

LPS05 Spin-on Filter

Working Pressures to:	150 <i>psi</i> 1035 kPa 10.3 bar
Rated Static Burst to:	250 <i>psi</i> 1725 kPa 17.2 bar
Flow Range to:	60 <i>gpm</i> 227 l/min



Features

The LPS05 spin-on filter is an economical, low-pressure model with a broad selection of media ratings. Its die cast aluminum head and steel body ensure strength and durability—perfect for a wide variety of mobile and in-plant applications.

Take advantage of Donaldson's Mix 'n Match system of in-stock heads and element choices—so you can get exactly what you need! Element options include: natural-fiber cellulose with beta ratings of 3 μ m, 10 μ m or 25 μ m; water-absorbing cellulose media to 25 μ m; and wire mesh media to 150 μ m.

Beta Rating

- Performance to $\beta_{(16)}=75$

Porting Sizes

- 1 $\frac{1}{4}$ " NPT

Replacement Filter Lengths

- Cellulose 6.85" / 174 mm
11.39" / 289 mm
- Wiremesh 6.63" / 168 mm
10.66" / 271 mm

Standard Bypass Ratings

- 25 *psi* / 172.5 kPa / 1.7 bar
- 5 *psi* / 34.5 kPa / .34 bar

Assembly Weight

- 4.7 lbs / 2.1 kg
- 5.6 lbs / 2.5 kg

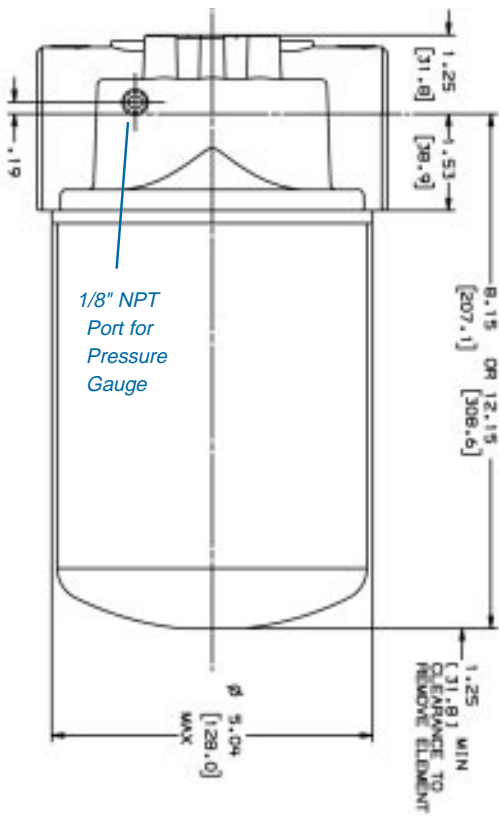
Operating Temperatures

- -20°F to 225°F / -27°C to 107°C

Collapse Ratings

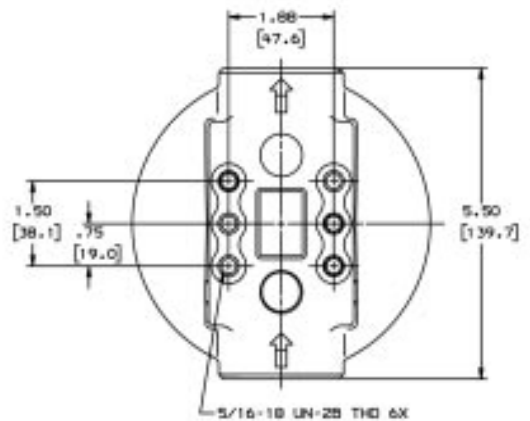
- 100 *psid* / 690 kPa / 6.9 bar

Assembly - Side View



for:
**Process Systems
 Fluid Conditioning
 In-plant & Mobile Equipment
 Power Transmissions
 Filter Cart**

Head - Top View



● All dimensions above are shown in inches [millimeters]

LPS05 Components

Head & Element Choices

Description	Outer Dia.		Length		Media		Part Number
	inches	mm	inches	mm	Type	Beta ₂ = 2 (nominal)	
LPS05 Spin-on Element 1½" - 16 Thread	5	127	6.85	174	Cellulose	3µm	P550386
			11.39	289			P550250
			6.85	174	Cellulose	10µm	P550388
			11.39	289			P550251
			6.85	174	Cellulose	25µm	P550387
			11.39	289			P550252
			11.39	289	Cellulose	25µm Water Absorbion*	P550253
			6.63	168	Wire Mesh	150µm	P550275
			10.66	271	Wire Mesh	150µm	P550276
LPS05 Head (1¼" NPT)	Bypass Rating = 5 psid / 34.5 kPad / 0.34 bar					P171208	
						P169545 <i>(with side-mounted visual indicator)</i>	
LPS05 Head (1¼" NPT)	Bypass Rating = 25 psid / 172.4 kPad / 1.72 bar					P167849	
						P169544 <i>(with side-mounted visual indicator)</i>	

Gaskets

LPS05 spin-on filters accept three gasket styles, as explained below:

P170894 L Shaped

Use with Donaldson LPS05 head; Shipped with each spin-on element.

P171184 Square Cut

Use with non-Donaldson head; Shipped with each spin-on element.

P166435 O-Ring

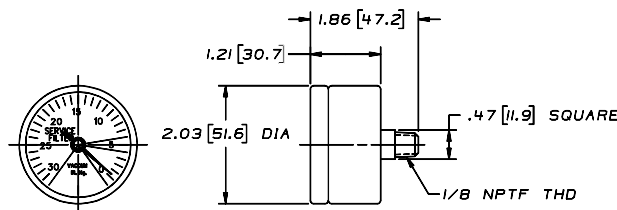
Use with Donaldson HBK05 heads & elements.

Filter Service Indicator



This handy pressure gauge, mounted on the side of an LPS05 filter head, will tell you when it's time to service the filter element. If you don't have the LPS05 model that includes a gauge, you can order it separately.

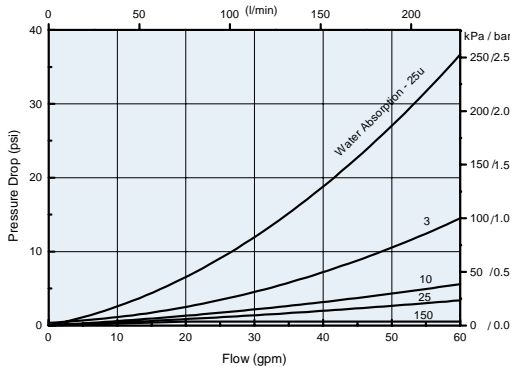
Filter Bypass Rating	Designed to fit	Gauge Part No.	Face Scale
25 psi / 172.5 kPa / 1.7 bar	P167849 head	P174772	0 - 60 psi



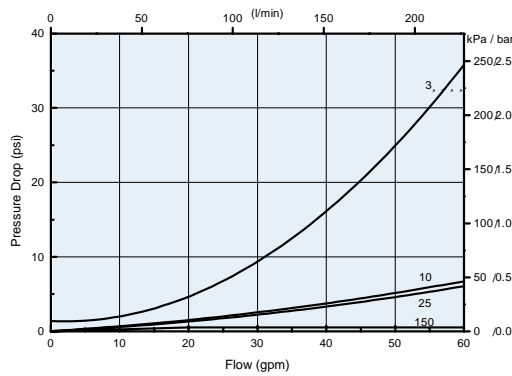
Performance Data

For a full explanation of how our performance curves were derived, see page 94.

**LPS05 Element Only
(11.4 inch / 289 mm length)**



**LPS05 Element Only
(6.8 inch / 174 mm length)**



LPS05 Head Only

