



# FLUXA

**Fluxa  
Filtri  
S.p.A.**

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## **FLUSINT SINTERED POWDER CARTRIDGES**

### **MAIN CHARACTERISTICS**

The filter cartridges are produced by high temperature sintering of metal powder in AISI 316L of carefully controlled size.

Maximum working temperature 500°C according to gasket material.

High porosity up to 50%; Test accuracy :  $\pm 10\%$ .

Gaskets : Buna N, asbestos free, silicone, PTFE or viton upon request.

Maximum differential pressure is up to 5 bar.

Available reinforced and special filter elements with single open ending.

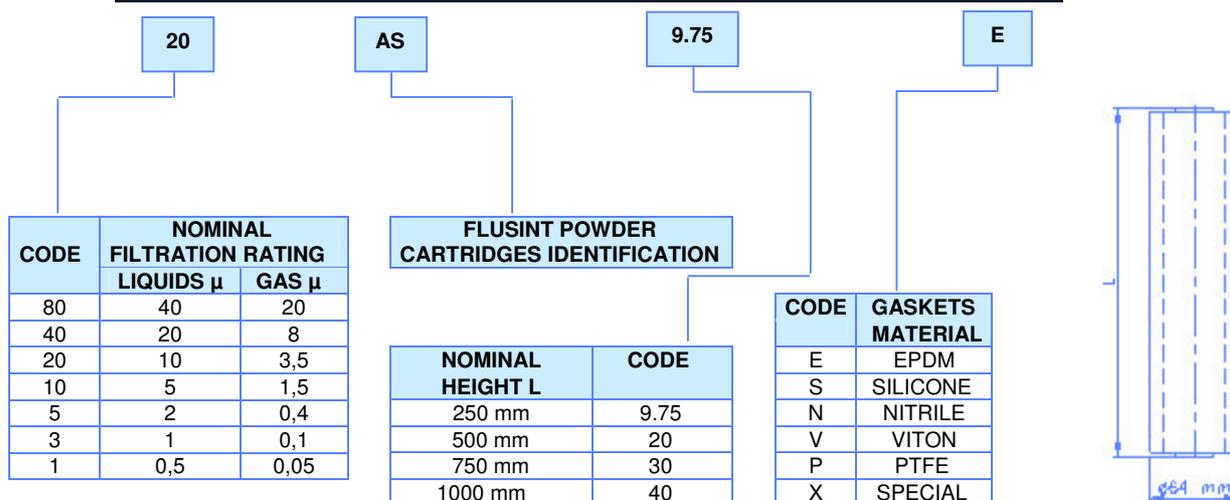
Available upon request filter elements in other porous materials: Hastelloy<sup>®</sup>, Inconel<sup>®</sup>, Monel<sup>®</sup>.

\*2mm sintered metal sheet is bended to cylindrical shape and welded with high standard process.

### **MAIN APPLICATIONS**

- Steam filtration
- Liquid and gas filtration
- Catalysts Powders recovery
- Precoat support filtration

## FLUSINT SINTERED POWDER CARTRIDGES' ORDERING CODE



CODE	NOMINAL FILTRATION RATING	
	LIQUIDS $\mu$	GAS $\mu$
80	40	20
40	20	8
20	10	3,5
10	5	1,5
5	2	0,4
3	1	0,1
1	0,5	0,05

### FLUSINT POWDER CARTRIDGES IDENTIFICATION

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

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

## TECHNICAL SPECIFICATIONS

### APPROXIMATE FLOW RATE WITH NOMINAL HEIGHT 250 mm

IDENTIFICATION CODE	WATER ( $\Delta p < 0,2$ bar) l/h	STEAM AT 2 bar g ( $\Delta p < 0,15$ bar) Kg/h	STEAM AT 6 bar g ( $\Delta p < 0,15$ bar) Kg/h	AIR ( $\Delta p < 0,1$ bar) mc/h
40	1500	70	160	40
20	1300	40	90	40
10	1000	20	50	30
5	500	8	20	20
3	300	5	10	15
1	100	3	8	10

HEIGHT L mm	FILTRATION AREA cmq
250	500
500	1000
750	1500
1000	2000

### FLOW RATE WITH VISCOUS FLUIDS

For flow rate and pressure drops with viscous liquids and gas contact Fluxa Filtri engineers.

### CLEANING

- Calcination
- Backwashing with water, solvents, alkali or acids
- Ultrasonic (ask for our technical specifications)

### PRESSURE DROP

- Pressure drops in clean conditions : depending on flow rate, filtration rating and fluid.
- $\Delta p$  recommended max change out : 1,5 bar.
- $\Delta p$  max mechanical collapse (outside/inside) : 5,5 bar

Available upon request reinforced filter elements for high  $\Delta p$  values and/or in different shapes and dimensions as discs, sheets, pipes and couplings.

This type of cartridges are suitable for all type of housings :

Single cartridge metallic housings	(C-02-Leaflet Single Cartridge)
Multi cartridges "FH" series housings	(C-03-Leaflet FH cartridges)
Multi cartridges "M/T" series	(C-04-Leaflet M/T cartridges)
Housings for high and medium flow rates	(C-05-Leaflet PW cartridges)