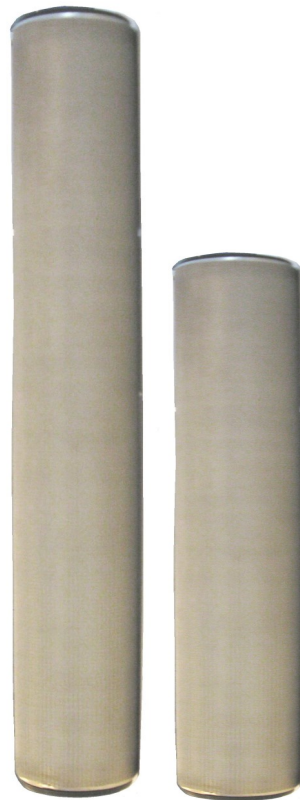


SM series

FILTERING CARTRIDGE
SINTERED WIRE MESH
OD 2.5" (63 mm)

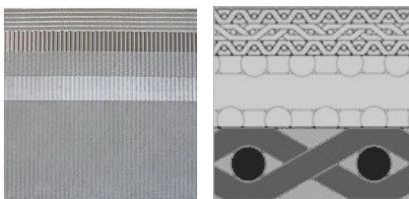


MAIN APPLICATIONS:

- FINE CHEMICAL
- PETROCHEMICAL
- OIL & GAS
- FOOD & BEVERAGE
- POWER GENERATION
- PAINTS AND RESINS
- PHARMACEUTICAL
- MICROELECTRONIC
- GENERAL INDUSTRY

CHARACTERISTICS:

- High mechanical strength
- High temperature resistance
- Excellent chemical compatibility
- Five sintered wire mesh layers construction
- Self-supporting construction
- Back-washable
- No media migration
- Filtration direction from outside to inside
- Twelve end cap configurations available
- Two different construction material available
- Suitable for both liquid and gas filtration
- 1935/2004/CE certification available upon request
- Filtration rating from 2 to 250 μm



- 1 - Protection mesh
- 2 - Filtering mesh
- 3 - Drain/diffusion mesh
- 4 - Support mesh
- 5 - Support mesh



Brochure no.: 024-SM-22-UK-4

ASCO FILTRI

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SM series

**FILTERING CARTRIDGE
SINTERED WIRE MESH
OD 2.5" (63 mm)**

TECHNICAL DATA

DIFFERENTIAL PRESSURE

Cartridge replacement:
2.0 bar @ 25 °C
Max. allowable:
8.0 bar @ 360 °C

CONSTRUCTION MATERIAL

Filter media:

- 304 SS
- 316 SS

Gaskets:

- Buna-n max. 120 °C
- EPDM max. 120 °C
- Viton max. 230 °C
- Silicone max. 230 °C
- FEP max. 250 °C
- PTFE max. 250 °C
- KlingerSil max. 360 °C

DIMENSIONS

External diameter:

2.5" (63 mm)

1" (25 mm)

Internal diameter:

OD 63 mm version

1.0" (26 mm)

1.4" (36 mm) (only cod. 9)

OD 25 mm version

0.75" (19 mm)

Length:

10", 20", 30", 40", 50", 60"

FILTERING AREA

OD 63 mm 0.05 m² x 10"

OD 25 mm 0.02 m² x 10"

Flow-rate / Delta-P data:

Filtration (µm)	Liquids			Air 0.018 cP	Steam 2 bar	Steam 6 bar
	1 cP	25 cP	70 cP		0.013 cP	0.012 cP
2	0.5	0.31	0.12	10	15	30
5	1.2	0.65	0.25	25	55	70
10	1.7	0.96	0.35	25	60	100
15	2.0	1.1	0.4	25	60	120
25	2.5	1.35	0.5	30	70	120
50	2.5	1.4	0.55	40	80	130
≥ 75	2.5	1.5	0.6	40	80	130

Liquid flow-rate (m³/h) - Air flow-rate (Am³/h) - Steam flow-rate (kg/h) - Clean Delta-P 0.1 bar.
Flow-rate data valid for 10" long cartridge, OD 60 and 64 mm. For different diameter contact Asco Filtri.
For gas different than air: DP = 0.1 x gas viscosity (cP) / 0.018 cP (air).
Flow-rate valid for clean water and air, reduce the flow-rate according to the application.

Filtration efficiency:

Filtration (µm)	Liquids (µm)		Gas (µm)	
	98%	99.9%	98%	99.9%
2	2	5	1	3
5	5	10	3	5
10	10	15	5	8
15	15	20	8	10
25	25	35	15	30
50	50	60	35	50
75	75	90	45	80
100	100	115	85	110
150	150	200	100	170
250	250	300	175	280

Ordering information:

SM	H	C	010	-	10	S	0	T
Construction: H: welded			Length: 05: 5" 10: 10" 20: 20" 30: 30" 40: 40" 50: 50" 60: 60"			End caps: 0: DOE 3: SOE 222 / flat 6: SOE 226 / flat 7: SOE 226 / fin 8: SOE 222 / fin 9: SOE 225 / fin F: flange T0.5: SOE 1/2" Gas-m T1: SOE 1" Gas-m T1.5: SOE 1.1/2" Gas-m N0.5: SOE 1/2" NPTM N1: SOE 1" NPTM N1.5: SOE 1.1/2" NPTM		
Construction: C: cylindrical			Material: W: 304-SS S: 316-SS			Gaskets: N: Buna-N E: EPDM V: Viton S: silicone T: PTFE (only DOE) F: FEP K: KlingerSil (only DOE)		
Diameter: : 63 mm V: 25 mm			Filtration rating: 002: 2 µm 003: 3 µm 005: 5 µm 010: 10 µm 015: 15 µm 025: 25 µm 050: 50 µm 075: 75 µm 100: 100 µm 150: 150 µm 250: 250 µm			Options: : none F: food grade		

Different filtration rating available upon request.

We reserve the right to change the data of this specification without notice.

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