 mm | | |
| MEDIA:GLASS FIBER | | |

