

WLG Series

FILTERING CARTRIDGES
PLEATED WIRE MESH
OD 95 - 120 - 140 mm



MAIN APPLICATIONS:

- DESALINATION
- WATER TREATMENT
- FINE CHEMICALS
- PETROCHEMICAL
- OIL & GAS
- FOOD & BEVERAGE
- POWER GENERATION
- PAINTS AND RESINS
- PHARMACEUTICAL
- HYDRAULIC
- STEEL MILL
- GENERAL INDUSTRIES

FEATURES:

- High flow-rate
- High mechanical strength
- High temperature resistance
- 100% stainless steel construction
- Excellent chemical compatibility
- Pleated construction
- Support drain mesh construction to prevent pleat collapse
- Cleanable
- 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 5 to 1000 μm

ASCO

FILTRI

a **mott** company



Brochure no.: 022A-WLG-22-UK-2

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

Web: www.ascofiltri.com

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TECHNICAL DATA

DIFFERENTIAL PRESSURE

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

WORKING TEMPERATURE

Max. allowable:
320 °C

CONSTRUCTION MATERIALS

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)

DIMENSIONS

Size 3:

OD 95 - ID 52 mm

Size 4:

OD 120 - ID 80 mm

Size 5:

OD 140 - ID 106 mm

Length:

350, 500, 750, 1000 mm

FILTERING AREA

- 313: 0.30 m²**
- 320: 0.43 m²**
- 330: 0.60 m²**
- 340: 0.86 m²**
- 413: 0.40 m²**
- 420: 0.57 m²**
- 430: 0.80 m²**
- 440: 1.04 m²**
- 520: 0.96 m²**
- 530: 1.44 m²**
- 540: 1.92 m²**

Flow-rate / Delta-P data:

Filtration (µm)	Size 313		Size 320		Size 330		Size 340	
	Water	Air	Water	Air	Water	Air	Water	Air
	1 cP	0.018 cP	1 cP	0.018 cP	1 cP	0.018 cP	1 cP	0.018 cP
10	3.1	75	4.7	110	7.0	170	9.3	200
25	5.0	75	7.4	110	11.1	170	14.8	200
45	7.0	90	10.0	130	15.0	200	20.0	200
75	8.0	100	11.1	150	16.7	200	22.0	200
100	9.0	100	12.8	150	19.2	200	23.0	200
150	10.0	100	14.2	150	21.3	200	23.0	200
≥ 250	13.5	100	19.2	150	23.0	200	23.0	200

Filtration (µm)	Size 413		Size 420		Size 430		Size 440	
	Water	Air	Water	Air	Water	Air	Water	Air
	1 cP	0.018 cP	1 cP	0.018 cP	1 cP	0.018 cP	1 cP	0.018 cP
10	4.1	115	5.9	170	9.0	260	12.0	350
25	6.0	115	8.6	170	12.9	260	17.2	350
45	9.0	130	12.9	190	19.4	290	26.0	390
75	10.0	150	14.2	220	21.3	330	28.4	440
100	11.0	180	15.7	260	23.6	390	31.0	440
150	13.0	200	18.6	300	27.9	450	37.2	460
≥ 250	17.0	200	24.2	300	36.3	450	48.4	460

Filtration (µm)	Size 520		Size 530		Size 540	
	Water	Air	Water	Air	Water	Air
	1 cP	0.018 cP	1 cP	0.018 cP	1 cP	0.018 cP
10	20.0	250	30.0	400	40.0	500
25	26.0	300	40.0	450	60.0	550
45	30.0	300	50.0	450	70.0	550
75	30.0	350	55.0	500	75.0	600
100	35.0	400	60.0	550	80.0	650
150	40.0	450	70.0	550	85.0	650
≥ 250	40.0	500	70.0	600	85.0	650

Liquid flow-rate (m³/h) - Air flow-rate (Am³/h) - Clean Delta-P 0.1 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	X
Size 4	X	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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