

Flusint Powder

Cylindrical Sintered Metal Powder Filter elements



Main characteristics

Primarily produced from 316L grade powder, however other stainless steel grades and powder alloys such as Inconel®, Hastelloy® and Monel® are available, depending upon the requirements of the operating conditions.

These materials offer resistance to most chemicals and can be used in temperatures up to 1000°C (1832°F).

Our isostatic pressing ensures greater media uniformity with no welds, leading to increased corrosion resistance.

Typical application

- Catalyst recovery and retention
- Polymer melt
- Chemical production
- Steam filtration
- Culinary steam
- Process steam
- Liquids and liquid backwash

Feature and Benefits

- Extremely robust construction.
- Smooth surface finish preferable for back wash applications.
- Self supporting construction eliminating the need for additional hardware.
- Isostatic pressed, robust construction.
- Broad range of fixed, uniform pore sizes.
- Ability to withstand varying process conditions.
- Available in 316L stainless steel as standard with other alloys such as 304L stainless steel, 904L stainless steel, 310 stainless steel, Inconel®, Hastelloy® and Monel® on request, as well as sintered powdered bronze.

Specifications

Materials of Manufacture

316L stainless steel standard. 304L stainless steel, Inconel®, Hastelloy®, Monel® on request or by process selection. Additional alloys are available on request.

Element Dimensions*

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

* Other diameters and lengths available on request.

Effective Filtration Area

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

Gaskets and O-Rings*

EPDM as standard. Chemraz®, nitrile, PTFE, silicone, Viton®, FEP coated EPDM, FEP coated silicone, FEP coated Viton® available on request or by process selection.

* FDA approved seals are available.

Typical Maximum Differential Pressure* (all lengths)

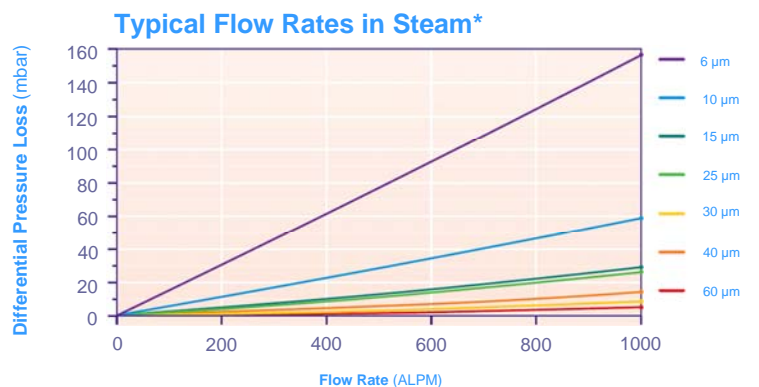
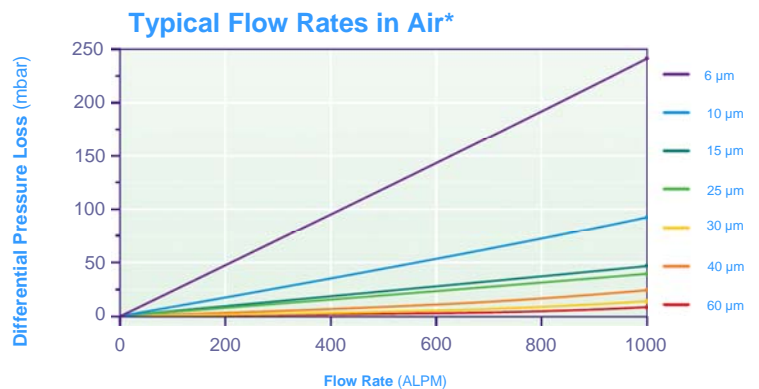
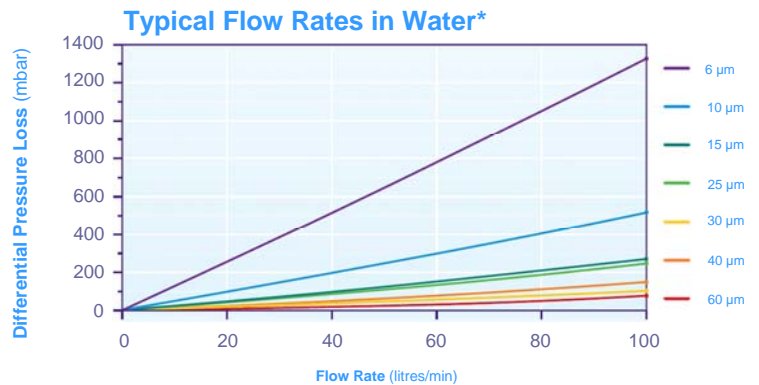
Normal flow direction: 25bar (363psi)

Reverse flow direction: 10bar (145psi)

* Grade dependant.

Operating Temperature

Maximum continuous: From -195°C (-319°F) to 340°C (644°F) seal limiting.
From -269°C (-452°F) to 1000°C (1832°F) alloy limiting.



Stainless Steel Grades	Micron Rating µm micron code	Liquids µm*		Gases µm	
		99,9% efficiency	99,9% efficiency	99,9% efficiency	99,9% efficiency
S10	6 [0006]	6	0.7		
S20	10 [0010]	10	0.8		
S30	15 [0015]	15	4		
S36	25 [0025]	25	5		
S40	30 [0030]	30	6		
S41	40 [0040]	40	8		
S50	60 [0060]	60	15		

* Single Pass Efficiency Test in accordance with ASTM795 ACFTD.

FLUSINT SINTERED POWDER CARTRIDGES' ORDERING CODE

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CODE	MICRON RATING μm
6	0006
10	0010
15	0015
25	0025
30	0030
40	0040
60	0060

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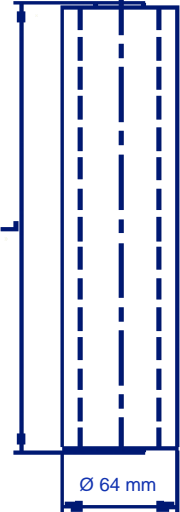
FLUSINT POWDER CARTRIDGES IDENTIFICATION

NOMINAL HEIGHT L	CODE
250 mm	9.75
500 mm	20
750 mm	30
1000 mm	40

9.75

E

CODE	GASKETS MATERIAL
E	EPDM
S	SILICONE
N	NITRILE
V	VITON
P	PTFE
X	SPECIALE



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