




Sinterflo® P




Cylindrical Sintered Metal Powder Filter Cartridges

This datasheet applies to the following product part numbers for the Sinterflo® P cylindrical sintered metal powder filter cartridges:

- 
 - **Sinterflo P DOEC-XXXX-XX-XXX:**
Double open ended fitting
1" (26mm) internal diameter

- 
 - **Sinterflo P 222C-XXXX-XX-XXX:**
222 fitting
1.2" (30mm) internal diameter

- 
 - **Sinterflo P 226C-XXXX-XX-XXX:**
226 fitting
1.6" (40mm) internal diameter

- 
 - **Sinterflo P NP1C-XXXX-XX-XXX:**
1" NPT fitting
1" (26mm) internal diameter
- 
 - **Sinterflo P NP5C-XXXX-XX-XXX:**
1.5" NPT fitting
1.5" (38mm) internal diameter
- 
 - **Sinterflo P NP2C-XXXX-XX-XXX:**
2" NPT fitting
1.5" (38mm) internal diameter



Materials of Manufacture

316L stainless steel standard. 304L stainless steel, Inconel® 600, Hastelloy® X and Monel® available on request or by process selection.

Cartridge Dimensions (Nominal)

| | | |
|------------|----------------------|--------------|
| Diameter*: | 2.6" (66mm) standard | |
| Length*: | 05: | 5" (125mm) |
| | 10: | 10" (250mm) |
| | 20: | 20" (498mm) |
| | 30: | 30" (745mm) |
| | 40: | 40" (1012mm) |

* Other diameters and non-standard lengths available on request.

Effective Filtration Area

0.55ft² (0.05m²) per 10" (250mm) cartridge.

Gaskets and O-Rings

EPDM as standard. Nitrile, PFTE, Silicone, Viton® and PFTE coated Viton® available on request or by process selection.

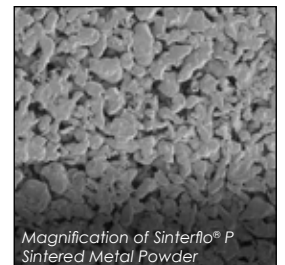
Maximum Differential Pressure*

| | |
|-------------------------|----------------|
| Normal flow direction: | 218psi (15bar) |
| Reverse flow direction: | 145psi (10bar) |

* Grade dependant.

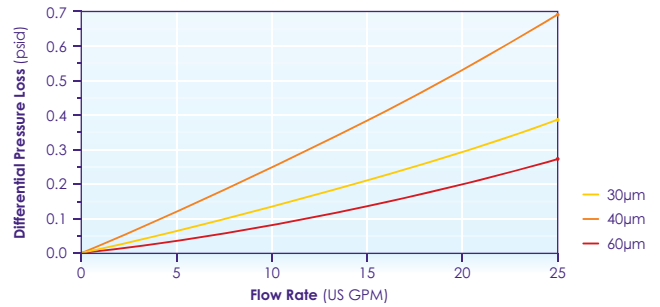
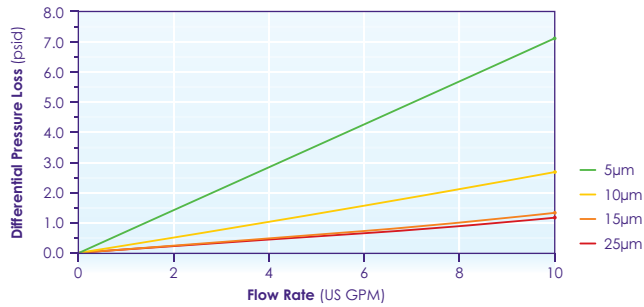
Operating Temperature

Maximum continuous: up to 644°F (340°C) seal limiting
up to 1832°F (1000°C) alloy limiting

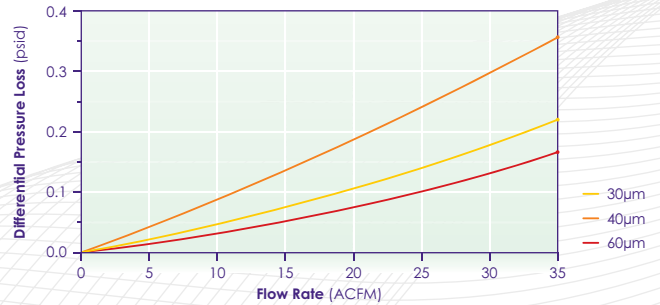
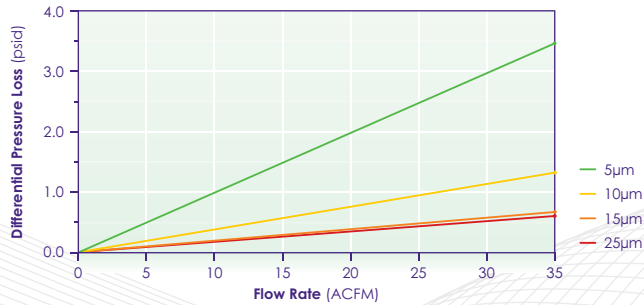


Technical Specifications

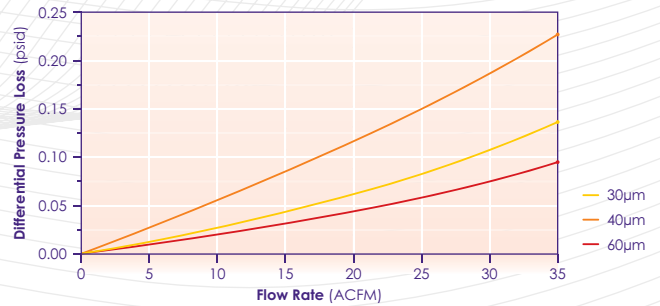
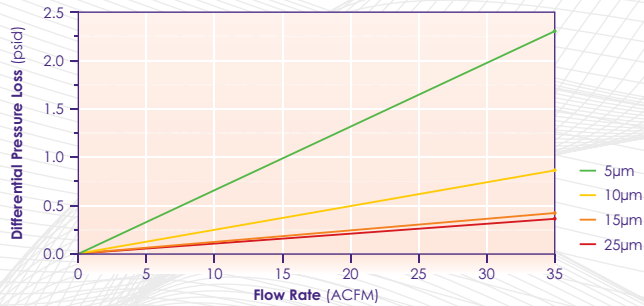
Typical Flow Rates in Water



Typical Flow Rates in Air



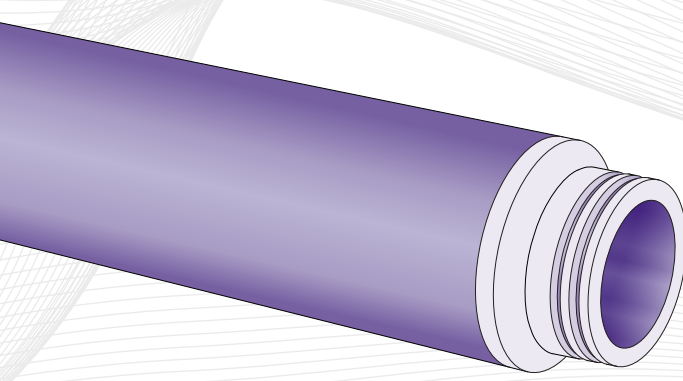
Typical Flow Rates in Steam



Particle Retention Rating

| Micron Rating (micron code) | Liquids Rating* 98.00% (microns) | 99.90% (microns) | Gas Rating 99.99% (microns) |
|-----------------------------|----------------------------------|------------------|-----------------------------|
| 0005 | 4 | 5 | 0.7 |
| 0010 | 7 | 10 | 0.8 |
| 0015 | 9 | 15 | 4 |
| 0025 | 14 | 25 | 5 |
| 0030 | 25 | 30 | 6 |
| 0040 | 20 | 40 | 8 |
| 0060 | 40 | 60 | 15 |

* Single Pass Efficiency Test in accordance with ASTM795 ACFTD.



Porvair Filtration Group Inc.

301 Business Lane
Ashland
Virginia 23005
USA

Tel: +1 804 550 1600

Fax: +1 804 550 3262

Email: infoUS@porvairfiltration.com

www.porvairfiltration.com

Porvair and Sinterflo are registered trademarks of Porvair plc.

Hastelloy is a registered trademark of Haynes International Inc.

Inconel and Monel are registered trademarks of Special Metals Corporation.

Viton is a registered trademark of DuPont Performance Elastomers L.L.C.

© Copyright 2013, Porvair Filtration Group Ltd. All rights reserved.

While every effort has been made to ensure the accuracy of this document, due to continuous product development, the data contained is subject to constant revision and Porvair Filtration Group Ltd. reserves the right to change, alter or modify its contents.