

WL series

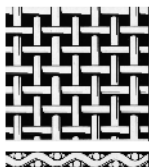
FILTERING CARTRIDGE
WIRE MESH - CLEANABLE
OD 3.74"-4.72" (95-120 mm)



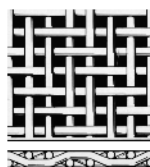
CHARACTERISTICS:

- High flow-rate
- High mechanical strength
- High temperature resistance
- Excellent chemical compatibility
- Pleated construction
- Support drain mesh construction to prevent pleat collapse
- Cleanable
- No media migration
- Filtration direction from outside to inside
- Three type available
- Two construction materials available
- Two assembly technologies available
- Suitable for both liquid and gas filtration
- 1935/2004/CE certification available upon request (*only WLHP*)
- Filtration rating from 5 to 1000 μm

ADOPTED MESH:



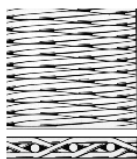
Square mesh



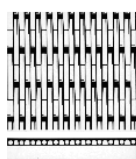
Twilled woven cloth



Reps



Touraille



Vertical Touraille



MAIN APPLICATIONS:

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

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FILTERING CARTRIDGE
WIRE MESH - CLEANABLE
OD 3.74"-4.72" (95-120 mm)

TECHNICAL DATA

DIFFERENTIAL PRESSURE

Cartridge replacement:

2.0 bar @ 25 °C

Max. allowable:

3 bar @ 25 °C (epoxy glued)

8 bar @ 360 °C (welded)

MAX. WORKING TEMPERATURE

120 °C (epoxy glued)

360 °C (welded)

CONSTRUCTION MATERIALS

Filter media / hardware:

- 304 SS

- 316 SS

Gaskets:

- Buna-n

- EPDM

- Viton

- Silicone

- PTFE

- Klingersil

DIMENSIONS

Type 2:

OD 70 - ID 40 mm

Type 3:

OD 95 - ID 52 mm

Type 4:

OD 120 - ID 80 mm

Length:

350, 500, 750 mm

FILTERING AREA

210: 0.20 m²

220: 0.40 m²

313: 0.30 m²

320: 0.43 m²

330: 0.60 m²

413: 0.40 m²

420: 0.57 m²

430: 0.80 m²

Flow-rate / Delta-P data:

Filtration (µm)	Size 210		Size 220		Size 313		Size 320		Size 330	
	Water	Air	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	1 cP	0.018 cP
10	1.9	180	3.0	280	3.1	600	4.3	750	6.5	1500
25	2.3	260	3.6	400	5.0	600	7.0	750	10.5	1500
45	2.8	320	4.3	490	7.0	700	9.8	900	14.7	1800
75	2.8	320	4.3	490	8.0	800	11.2	1000	16.8	2000
100	2.8	360	4.3	490	9.0	800	12.6	1000	18.9	2000
150	3.5	400	5.4	600	10.0	800	14.0	1000	21.0	2000
≥ 250	3.5	400	5.5	600	13.0	800	18.2	1000	27.3	2000

Filtration (µm)	Size 413		Size 420		Size 430	
	Water	Air	Water	Air	Water	Air
	1 cP	0.018 cP	1 cP	0.018 cP	1 cP	0.018 cP
10	4.0	900	5.6	1100	11.8	2200
25	6.0	900	8.4	1100	12.6	2200
45	9.0	1000	12.6	1300	18.9	2600
75	10.0	1200	14.0	1500	21.0	3000
100	11.0	1200	15.4	1500	23.1	3000
150	13.0	1200	18.2	1500	27.3	3000
≥ 250	17.0	1200	23.8	1500	35.7	3000

Liquid flow-rate (m³/h) - Air flow-rate (Nm³/h @ 7 barg) - Clean Delta-P 0.1 bar

For gas different than air: DP = 0.1 x gas viscosity (cP) / 0.018 cP (air).

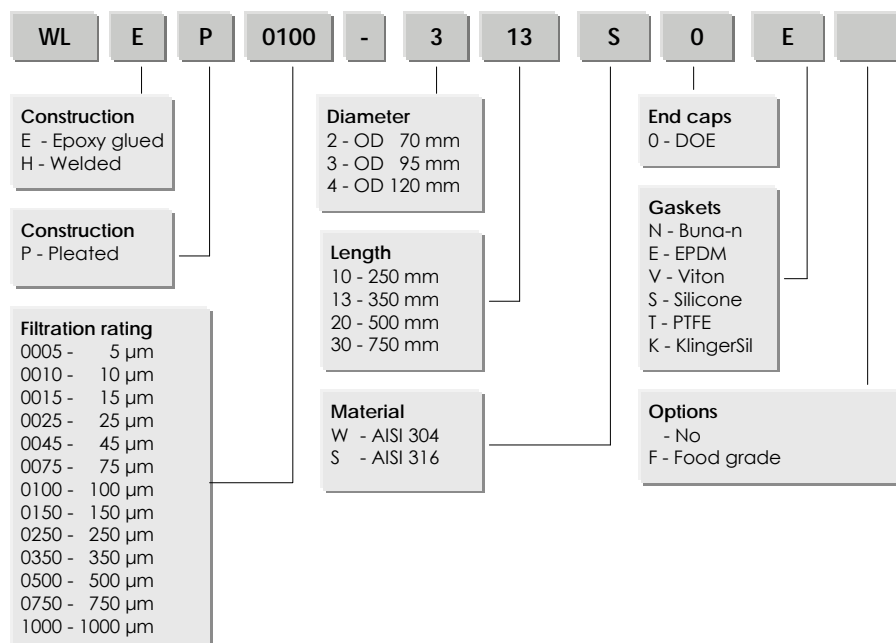
Flow-rate valid for clean water and air, reduce the flow-rate according to the application.

Gaskets temperature limitation:

EPDM	120 °C	Viton	230 °C	PTFE	250 °C	FEP	250 °C
Buna-n	120 °C	Silicone	230 °C	Klingersil	360 °C		

Working temperature is limited from installed gaskets.

Ordering information:



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

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