



IOL Series Filter Housings

- Single Cartridge Housing Accepts AB Style, Single Open End Filter Elements
- All Stainless Steel Materials of Construction
- Accepts 1 in (2.54 cm), 5 in (12.7 cm), 10 in (25.4 cm), 20 in (50.8 cm) or 30 in (76.2 cm) Code 3, Code 7, Code 8 or Code 18 Filter Cartridges
- In-Line Inlet and Outlet Connections for Easy Installation
- Quick Opening T-Handle V-Band Clamp Facilitates Filter Change-out
- Wide Choice of Inlet/Outlet Sizes and O-ring Seal Options
- Passivated for Purity

Housing Specifications

Design Ratings¹:

260 psig (17.9 bar) @ 100°F (40°C)

200 psig (13.8 bar) @ 300°F (150°C)

NOTE: Above ratings apply to housing only. Cartridge and housing O-ring selection may impose different and narrower limitations.

Materials of Construction:

Head: 316L Stainless Steel

Bowl: 316 Stainless Steel

Connections:

Inlet/Outlet: 3/4" NPT, 1" NPT, 3/4" BSPT, 1" BSPT

Flange Option: 150 lb. ANSI raised face flanges available for 1" IOL Housings

Vent/Drain: 1/4" NPT, BSPT or BSPP

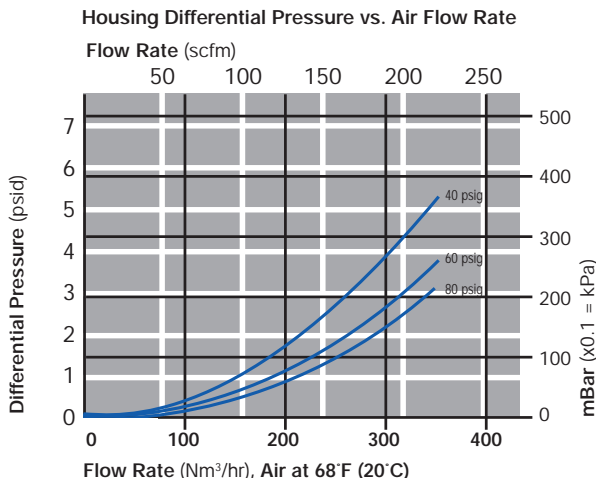
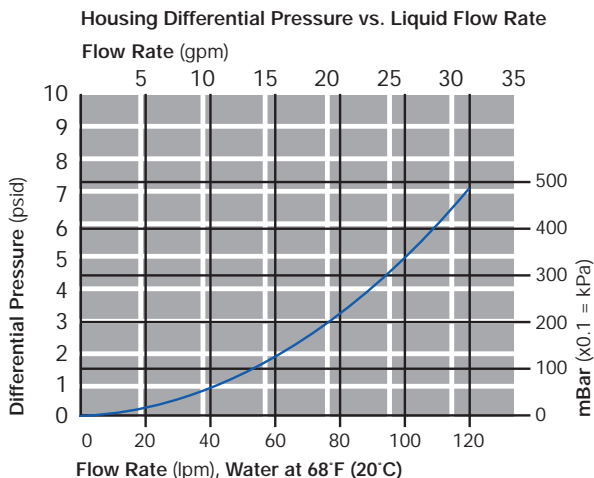
Shell O-rings:

FEP Encapsulated Fluorocarbon Elastomer, Silicone Elastomer, Fluorocarbon Elastomer, Nitrile, Ethylene Propylene, Ethylene Propylene for Steam Service



Bracket Option: Stainless steel brackets are available as a standard option.

¹ - Fully vacuum rated.

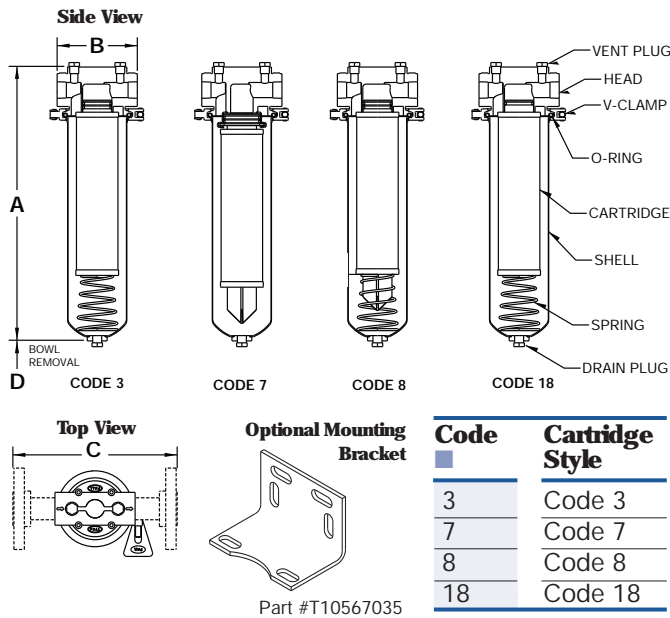


For liquids other than water, multiply differential pressure by specific gravity.

Dimensional Data

| Model | Flow ² Rate (gpm/lpm) | Dimensions | | | | Volume Gal/L | Weight Empty | |
|---------|--|-------------|------------|------------|------------|-----------------|---------------------------|--------------------------|
| | | A in/mm | B in/mm | C in/mm | D in/mm | | Threaded Nozzle lbs/Kg | Flanged Nozzle lbs/Kg |
| IOL301 | 1/3.78 | 5.81/147.57 | 4.81/122 | 9.81/250 | 2/50.8 | .04 / .15 | 4.5/2 | |
| IOL305 | 5/19 | 7.8/198 | 4.81/122 | 9.81/250 | 4/102 | 0.11 / 0.4 | 5.1/2.32 | 11.9/5.4 |
| IOL31 | 10/38 | 16.5/419 | 4.81/122 | 9.81/250 | 12.63/321 | 0.42/1.6 | 5.95/2.7 | 12.8/5.8 |
| IOL32 | 20/76 | 26.25/667 | 4.81/122 | 9.81/250 | 22.5/572 | 0.82/3.1 | 6.92/3.14 | 13.7/6.2 |
| IOL33 | 30/114 | 36.13/918 | 4.81/122 | 9.81/250 | 32.38/822 | 1.22/4.6 | 7.89/3.58 | 14.7/6.7 |
| IOL701 | 1/3.78 | 5.81/147.57 | 4.81/122 | 9.81/250 | 2/50.8 | .04 / .15 | 4.5/2 | |
| IOL705 | 5/19 | 7.8/198 | 4.81/122 | 9.81/250 | 4/102 | 0.11/0.4 | 5.1/2.32 | 11.9/5.4 |
| IOL71 | 10/38 | 16.5/419 | 4.81/122 | 9.81/250 | 12.63/321 | 0.42/1.6 | 5.95/2.7 | 12.8/5.8 |
| IOL72 | 20/76 | 26.25/667 | 4.81/122 | 9.81/250 | 22.5/572 | 0.82/3.1 | 6.92/3.14 | 13.7/6.2 |
| IOL73 | 30/114 | 36.13/918 | 4.81/122 | 9.81/250 | 32.38/822 | 1.22/4.6 | 7.89/3.58 | 14.7/6.7 |
| IOL801 | 1/3.78 | 5.81/147.57 | 4.81/122 | 9.81/250 | 2/50.8 | .04 / .15 | 4.5/2 | |
| IOL805 | 5/19 | 7.8/198 | 4.81/122 | 9.81/250 | 4/102 | 0.11/0.4 | 5.1/2.32 | 11.9/5.4 |
| IOL81 | 10/38 | 16.5/419 | 4.81/122 | 9.81/250 | 12.63/321 | 0.42/1.6 | 5.95/2.7 | 12.8/5.8 |
| IOL82 | 20/76 | 26.25/667 | 4.81/122 | 9.81/250 | 22.5/572 | 0.82/3.1 | 6.92/3.14 | 13.7/6.2 |
| IOL83 | 30/114 | 36.13/918 | 4.81/122 | 9.81/250 | 32.38/822 | 1.22/4.6 | 7.89/3.58 | 14.7/6.7 |
| IOL1801 | 1/3.78 | 5.81/147.57 | 4.81/122 | 9.81/250 | 2/50.8 | .04 / .15 | 4.5/2 | |
| IOL1805 | 5/19 | 7.8/198 | 4.81/122 | 9.81/250 | 4/102 | 0.11/0.4 | 5.1/2.32 | 11.9/5.4 |
| IOL181 | 10/38 | 16.5/419 | 4.81/122 | 9.81/250 | 12.63/321 | 0.42/1.6 | 5.95/2.7 | 12.8/5.8 |
| IOL182 | 20/76 | 26.25/667 | 4.81/122 | 9.81/250 | 22.5/572 | 0.82/3.1 | 6.92/3.14 | 13.7/6.2 |
| IOL183 | 30/114 | 36.13/918 | 4.81/122 | 9.81/250 | 32.38/822 | 1.22/4.6 | 7.89/3.58 | 14.7/6.7 |

² - Dependent on inlet/outlet selection.



Part Numbers/Ordering Information

IOL ■ ● G ◆ (e.g., IOL 3 1 G N12 H13)

| Code | Bowl Length | | |
|------|---|---|-----|
| 01 | 1" (Available in Code 3 only, with N16 or B16 option) | 1 | 10" |
| | | 2 | 20" |
| 05 | 5" | 3 | 30" |

| Code | Inlet/Outlet And Vent/Drain Size |
|------|----------------------------------|
| N12 | ¾" NPT/¼" NPT |
| N16 | 1" NPT/¼" NPT |
| B12 | ¾" BSPT/¼" BSPT |
| B16 | 1" BSPT/¼" BSPT |
| B17 | 1" ANSI Flange/¼" BSPT |
| N17 | 1" ANSI Flange/¼" NPT |
| P17 | 1" ANSI Flange/¼" BSPP |
| P19 | 1" BSPP/¼" BSPP |
| B35 | 1" BS4504 Flange/¼" BSPT |
| P35 | 1" BS4504 Flange/¼" BSPP |

| Code | Seal Materials | | |
|------|---|-----|--------------------------------------|
| H | Fluorocarbon Elastomer | H4 | Silicone |
| | | H13 | Nitrile |
| H1 | FEP Encapsulated Fluorocarbon Elastomer | J | Ethylene Propylene |
| | | J7 | Ethylene Propylene for Steam Service |



25 Harbor Park Drive
Port Washington, NY 11050
+1 516 484 3600 telephone
+1 888 873 7255 toll free US

Portsmouth - UK
+44 (0)23 9230 3303 telephone
+44 (0)23 9230 2507 fax
BioPharmUK@europe.pall.com e-mail
processuk@pall.com e-mail

Beijing - China
+86 10 87696388 telephone
+86 10 87691787 fax
pcnhsinfo@pall.com e-mail

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