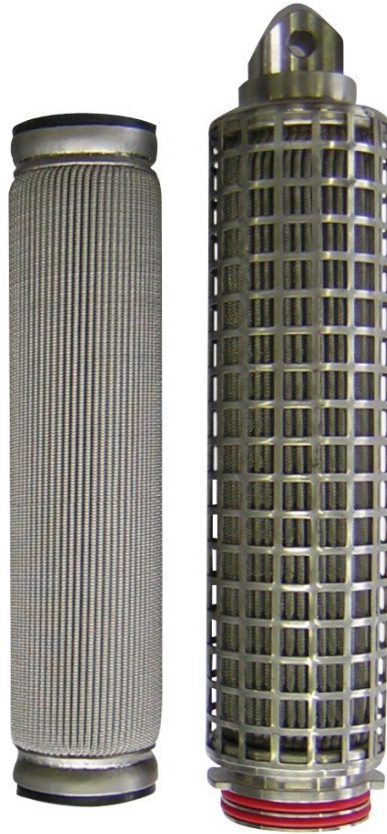


# WM series

FILTERING CARTRIDGES  
WIRE MESH - CLEANABLE  
OD 2.3"-2.7" (63-68 mm)



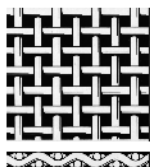
## MAIN APPLICATIONS:

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

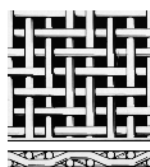
## CHARACTERISTICS:

- High mechanical strength
- High temperature resistance
- Excellent chemical compatibility
- Pleated or wrap-around construction
- Support drain mesh construction to prevent pleat collapse
- Cleanable
- No media migration
- Filtration direction from outside to inside
- Twelve end cap configurations available
- Two construction materials available
- Three assembly technologies available
- Suitable for both liquid and gas filtration
- 1935/2004/CE certification available upon request
- Filtration rating from 5 to 1000  $\mu\text{m}$

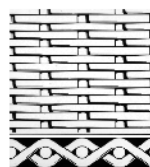
## ADOPTED MESH:



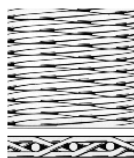
Square mesh



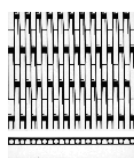
Twilled woven cloth



Reps



Touraille



Vertical Touraille



Brochure no.: 021-WM-22-UK-4

# ASCO FILTRI

a **mott** company

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# WM series

**FILTERING CARTRIDGES**  
**WIRE MESH - CLEANABLE**  
**OD 2.3"-2.7" (63-68 mm)**

## TECHNICAL DATA

### DIFFERENTIAL PRESSURE

**Cartridge replacement:**

**2.0 bar @ 25 °C**

**Max. allowable:**

**6 bar @ 25 °C (epoxy glued)**

**12 bar @ 25 °C (crimped)**

**15 bar @ 25 °C (welded)**

### MAX. WORKING TEMPERATURE

**120 °C (epoxy glued)**

**120 °C (crimped cylindrical)**

**300 °C (crimped pleated)**

**360 °C (welded)**

### CONSTRUCTION MATERIALS

**Filter media / hardware:**

- 304 SS (H, E version)

- 316 SS (G, H, E version)

**Gaskets:**

- Buna-n max. 120 °C

- EPDM max. 120 °C

- Viton max. 230 °C

- Silicone max. 230 °C

- FEP max. 250 °C

- PTFE max. 250 °C

- KlingerSil max. 360 °C

### DIMENSIONS

**External diameter:**

**2.4" (60 mm) Crimped**

**2.5" (63 mm) Epoxy glued**

**2.7" (68 mm) Welded**

**Internal diameter:**

**1.0" (26 mm)**

**1.4" (36 mm) (only cod. 9)**

**Length:**

**10", 20", 30", 40"**

**50", 60" (only G, H version)**

### FILTERING AREA

**Pleated: 0.20 m<sup>2</sup> x 10"**

**Cylindrical: 0.05 m<sup>2</sup> x 10"**

### Flow-rate / Delta-P data:

Filtration (µm)	Cylindrical			Pleated		
	1 cP	25 cP	70 cP	1 cP	25 cP	70 cP
10	1.60	0.50	0.30	1.80	0.60	0.40
25	2.00	1.10	0.85	2.50	1.50	1.25
45	2.50	1.40	1.20	2.50	1.60	1.40
75	2.50	1.80	1.60	2.50	1.80	1.60
100	2.50	1.80	1.60	3.00	1.80	1.60
150	3.00	2.10	1.90	3.00	1.80	1.60
≥ 250	3.00	2.10	1.90	3.00	2.00	1.80

Air (0.018 cP)	
ID 26 mm	ID 36 mm
25	30
25	35
25	40
25	40
25	40
25	40
25	40

Liquid flow-rate (m<sup>3</sup>/h) - Air flow-rate (Am<sup>3</sup>/h) - Clean Delta-P 0.1 bar.

Flow-rate valid for 10" long cartridges, OD 60-64 mm. For different diameter contact Asco Filtri.

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.

### Features:

	WMGP	WMHP	WMEP	WMGC	WMEC
304-SS		X	X	X	X
316-SS	X	X	X	X	X
Food grade	X	X			
External spring	X	X			

### Ordering information:

WM	G	P	0010	-	10	-	S	0	-	V	01		
<b>End cap seal:</b>				<b>Length:</b>		<b>Material:</b>		<b>End caps:</b>		<b>Gaskets:</b>		<b>Mesh code</b>	<b>Options:</b>
E: epoxy resin				10: 10"		W: AISI 304		0: DOE		N: Buna-N		Internal use	: none
G: crimped				20: 20"		S: AISI 316		3: SOE 222 / flat		E: EPDM			M: external spring
H: welded				30: 30"				6: SOE 226 / flat		V: Viton			F: food grade
<b>Type:</b>				40: 40"				7: SOE 226 / fin		S: silicone			
C: cylindrical				50: 50"				8: SOE 222 / fin		T: PTFE (only DOE)			
P: pleated				60: 60"				9: SOE 225 / fin		F: FEP			
<b>Filtration rating:</b>								T0.5: SOE 1/2" Gas-m		K: KlingerSil (only DOE)			
0005: 5 µm								T1: SOE 1" Gas-m					
0010: 10 µm								T1.5: SOE 1.1/2" Gas-m					
0015: 15 µm								N0.5: SOE 1/2" NPTM					
0025: 25 µm								N1: SOE 1" NPTM					
0045: 45 µm								N1.5: SOE 1.1/2" NPTM					
0075: 75 µm													
0100: 100 µm													
0150: 150 µm													
0250: 250 µm													
0350: 350 µm													
0500: 500 µm													
0750: 750 µm													
1000: 1000 µm													

Different filtration rating available upon request.

External spring: as option for 10" and 20"; standard for 30" and 40"; valid only for G version.

Gaskets: gaskets on sales documents have a separate P/N from DOE cartridge.

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

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