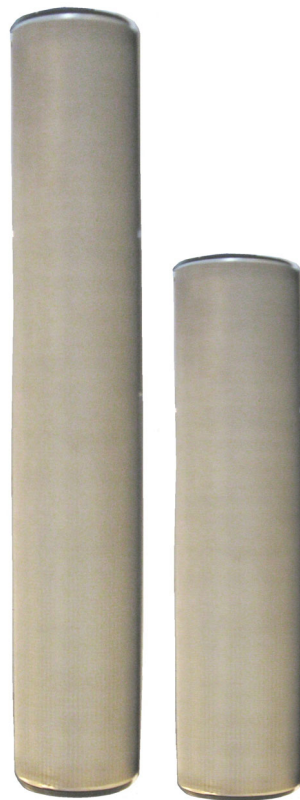


# SM series

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

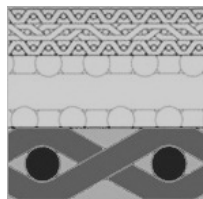
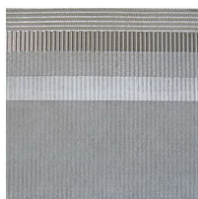


## MAIN APPLICATIONS:

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

## FEATURES:

- 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 materials available
- Suitable for both liquid and gas filtration
- 1935/2004/CE certification available upon request
- Filtration rating from 2 to 250  $\mu\text{m}$



- 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

a **mott** company

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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 m<sup>2</sup> x 10"
- OD 25 mm 0.02 m<sup>2</sup> x 10"

### Flow-rate / Delta-P data:

Filtration (µm)	Liquids			Air 0.018 cP	Steam 2 bar 0.013 cP	Steam 6 bar 0.012 cP
	1 cP	25 cP	70 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 (m<sup>3</sup>/h) - Air flow-rate (Am<sup>3</sup>/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 diameters 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

Contact us for any further information.

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

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