

# SWD series

FILTERING CARTRIDGES  
NOMINAL - STRING WOUND  
OD 2.5" (63 mm)



## MAIN APPLICATIONS:

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

## CHARACTERISTICS:

- Depth filtration
- Graded density winding
- Nominal filtration rating
- High dirt holding capacity
- Filtration direction from out to in
- Seven filter media available
- Seven core construction material available
- Up to 80" length in a single piece
- Six end caps configuration available
- Wide range chemical compatibility
- Suitable for both liquid and gas filtration
- FDA approved polypropylene and cotton
- 1935/2004/CE certification available upon request only for polypropylene cartridges
- Filtration rating from 1 to 200 µm

# ASCO FILTRI

a **mott** company



Brochure nr: 001-SWD-22-UK-4

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## TECHNICAL DATA

### DIFFERENTIAL PRESSURE

Cartridge replacement:

2.5 bar @ 25 °C

Max. allowable:

5.0 bar @ 25 °C

3.0 bar @ 300 °C (fibre glass)

### CONSTRUCTION MATERIAL

Filter media:

- Polypropylene
- Cotton
- Fibre glass
- Nylon
- Polyester
- Viscose

Inner core:

- Polypropylene
- Stainless steel
- Tinned steel
- Nylon
- Polyester

Gaskets:

- Buna-n
- EPDM
- Viton
- Silicone
- PTFE (only DOE)

### DIMENSIONS

External diameter:

2.5" (63 mm)

Internal diameter:

1" (26 mm)

Length:

10", 20", 30", 40", 50", 60", 80"

### FILTERING AREA

10": 0.05 m<sup>2</sup>

20": 0.10 m<sup>2</sup>

30": 0.15 m<sup>2</sup>

40": 0.20 m<sup>2</sup>

50": 0.25 m<sup>2</sup>

60": 0.30 m<sup>2</sup>

70": 0.35 m<sup>2</sup>

80": 0.40 m<sup>2</sup>

### Working temperature:

Core	Max. working temperature					
	Filter media					
	Cotton	Fibre glass	Nylon	Polyester	Polypropylene	PTFE
Polypropylene	60 °C	N.D.	60 °C	60 °C	60 °C	N.D.
Stainless steel	149 °C	400 °C	121 °C	121 °C	93 °C	N.D.

### Flow-rate / Delta-P:

Filtration (µm)	Polypropylene			Cotton			Fibre glass		
	1 cP	10 cP	25 cP	1 cP	10 cP	25 cP	1 cP	10 cP	25 cP
1	0.67	0.08	0.05	0.25	0.03	0.02	0.30	0.03	0.02
3	1.50	0.16	0.08	0.81	0.09	0.05	0.45	0.05	0.02
5	2.00	0.22	0.12	1.42	0.15	0.08	0.48	0.05	0.02
10	2.00	0.30	0.15	2.00	0.28	0.15	0.75	0.08	0.04
20	2.00	0.33	0.15	1.90	0.31	0.17	1.05	0.11	0.05
50	2.00	0.75	0.37	2.00	0.67	0.38	2.00	0.24	0.09
75	2.00	0.90	0.45	2.00	0.82	0.53	2.00	0.27	0.12
≥ 100	2.00	1.05	0.52	2.00	0.97	0.68	2.00	0.29	0.68

Liquids flow-rate (m<sup>3</sup>/h) - Clean Delta-P 0.15 bar.

Flow-rate valid for 10" long cartridges.

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

### Available filtration rating:

Filter media	Filtration rating (µm)										
	0.5	1	3	5	10	25	50	75	100	150	200
Polypropylene		X	X	X	X	X	X	X	X	X	X
Cotton		X	X	X	X	X	X	X	X	X	X
Fiberglass		X	X	X	X	X	X	X	X	X	X
Nylon		X	X	X	X	X	X	X	X	X	X
Polyester		X	X	X	X	X	X	X	X	X	X
Viscose		X	X	X	X	X	X	X	X	X	X

Contact us for any further information.

Option FD: only for PP cartridges

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

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