

FPK02 Highlights

Working Pressures to: 6090 *psi*
42,000 kPa
420 bar

Rated Static Burst to: 9135 *psi*
63,000 kPa
630 bar

Flow Range to: 25 *gpm*
95 *l/min*



Features

The FPK02 is built to withstand pressures upwards of 6000 *psi*. It features a cast iron head and cold-extruded steel housing for ultimate strength and durability. This filter meets the HF2 in-plant automotive specification.

Bypass options include 87 *psid* bypass, bypass with reverse-flow check valve, or no bypass.

Take advantage of our Mix 'n Match system of in-stock heads, housings & cartridges—so you can get exactly what you need! Likewise, choose the media type and configuration that's best for your application. All FPK02 filters contain Synteq®, Donaldson's exclusive synthetic fiber media formulated especially for liquid filtration! (See page 8 for details on Synteq.)

Beta Rating

- Performance to $\beta_{6(c)}=1000$

T-Type Porting Sizes

- SAE-12 O-Ring Ports (standard)

Assembly Weight

- 4" Assembly: 9.2 lbs / 4.2 kg
- 8" Assembly: 13.2 lbs / 6.0 kg

Replacement Filter Lengths

- 4" / 101.5mm
- 8" / 203mm

Standard Bypass Ratings

- 87 *psi* / 600 kPa / 6 bar
- 87 *psi* Bypass with reverse-flow check valve
- No Bypass

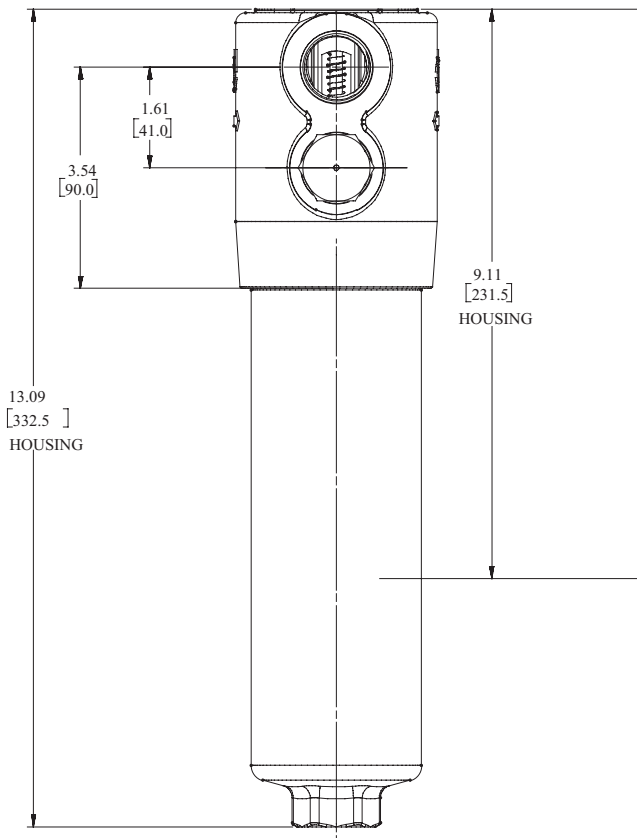
Operating Temperatures

- -20°F to 250°F / -29°C to 120°C

Element Collapse Ratings

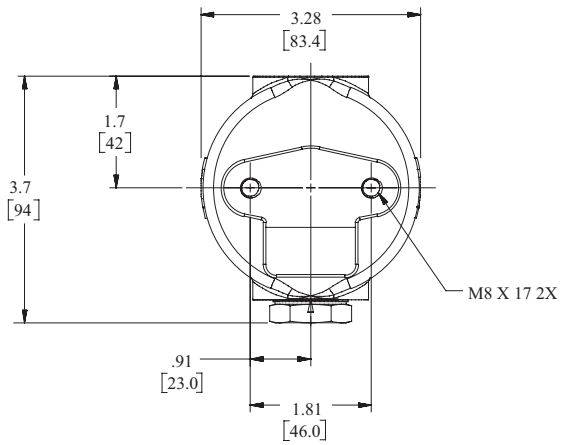
- 290 *psi* / 2000 kPa / 20 bar (standard)
- 3000 *psi* / 20,700 kPa / 207 bar (high collapse)

Assembly - Side View

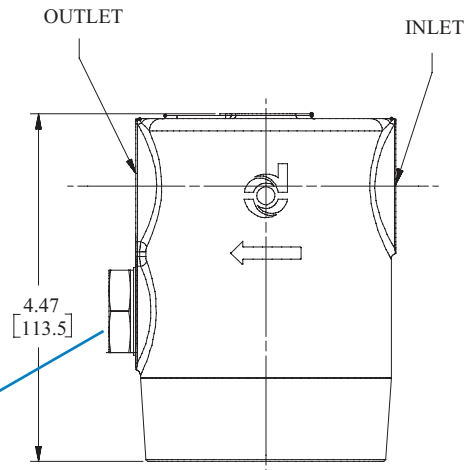


for: Servo Valve Circuits
In-Plant & Mobile Equipment
Power Steering Circuits
High Pressure Circuits
Meets HF2 Specification

Head - Top View



Head - Side View



Indicator Plug
Remove plug to install visual or electrical indicator.

All dimensions above are shown in inches [millimeters]

High Pressure Filters

FPK02 Components

Element Choices

Media Number	B _{x(e)} = 1000 Rating	Length (in./mm)	Part No.	Comments
No. 1	6µm	4.37/111	P169429	BunaN Seal
			P167180	Fluorocarbon Seal High Collapse
		8.12/203	P167838	BunaN Seal
			P167182	Fluorocarbon Seal High Collapse
No. 2	9µm	4.37/111	P165041	BunaN Seal
		8.12/203	P165043	BunaN Seal
No. 2½	10µm	4.37/111	P165006	BunaN Seal
			P167181	Fluorocarbon Seal High Collapse
		8.12/203	P165015	BunaN Seal
			P167183	Fluorocarbon Seal High Collapse
No. 9	23µm	4.37/111	P165136	BunaN Seal
		8.12/203	P165138	BunaN Seal



All FPK02 filters contain Synteq®, our synthetic filter media designed especially for liquid filtration. Learn more about Synteq® on page 8!

Filter Notes

- Synteq® filter media, which is in all FPK02 filter cartridges, is compatible with petroleum based fluids, as well as with most phosphate esters, water oil emulsions, and HWCF (high water content fluids).
- If you're filtering petroleum-based oil, filters with seals made of BunaN are appropriate for most applications.
- If you're filtering diester, phosphate ester fluids, water glycol, water/oil emulsions, and HWCF over 150°F/ 83°C, use filters with seals made of fluorocarbon, such as Viton® from DuPont Dow Elastomers, or Fluorel® from 3M Company.
- Donaldson "high collapse" elements, with their steel endcaps and wire-backed media, are rated to withstand up to 3000 psi/ 20,700 kPa before collapsing.

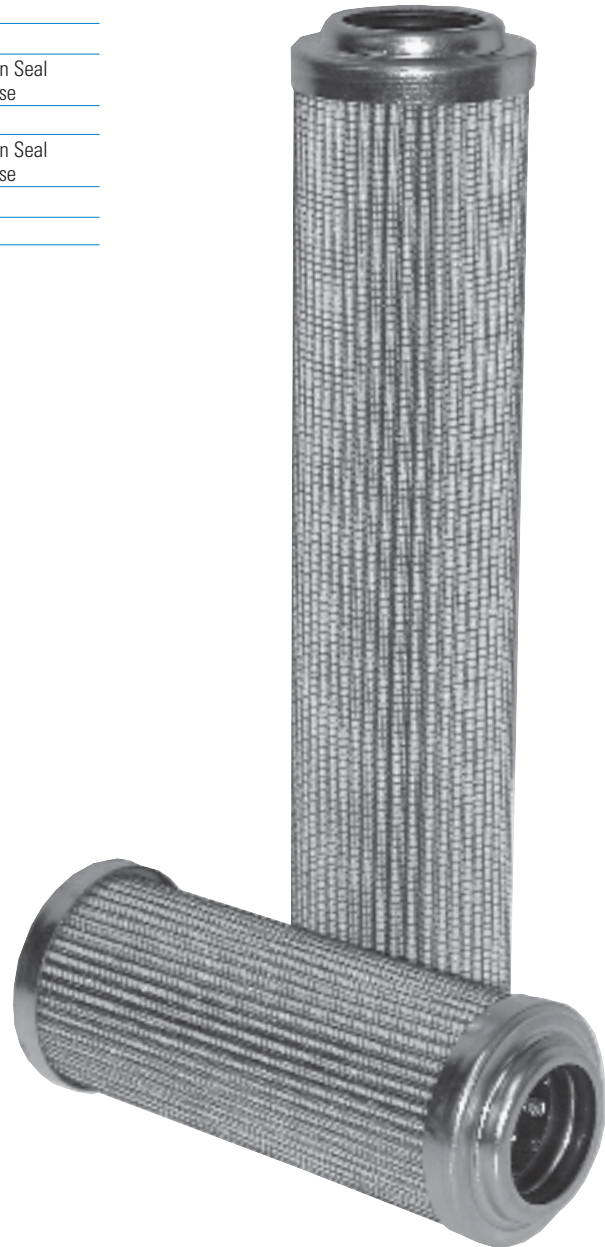
Housing Choices

Length (in./cm)	Part No.
4" element	P762769
8" element	P762770

Head Choices

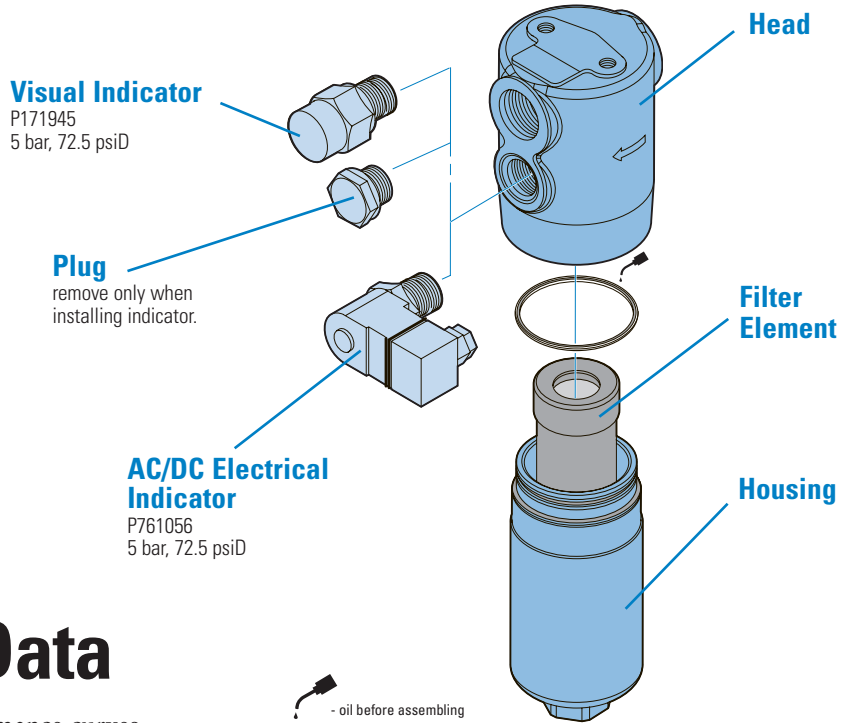
Port Size ⁴	Bypass Rating	Part No.
3/4" O-Ring*	87 psi Bypass	P762766
3/4" O-Ring*	87 psi Bypass	P762767 with reverse-flow check valve
3/4" O-Ring*	No Bypass	P762768

NOTE: Port is machined and plugged. Replace plug with indicator of choice: P171945 (visual) or P761056 (electrical). See illustration on opposite page for details.



FPK02 Service Parts

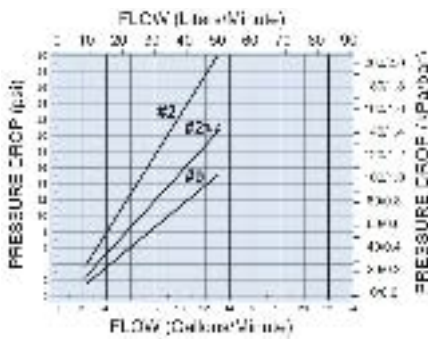
When installing the FPK02 housing onto an installed head, torque it to 15 ft-lbs.



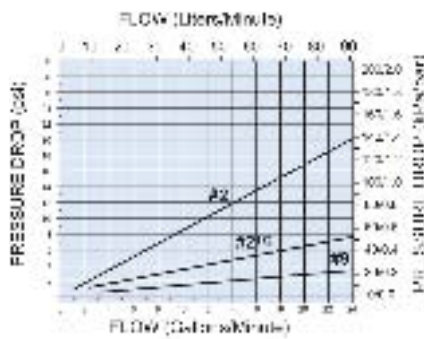
Performance Data

For a full explanation of how our performance curves were derived, see page 150.

FPK02 4" Element Only



FPK02 8" Element Only



FPK02 Housing Only

