

# WMH series

FILTERING CARTRIDGES  
PLEATED WIRE MESH  
HIGH FLOW-RATE



## MAIN APPLICATIONS:

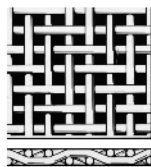
- FINE CHEMICAL
- PETROCHEMICAL
- OIL & GAS
- POWER GENERATION
- HYDRAULIC
- STEEL MILL
- FOOD & BEVERAGE
- PHARMACEUTICAL
- GENERAL INDUSTRY

## CHARACTERISTICS:

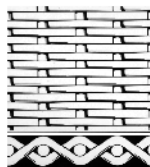
- High flow-rate
- High mechanical strength
- High temperature resistance
- Fully welded construction
- Excellent chemical compatibility
- Pleated construction
- Support drain mesh construction to prevent pleat collapse
- Cleanable
- No media migration
- Pre-washed version available upon request
- High dirt holding capacity
- Very low initial Delta-P
- Filtration direction from outside to inside or inside to outside
- Two different construction material available
- Suitable for both liquid and gas filtration
- Filtration rating from 5 to 1000  $\mu\text{m}$
- Custom design solution available



Square mesh

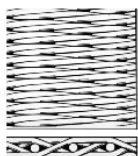


Twilled woven cloth

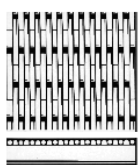


Reps

## ADOPTED MESH:



Touraille



Vertical Touraille

# ASCO FILTRI

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: [asco@ascofiltri.com](mailto:asco@ascofiltri.com)

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

# WMH series

**FILTERING CARTRIDGES**  
**PLEATED WIRE MESH**  
**HIGH FLOW-RATE**

## TECHNICAL DATA

### DIFFERENTIAL PRESSURE

*Cartridge replacement:*

1.0 bar @ 25 °C

*Max. allowable:*

3.0 bar @ 25 °C

### WORKING TEMPERATURE

360 °C

### CONSTRUCTION MATERIAL

*Filter media:*

- 304 SS

- 316L SS

*Hardware:*

- 304 SS

- 316L SS

*Gaskets:*

- Buna-n

- EPDM

- Viton

- Silicone

- PTFE

- Soft PTFE

- KlingerSil

### DIMENSIONS

*OD / ID x H:*

F1: 105/65 x 490 mm

F2: 105/65 x 1000 mm

D1: 135/92 x 490 mm

D2: 135/92 x 1000 mm

H1: 143/106 x 490 mm

H2: 143/106 x 1000 mm

B1: 178/134 x 490 mm

B2: 178/134 x 1000 mm

C1: 240/194 x 550 mm

C2: 240/194 x 1000 mm

A1: 267/223 x 550 mm

A2: 267/223 x 1000 mm

*(different size upon request)*

### FILTERING AREA

F1: 0.69 m<sup>2</sup> - F2: 1.38 m<sup>2</sup>

D1: 0.91 m<sup>2</sup> - D2: 1.82 m<sup>2</sup>

H1: 0.97 m<sup>2</sup> - H2: 1.94 m<sup>2</sup>

B1: 1.20 m<sup>2</sup> - B2: 2.40 m<sup>2</sup>

C1: 1.83 m<sup>2</sup> - C2: 3.66 m<sup>2</sup>

A1: 2.04 m<sup>2</sup> - A2: 4.08 m<sup>2</sup>

*(different filter area upon request)*

### Max. Allowable flow-rate:

Liquids (cP 1.0)					
F1	D1	H1	B1	C1	A1
25	50	60	80	150	180

*Liquids flow-rate (m<sup>3</sup>/h) - Initial Delta-P 0.1 bar. Filtration rating 500 µm.*

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

Air (cP 0.018)					
F1	D1	H1	B1	C1	A1
150	400	600	760	1200	1900

*Air flow-rate (Am<sup>3</sup>/h). Initial Delta-P 0.07 bar. Filtration rating 500 µm.*

*For gas different than air: DP = 0.07 x gas viscosity (cP) / 0.018 cP (air).*

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

*For filtration rating different than 500 µm multiply the Delta-P for the K<sub>µ</sub> factor.*

µm	45	75	100	150	250	500	1000	2000	3000	≥4000
K <sub>µ</sub>	1.40	1.60	1.55	1.30	1.25	1.00	0.80	0.75	0.70	0.65

*For liquid with viscosity different than 1 cP multiply the Delta-P for the K<sub>η</sub> factor.*

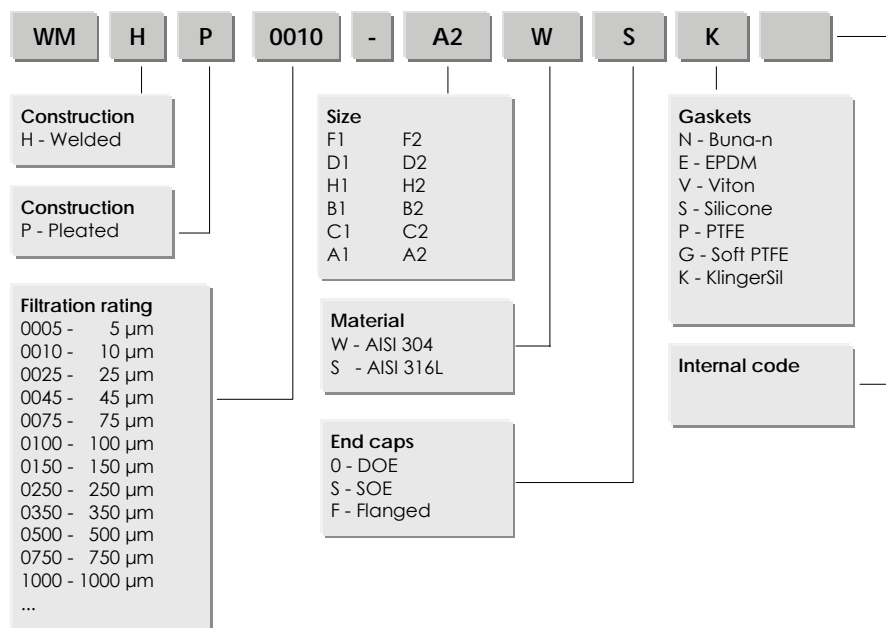
cP	1	5	10	50	100	200	500	1000	2000	5000
K <sub>η</sub>	1.0	1.25	1.6	2.5	3.0	3.5	4.5	5.3	6.2	8.2

### 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.

### 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: [asco@ascofiltri.com](mailto:asco@ascofiltri.com)

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

