

# SLG Series

FILTERING CARTRIDGES  
PLEATED SINTERED FIBER  
OD 95 - 120 - 140 mm



## MAIN APPLICATIONS:

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

## FEATURES:

- Flow-rate four times higher than conventional wire mesh cartridges
- Dirt holding capacity three times higher than conventional wire mesh cartridges
- High mechanical strength
- High temperature resistance
- 100% stainless steel construction
- Excellent chemical compatibility
- Pleated construction
- Cleanable
- Support wire mesh co-pleating to prevent pleats collapse
- No media migration
- Filtration direction from outside to inside
- Three sizes available
- Crimped assembly without glues or resins
- Suitable for both liquid and gas filtration
- 1935/2004/CE certification available upon request
- Filtration rating from 3 to 60  $\mu\text{m}$



Brochure no. 025A-SLG-22-UK-1

# ASCO FILTRI

a **mott** company

**ASCO Filtri S.p.A.**

Viale delle Scienze, 8

20082 Binasco (MI) - Italy

Phone: +39 02 89703.1

Fax: +39 02 89703.410

E-mail: [info@ascofiltri.com](mailto:info@ascofiltri.com)

Web: [www.ascofiltri.com](http://www.ascofiltri.com)

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**PLEATED SINTERED FIBER**  
**OD 95 - 120 - 140 mm**

## TECHNICAL DATA

### DIFFERENTIAL PRESSURE

*Cartridge replacement:*  
**2.0 bar @ 25 °C**  
*Max. allowable:*  
**5 bar @ 320 °C**

### WORKING TEMPERATURE

*Max. allowable:*  
**320 °C**

### CONSTRUCTION MATERIAL

*Filter media / hardware:*  
**316L-SS**

#### Gaskets:

- Buna-n (max. 120 °C)
- EPDM (max. 120 °C)
- Viton (max. 230 °C)
- Silicone (max. 230 °C)
- PTFE (max. 250 °C)
- KlingerSil (max. 320 °C)
- Graphite (max. 320 °C)

### DIMENSION

#### Size 3:

**OD 95 - ID 52 mm**

#### Size 4:

**OD 120 - ID 80 mm**

#### Size 5:

**OD 140 - ID 106 mm**

#### Length:

**350, 500, 1000 mm**

### FILTERING AREA

**313: 0.56 m<sup>2</sup>**  
**320: 0.71 m<sup>2</sup>**  
**340: 1.45 m<sup>2</sup>**  
**413: 0.56 m<sup>2</sup>**  
**420: 0.92 m<sup>2</sup>**  
**440: 1.85 m<sup>2</sup>**  
**513: 0.74 m<sup>2</sup>**  
**520: 1.08 m<sup>2</sup>**  
**540: 2.20 m<sup>2</sup>**

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

Grade	Size 313		Size 320		Size 340	
	Water	Air	Water	Aria	Water	Air
	1 cP	0.018 cP	1 cP	0.018 cP	1 cP	0.018 cP
03	4.0	120	6.0	160	12.0	190
05	5.5	130	8.5	170	17.0	200
10	7.0	140	10.8	180	21.0	200
20	8.0	140	12.3	180	21.0	200
30	9.0	180	13.8	190	21.0	200
40	10.0	180	15.3	190	21.0	200
60	13.0	180	19.0	190	21.0	200

Filtration rating (µm) @ 98% efficiency		
Grade	Liquid	Gas
03	1	0.3
05	3	0.8
10	5	1
20	10	3
30	20	5
40	30	10
60	45	15

Grade	Size 413		Size 420		Size 440	
	Water	Air	Water	Aria	Water	Air
	1 cP	0.018 cP	1 cP	0.018 cP	1 cP	0.018 cP
03	6.0	250	9.0	350	18.0	400
05	8.2	270	13.0	380	26.0	430
10	10.5	290	16.5	400	33.0	450
20	12.0	290	18.5	400	37.0	450
30	13.5	370	21.0	440	42.0	500
40	15.0	370	23.0	440	46.0	500
60	19.0	370	29.0	440	50.0	500

Grade	Size 513		Size 520		Size 540	
	Water	Air	Water	Aria	Water	Air
	1 cP	0.018 cP	1 cP	0.018 cP	1 cP	0.018 cP
03	8.0	350	16.0	530	32.0	600
05	11.0	380	22.0	580	44.0	650
10	14.0	410	28.0	600	56.0	700
20	16.0	410	32.0	600	64.0	700
30	18.0	520	36.0	650	72.0	850
40	20.0	520	40.0	650	80.0	850
60	25.0	520	50.0	650	89.0	850

Liquid flow-rate (m<sup>3</sup>/h) - Air flow-rate (Am<sup>3</sup>/h) - Clean Delta-P 0.05 bar

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.

### Availability:

	13"	20"	30"	40"
Size 3	X	X		X
Size 4	X	X		X
Size 5	X	X		X

**Contact us for any further information.**

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

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