

Gaskleen® Sealed-In-Line Filter Assembly

Description

The Gaskleen Sealed-In-Line filter assembly is specifically designed for ≥ 3 nanometer filtration of processes with flow rates up to 200 scfm.

- 316L stainless steel electropolished housing
- Emflon® PF filter cartridge
- 100% integrity tested
- Cleanroom manufactured and packaged
- 100% helium leak tested
- CE marked in accordance with PED 97/23/EC

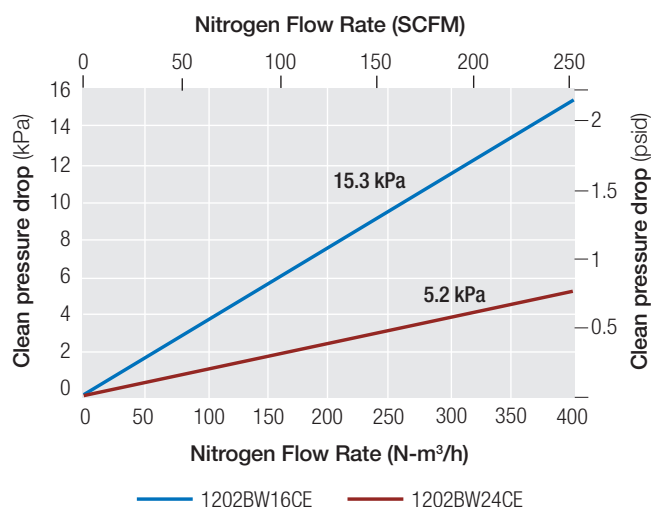
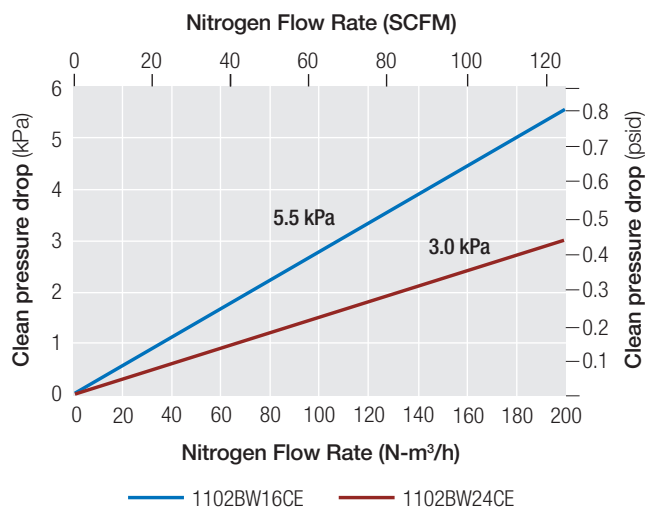
Specifications

Materials	<ul style="list-style-type: none"> • Electropolished 316L stainless steel housing • 0.25 μm Ra / 10 μin internal surface finish • Housing material meets or exceeds VIM / VAR specifications • Medium: PTFE • Core, cage, and end caps: PFA 440HP • O-ring: FEP encapsulated fluorocarbon
Removal Rating	<ul style="list-style-type: none"> • ≥ 3 nm
Connections	<ul style="list-style-type: none"> • 1 in butt weld (1.65 mm / 0.065 in wall) • 1½ in butt weld (1.65 mm / 0.065 in wall)
Configurations	<ul style="list-style-type: none"> • Nominal housing diameters: 64 mm (2.5 in), 102 mm (4.0 in), 168 (6.6 in) and 219 mm (8.6 in)
Operating Conditions	<ul style="list-style-type: none"> • Maximum operating pressure: 1.89 MPa @ 80°C / 275 psig @ 176°F • Maximum operating temperature: • Maximum forward differential pressure: 0.55 MPa @ 50°C / 80 psid @ 120°F 0.35 MPa @ 80°C / 50 psid @ 176°F • Maximum reverse differential pressure: 0.34 MPa @ 21°C / 50 psid @ 70°F

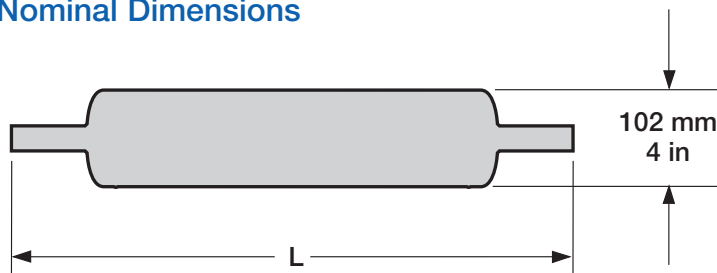


Leak Rating	<ul style="list-style-type: none"> • 100% helium leak tested to 10^{-7} atm-cm³/s • Design tested to 2×10^{-11} atm-cm³/s
Packaging	<ul style="list-style-type: none"> • Double bagged Outer bag: aluminized mylar Inner bag: polyethylene • N₂ purged

Pressure Drop vs. Gas Flow Rate



Nominal Dimensions



Part Numbers / Ordering Information

Part Number	Description	Nominal Length (L) (mm/in)
SILPF1102BW16CE	1 in butt weld 10 μm / 0.25 μm R _a	574 / 22.59
SILPF1102BW24CE	1½ in butt weld 10 μm / 0.25 μm R _a	572 / 22.53
SILPF1202BW16CE	1 in butt weld 10 μm / 0.25 μm R _a	829 / 32.65
SILPF1202BW24CE	1½ in butt weld 10 μm / 0.25 μm R _a	828 / 32.59

Unit conversion: 1 bar = 100 kilopascals



Pall Corporation

Microelectronics

25 Harbor Park Drive
Port Washington, NY 11050
+1 516 484 3600 telephone
+1 800 360 7255 toll free US

Visit us on the Web at www.pall.com/micro

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