

Pressure Filters

LV4P Series

Flows to 330 L/min (87 USgpm)
Pressures to 100 bar (1500 PSI)

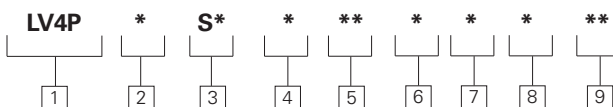


Features and Benefits

- Designed to comply with ANSI specifications and ISO cleanliness standards.
- Visual, electrical, and electrical indicators with lamp options for system design flexibility.
- High efficiency replacement elements in standard configurations (C-Pak) to meet Target Cleanliness Levels.
- Poppet type by-pass valve construction.
- High collapse elements available for non-bypass applications.

DESIGN SPECIFICATIONS

Rated flow:	Length 5 Length 7	160 L/min (42 USgpm) 330 L/min (87 USgpm)
Fluid compatibility:	Compatible with most petroleum oil, oil-in-water and water-in-oil fluids. Optional seals available for phosphate esters.	
Temp range:	-40°C to +121°C (-40°F to +250°F)	
Pressure rating:	Operating Fatigue	100 bar (1500 PSI) 100 bar (1500 PSI)
Material:	Head Bowl	Aluminum Aluminum
Dry weight: (Approximate)	Length 5 Length 7	3,7 kg (8.2 lbs) 8,0 kg (17.6 lbs)



LV4P Series Filter Assembly Model Code

Sample model code:
LV4P1SC4LNB5C05

1 Filter Series - LV4P

2 Element Collapse Rating

- 1** - 250 PSI Low Collapse
- 4** - 1500 PSI High Collapse

3 Port Options

Length 5:

SC - 1.625 - 12UN SAE-20 Str. thd. (1-1/4" tube)

Length 7:

SD - 1.875 - 12UN SAE-24 Str. thd. (1-1/2" tube)

4 Valve Options

- 1** - Non-Bypass
- 4** - Bypass set at 43 PSI cracking pressure
- 6** - Bypass set at 90 PSI cracking pressure

5 Indicator Options

- AN** - Visual 70 PSI, No Connector
- LN** - Visual 30 PSI, No Connector
- JN** - No Indicator (plug), No Connector
- RB** - Electrical 30 PSI, Brad Harrison
- RJ** - Electrical 30 PSI, Hirshman w 24 volt light
- RK** - Electrical 30 PSI, Hirshman w 115 volt light
- RL** - Electrical 30 PSI, Hirshman w 230 volt light
- RH** - Electrical 30 PSI, Hirshman
- UB** - Electrical 70 PSI, Brad Harrison
- UJ** - Electrical 70 PSI, Hirshman w 24 volt light
- UK** - Electrical 70 PSI, Hirshman w 115 volt light
- UL** - Electrical 70 PSI, Hirshman w 230 volt light
- UH** - Electrical 70 PSI, Hirshman

6 Seal Material

- B** - Buna-N
- V** - Viton-A

7 Assembly Length

- mm (inch)
- 5** - 247 (9.73)
- 7** - 312 (12.29)

8 Element Construction

- C** - C-Pak (grade 3, 5, 10, 20)
- H** - H-Pak (grade 3, 5, 10)

9 Fluid Cleanliness Rating

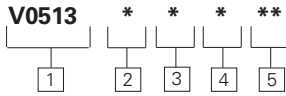
Code	Target fluid cleanliness level
03	16/14/12 or better
05	18/16/14 or better
10	20/18/15 or better
20	22/19/16 or better

Items not in bold are non-standard and may have a longer lead time

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V0513 Element Model Codes

Sample model code:

V0513B5C05

1 Filter Element
V0513 - For use with LV4P series housings

2 Seal Material

B - Buna-N
V - Viton-A

3 Element Length

mm (inch)
5 - 147 (5.8)
7 - 180 (7.09)

4 Element Construction

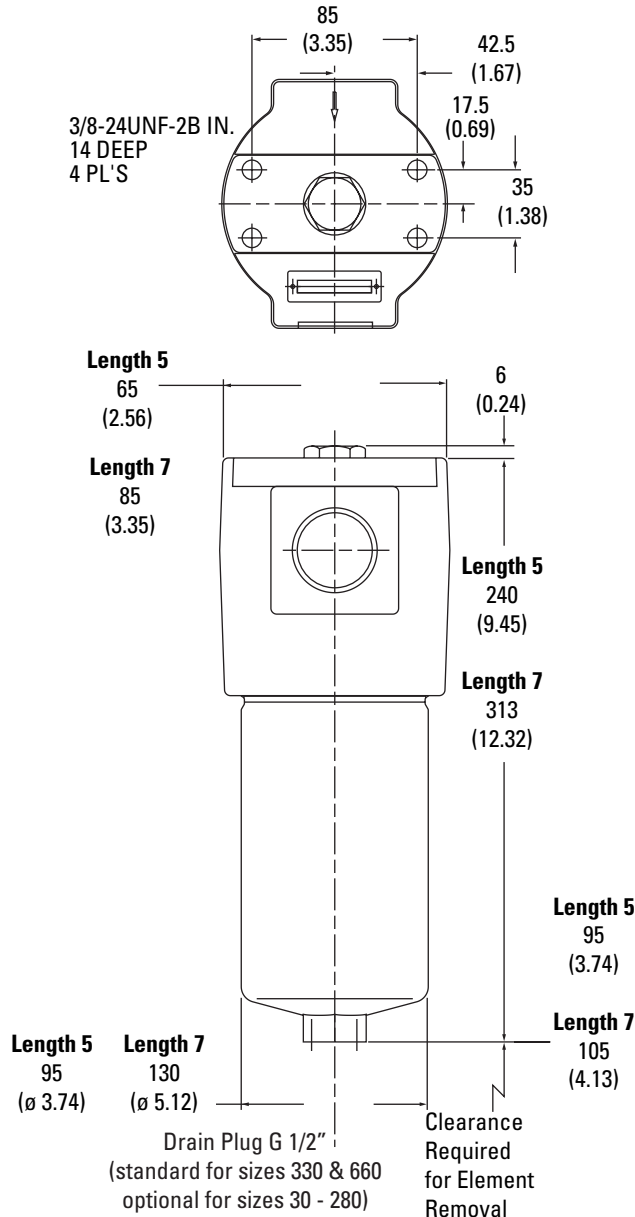
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H - H-Pak (grade 3, 5, 10)

Fluid Cleanliness Rating

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Housing Dimensions

mm (inch)



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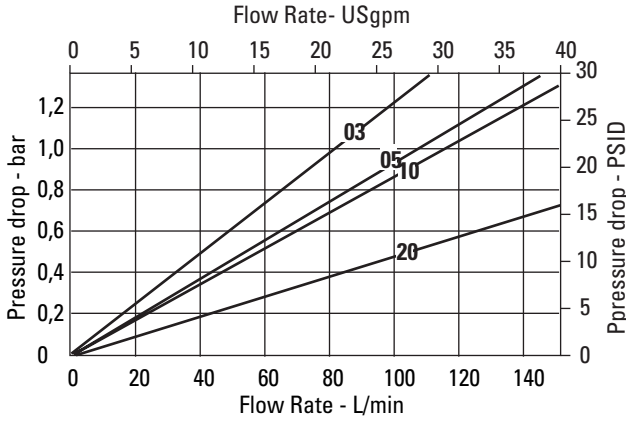
Flow Data

Flow versus pressure drop:

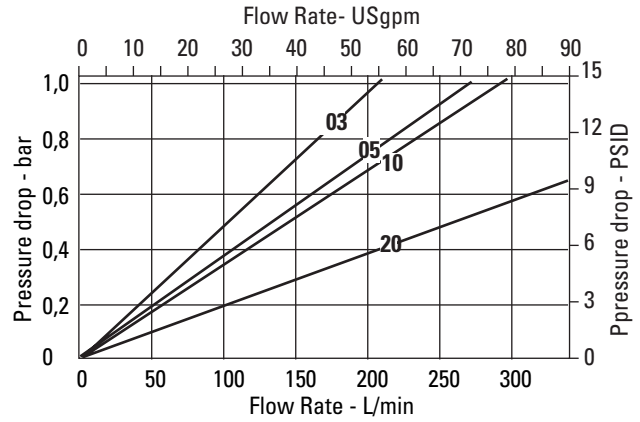
150 SUS (32 cSt) oil with specific gravity of ≤ 0.9

Element Flow Data

LV4P C-Pak Element Length 5

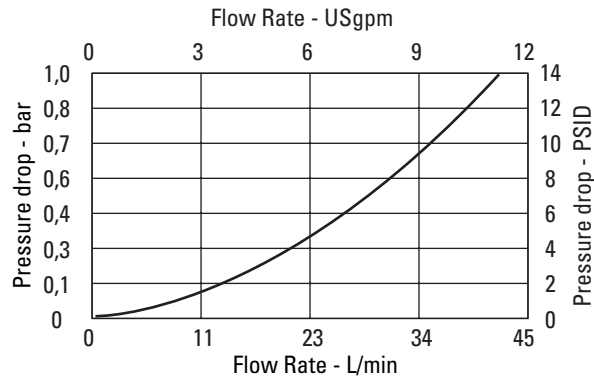


LV4P C-Pak Element Length 7

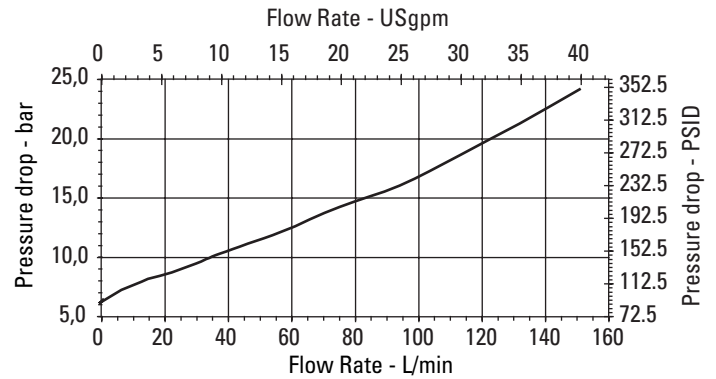


Housing/Bypass Valve Flow Data

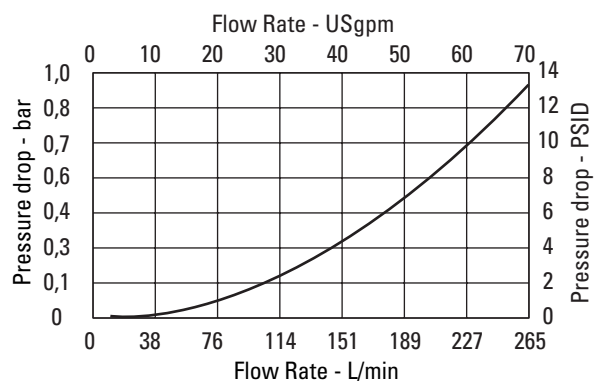
Length 5 Housing



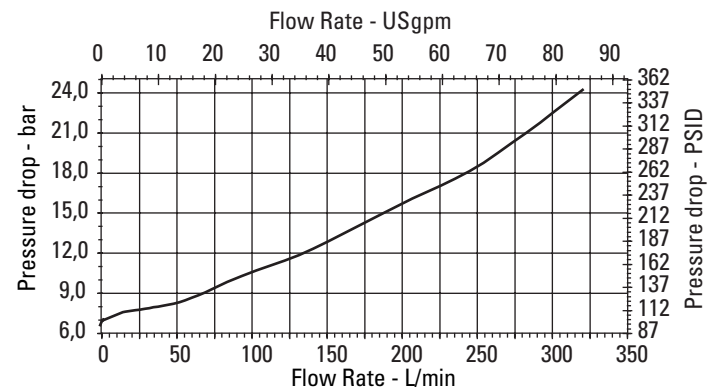
Length 5 Bypass



Length 7 Housing



Length 7 Bypass



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