

# WMH series

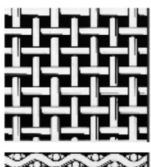
FILTERING CARTRIDGES  
PLEATED WIRE MESH  
HIGH FLOW-RATE



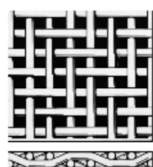
## FEATURES:

- 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
- Available with high-flow design, flow direction from in to out compatible with HPF series cartridges or equivalent
- 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

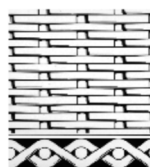
## ADOPTED MESH:



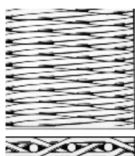
Square mesh



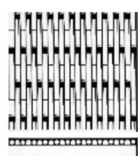
Twilled woven cloth



Repps



Touraille



Vertical Touraille

## MAIN APPLICATIONS:

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

# ASCO FILTRI

a **mott** company

# 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:**

- AISI 304

- AISI 316L

**Hardware:**

- AISI 304

- AISI 316L

**Gaskets:**

- Buna-n max. 120 °C

- EPDM max. 120 °C

- Viton max. 230 °C

- Silicone max. 230 °C

- PTFE max. 250 °C

- Soft PTFE max. 250 °C

- KlingerSil max. 360 °C

### 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

640D: 152/89 x 1020 mm

660D: 152/89 x 1540 mm

640H: 152/132 x 1020 mm

660H: 152/132 x 1540 mm

### 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>

640H/D: 2.40 m<sup>2</sup>

660H/D: 3.66 m<sup>2</sup>

### Max. Allowable flow-rate:

Liquids (cP 1.0)							
F1	D1	H1	B1	C1	A1	640	660
25	50	60	80	150	180	80	120

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	640	660
150	400	600	760	1200	1900	800	1200

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
K <sub>µ</sub>	1.70	1.60	1.55	1.30	1.25	1.00	0.80	0.75

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

**Contact us for any further information.**

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

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