



#### CHARACTERISTICS:

- 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



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

# WLG Series

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

#### MAIN APPLICATIONS:

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

# ASCO FILTRI

a **mott** company

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# WLG Series

**FILTERING CARTRIDGES**  
**PLEATED WIRE MESH**  
**DIAMETER 95 -120 - 140 mm**

## 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 m<sup>2</sup>**  
**320: 0.43 m<sup>2</sup>**  
**330: 0.60 m<sup>2</sup>**  
**340: 0.86 m<sup>2</sup>**  
**413: 0.40 m<sup>2</sup>**  
**420: 0.57 m<sup>2</sup>**  
**430: 0.80 m<sup>2</sup>**  
**440: 1.04 m<sup>2</sup>**  
**520: 0.96 m<sup>2</sup>**  
**530: 1.44 m<sup>2</sup>**  
**540: 1.92 m<sup>2</sup>**

### 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 (m<sup>3</sup>/h) - Air flow-rate (Am<sup>3</sup>/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

### Ordering information:

WL	G	P	0025	-	5	40	S	O	E
<b>Construction:</b> G: crimped			<b>Diameter:</b> 3: OD 95 mm 4: OD 120 mm 5: OD 140 mm			<b>End caps:</b> O: DOE			
<b>Type:</b> P: pleated			<b>Length:</b> 13: 350 mm 20: 500 mm 30: 750 mm 40: 1000 mm			<b>Gaskets:</b> N: Buna-N E: EPDM S: silicone T: PTFE K: KlingerSil G: graphite			
<b>Filtration rating:</b> 0005: 5 µm    0150: 150 µm 0010: 10 µm    0250: 250 µm 0015: 15 µm    0350: 350 µm 0025: 25 µm    0500: 500 µm 0045: 45 µm    0750: 750 µm 0075: 75 µm    1000: 1000 µm 0100: 100 µm			<b>Material:</b> S: 316L-SS			<b>Options:</b> : none F: food grade			
Other rating available upon request									

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

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