

# 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
- Six filter media available
- Six 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



Brochure nr: 001-SWD-15-UK-1

# ASCO FILTRI

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**OD 2.5" (63 mm)**

## 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:

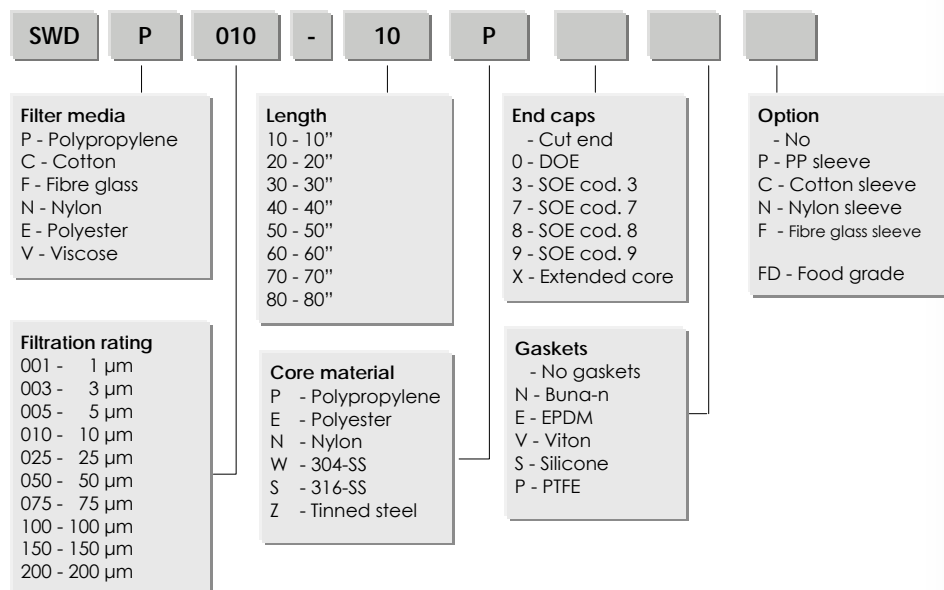
Core	Max. working temperature				
	Filter media				
	Cotton	Fibre glass	Nylon	Polyester	Polypropylene
Polypropylene	60°C	N.D.	60°C	60°C	60°C
Stainless steel	149°C	400°C	121°C	121°C	93°C

## 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	0.45	0.05	0.03	0.17	0.02	0.01	0.20	0.02	0.01
3	1.03	0.11	0.05	0.54	0.06	0.03	0.30	0.03	0.015
5	1.40	0.15	0.08	0.95	0.10	0.05	0.32	0.03	0.015
10	1.80	0.20	0.10	1.70	0.19	0.10	0.50	0.05	0.025
20	2.00	0.22	0.11	1.90	0.21	0.11	0.70	0.07	0.03
50	2.00	0.50	0.25	2.00	0.45	0.25	1.60	0.16	0.06
75	2.00	0.60	0.30	2.00	0.55	0.35	2.04	0.18	0.08
≥ 100	2.00	0.70	0.35	2.00	0.65	0.45	2.10	0.19	0.45

Liquids flow-rate (m<sup>3</sup>/h) - Clean Delta-P 0.1 bar  
 Flow-rate valid for clean water, reduce the flow-rate according to the application.

## Ordering information:



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

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