

WMH series

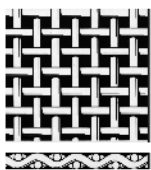
FILTERING CARTRIDGES
PLEATED WIRE MESH
HIGH FLOW-RATE



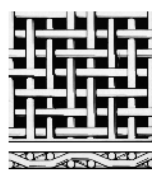
CHARACTERISTICS:

- 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
- 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 μm
- Custom design solution available

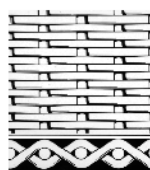
ADOPTED MESH:



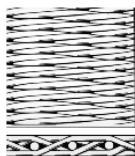
Square mesh



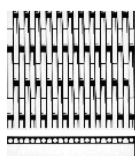
Twilled woven cloth



Repps



Touraille



Vertical Touraille

MAIN APPLICATIONS:

- FINE CHEMICAL
- 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 m² - F2: 1.38 m²

D1: 0.91 m² - D2: 1.82 m²

H1: 0.97 m² - H2: 1.94 m²

B1: 1.20 m² - B2: 2.40 m²

C1: 1.83 m² - C2: 3.66 m²

A1: 2.04 m² - A2: 4.08 m²

640H/D: 2.40 m²

660H/D: 3.66 m²

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 (m³/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 (Am³/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_µ factor.

µm	45	75	100	150	250	500	1000	≥2000
K _µ	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_η factor.

cP	1	5	10	50	100	200	500	1000	2000	5000
K _η	1.0	1.25	1.6	2.5	3.0	3.5	4.5	5.3	6.2	8.2

Ordering information:

WM	H	P	0010	-	640	W	S	K	
End caps seat: H: welded						Materials: W: 304-SS S: 316L-SS			
Type: P: pleated						End caps: 0: DOE S: SOE F: flanged H: HPF high-flow			
Filtration rating: 0005: 5 µm 0350: 350 µm 0010: 10 µm 0500: 500 µm 0025: 25 µm 0750: 750 µm 0045: 45 µm 1000: 1000 µm 0075: 75 µm 0100: 100 µm 0150: 150 µm 0250: 250 µm						Gaskets: N: Buna-N E: EPDM V: Viton S: Silicone T: PTFE F: FEP G: Soft PTFE K: KlingerSil			
Dimension: F1 - F2 - D1 - D2 - H1 - H2 B1 - B2 - C1 - C2 - A1 - A2 640D - 660D - 640H - 660H						Media code: Internal use			

Different filtration rating available upon request.

640D and 660D size only with DOE, SOE or flanged end caps.

640H and 660H size only with HPF high-flow end caps.

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

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