

Description

The PSP Sealed-In-Line Series filter assemblies are specifically designed for filtration of gas processes with high flow rates.

Features & Benefits

- All stainless steel construction
- High particle retention
- Very high flow rates with low differential pressure
- High temperature and pressure capabilities
- Excellent gas displacement and desorption characteristics
- 100% integrity tested
- Clean room manufactured and packaged



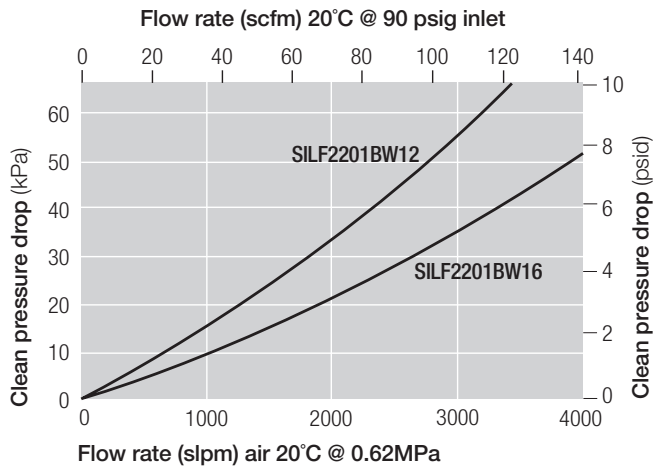
Specifications

Materials	Medium: 316L stainless steel
	Housing: electropolished 316L SS
	< 0.25 μm / 10 μin Ra internal surface finish
Removal Rating¹	1:1 (Cr/Fe) chromium enriched internal surface chemistry
	Housing meets or exceeds VIM / VAR specifications
Connections	1/2" up to 4" buttweld (other fittings available upon request)
Configurations	Nominal housing diameters: 64 mm (2.5 in), 102 mm (4.0 in), 168 (6.6 in) and 219 mm (8.6 in)
Preconditioning	Factory preconditioned with purified N ₂

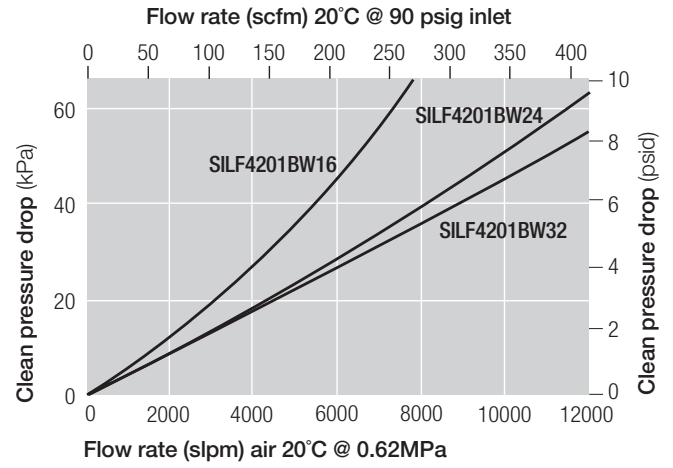
Maximum Operating Pressure	1.72 MPa @ 93 °C / 250 psig @ 200 °F
Maximum Allowable Forward Differential Pressure	0.69 MPa @ 20 °C / 100 psid @ 68 °F
Maximum Allowable Reverse Differential Pressure	0.34 MPa @ 20 °C / 50 psid @ 68 °F
Certifications	EU Pressure Equipment Directive: Assemblies comply with the European Union's Pressure Equipment Directive 2014/68/EU and are CE marked ASME: 168 mm (6.6 in) and 219 mm (8.6 in) diameter assemblies are designed, manufactured and stamped in accordance with the ASME Code
Leak Rating	100% helium leak tested to 1 x 10 ⁻⁹ atm-cm ³ /s

¹ Particle rating based on laboratory testing with NaCl aerosol.

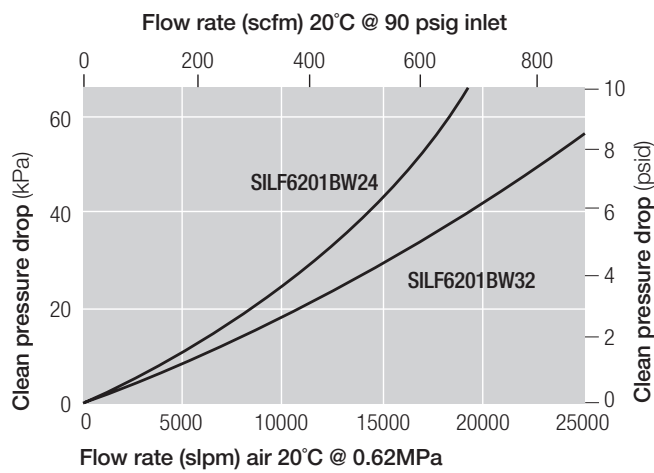
Pressure Drop vs. Gas Flow Rate



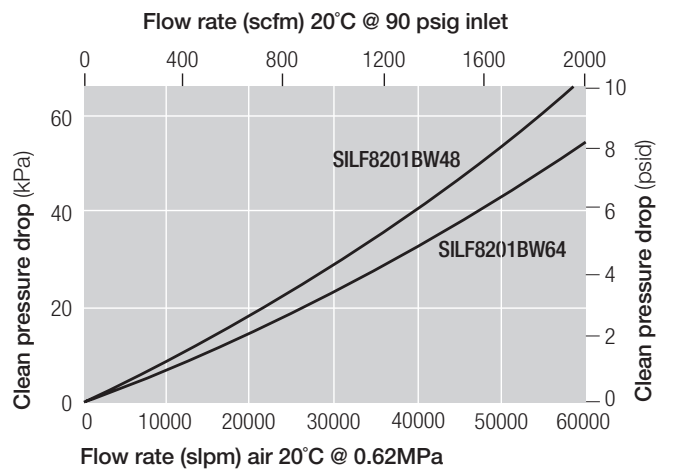
SILF2



SILF4

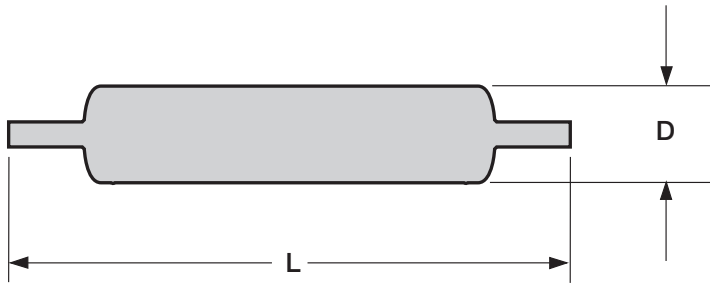


SILF6



SILF8

Dimensions



Part Numbers / Ordering Information

Part Number	Description	Nominal Diameter (D) (mm/in)	Nominal Length (L) (mm/in)
SILF2201BW12	22" tube, 3/4" butt weld	64 / 2.5	781 / 30.8
SILF2201BW16	22" tube, 1" butt weld	64 / 2.5	781 / 30.8
SILF4201BW16	22" tube, 1" butt weld	102 / 4.0	826 / 32.5
SILF4201BW24	22" tube, 1 1/2" butt weld	102 / 4.0	826 / 32.5
SILF4201BW32	22" tube, 2" butt weld	102 / 4.0	826 / 32.5
SILF6201BW24	22" tube, 1 1/2" butt weld	168 / 6.6	864 / 34.0
SILF6201BW32	22" tube, 2" butt weld	168 / 6.6	864 / 34.0
SILF8201BW48	22" tube, 3" butt weld	219 / 8.6	864 / 34.0
SILF8201BW64	22" tube, 4" butt weld	219 / 8.6	864 / 34.0



Microelectronics

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

Nihon Pall Ltd.

6-5-1, Nishishinjuku,
Shinjuku-ku
Tokyo 163-1325 Japan
+81 3 6901 5700 telephone
+81 3 5322 2109 fax

Visit us on the Web at www.pall.com/microelectronics
Contact us at www.pall.com/contact

Pall Corporation has offices and plants throughout the world. To locate the Pall office or distributor nearest you, visit www.pall.com/contact.

The information provided in this literature was reviewed for accuracy at the time of publication. Product data may be subject to change without notice. For current information consult your local Pall distributor or contact Pall directly.

IF APPLICABLE Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

© Copyright 2022, Pall Corporation. PALL, , are trademarks of Pall Corporation.
® Indicates a trademark registered in the USA.