

FLUSINT FIBERS • LARGE DIAMETER FILTER CARTRIDGES

Leaflet E-23-01-UK



FLUXA

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

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The metallurgic technology known as microfibers sintering makes available filtering media that have got features that not any other media have.

Fiber sintering technology is successfully applicable in the following process conditions:

When fine filtration rating is required and neither screen nor wire mesh may be used.

When high temperature are involved and no other filter media is suitable.

When high fluid viscosity requires a very porous filter media.

When corrosive compounds may etch any other filter media.

Sintered microfibers are shaped in sheets. In order to achieve greater mechanical strength and better drain properties the sintered sheet is sintered itself between two strong enough wire mesh.

With the media above described Fluxa Filtri manufactures the pleated filter cartridges model BKP. Fluxa Filtri provides also cartridges sizing in accordance with customer process data and provides also design and manufacturing of suitable housings.

FLUSINT • MICROFIBERS SINTERED CARTRIDGES

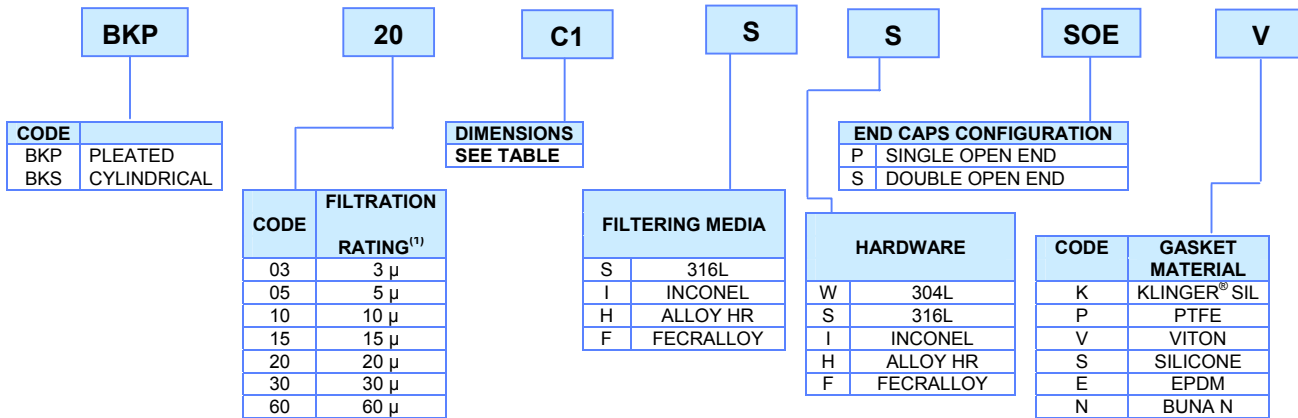
Main characteristics

- Available alloys: AISI 316L, Fecralloy, Inconel, Alloy HR.
- Operating temperature: Up to 1000° C
- Filtration rating: From 1 to 80 micron.
- Porosity: 80% average
- Holding capacity: 3 times sintered power average
2 times wire mesh average
- Both surface and depth filtration.
- High mechanical strength to high pressure drop.

Main applications

- Polyuretanic resins filtration.
- Polymers filtration.
- High temperature liquids filtration.
- Catalysts recover .
- Steam filtration.
- Gas filtration.
- Precoat support.
- Solvents filtration.
- Corrosive compounds filtration.

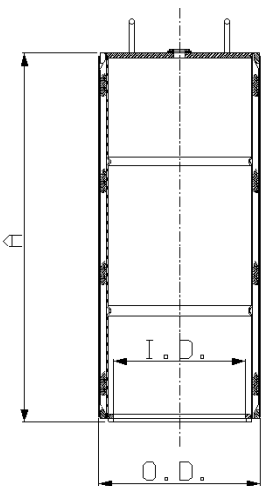
MICROFIBERS SINTERED CARTRIDGES CODE



(1) Filtration rating refers to liquids. For gas filtration rating contact Fluxa Filtri

TECHNICAL SPECIFICATIONS

DIMENSIONS



Flow rates and pressure drops

Because of the variables involved in Pressure drop value determination (filtration rating, viscosity, specific flow rate, velocity in the core) contact Fluxa Filtri for the proper sizing.

BK size	A [mm]	O.D. [mm]	I.D. [mm]	Filtration area ⁽²⁾ [cm ²]
A1	550	267	223	12.700
A2	1100	267	223	25.400
C1	550	240	194	8.470
C2	1100	240	194	16.940
B1	490	178	134	5.900
B2	980	178	134	11.800
E1	550	143	106	8.470
E2	1100	143	106	16.940
D1	490	135	92	5.900
D2	980	135	92	11.800
F1	490	105	65	5.900

(2) Filtration area referred to pleated filter element

Sintered materials max operating temperature

AISI 316L:	380°C
INCONEL:	560°C
ALLOY HR:	600°C
FECRALLOY:	1000°C

Available sintered filtration media materials:

AISI 316L (standard)
T max. 380°C
Not recommended with Cl-Br-F

Inconel 601
T max. 560°C
Not recommended with
HCl – HF – H₂SO₄

Alloy HR
T max. 600°C
Recommended with H₂SO₄

Fecralloy
T max. 1000°C
Recommended with sulphides

HOUSING

Fluxa Filtri is able to design and manufacture almost any kind of pressure vessels. Housings for BKP cartridges are quite always tailored made, this means they are designed and manufactured as for customers specifications.

