

Pall Advanta™ Jacketed Housings

T-Style and In-Line Housings with Jacket for Temperature Control



Top: T-Line Style Filter Housing
Bottom: In-Line Style Filter Housing



Jacketed Filter Housings are fabricated with either T-Type or In-Line flow designs and AB style Code 7 fitting configurations for single open-ended (SOE) sanitary AB style filter cartridges. They offer the added feature of a 316L stainless steel jacket for temperature control using hot water or steam, and are suitable for gas service or liquid flows to 20 gal/min (75 L/min) with minimal pressure drops.

Features and Benefits

- Corrosion resistant 316 L Stainless steel jacket for temperature control
- In-Line or T-Type flow designs
- Entire housing electropolished
- Internal surfaces with $\leq 0.4 \mu\text{m}$ ($\leq 15 \mu\text{in.}$) Ra surface finish
- External surfaces with $\leq 0.8 \mu\text{m}$ ($\leq 32 \mu\text{in.}$) Ra surface finish
- Low hold-up volume — maximizes product recovery
- Easy-draining features, including downward sloping internal contour and low-point drain — allows easy removal of CIP solution or product
- Fewer welds — results in an extremely sanitary design
- Automated orbital welding — produces consistent high quality welds
- Non-rotating vent and drain — prevent twisted hoses and allow hard piping
- Manufactured for use in conformance with cGMP
- 3-A Sanitary Standard Symbol for optimized CIP/cleanable design
- Manufacturing Quality System Certified to ISO 9000 Standards

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Technical Specifications

Materials of Construction

Housing	316L Stainless Steel
Design Pressure and Temperature	10 barg at 140 °C (150 psig at 284 °F) Jacket: 4.9 barg at 140 °C (72 psig at 284 °F)
Nominal Diameter	114.5 mm (4½ in.)
Number of Cartridges	1
Cartridge Style	AB Code 7
Inlet and Outlet Connections	1½ in Sanitary coupling Jacket: ½ in. NPT
Standard Gasket O-ring Material	Ethylene Propylene
Legs and Support	ALT: Stand available ALI: None
Closure Style	Vee-band clamp
Flow Configuration	ALT: Tee ALI: In-Line

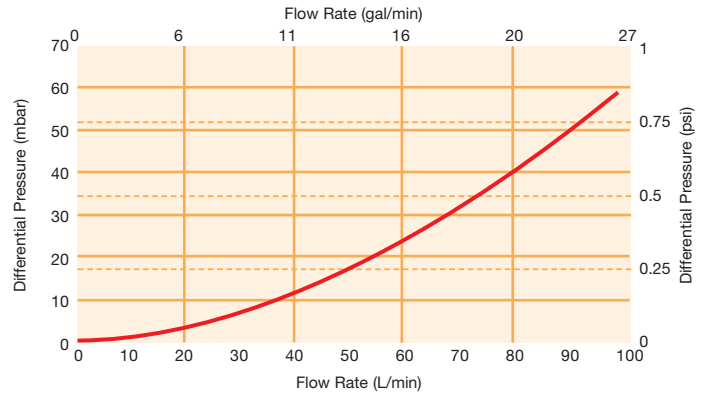
Operating Conditions

Maximum Operating Pressure	-1 ⁽¹⁾ to 10 barg (-14.5 ⁽¹⁾ to 150 ⁽²⁾ psig)
Maximum Operating Temperature	150 °C (300 °F)

⁽¹⁾ Full vacuum.

⁽²⁾ With compatible fluids, which do not soften, swell or adversely affect the gasket materials.

Typical Water Flow Rates⁽³⁾



Ordering Information

ALT1



J23

ALI1



J23L

Code	Cartridge Type
1	AB1 code 7
2	AB2 code 7
3	AB3 code 7
4	AB4 code 7



Code	Vent
A	Sanitary valve with quick-release coupling
B	Sanitary valve with 8 mm (0.314 in.) hosetail
C	1½ in. Sanitary flange connection to ISO2852
D	½ in. Sanitary coupling
N	None



H4



H4

Code	Drain
B	Sanitary valve with 8 mm (0.314 in.) hosetail
D	½ in. sanitary coupling
N	None