

String wound **SWD/SWE series** cartridge

The SWD/SWE series cartridges are the most common depth filter element. The cartridges are manufactured in one single piece also for the 50" element length. A single strand of synthetic or natural fibers is wound around a metallic or plastic perforated core.

The yarn winding is done in accordance with an accurate design which ensures a particular graded density structure to optimize the filtration rating and dirt holding capacity.

The opportunity to combine different filter media with different inner cores enables us to obtain very versatile filter cartridge.

The SWD series filter cartridges are suitable for standard applications.

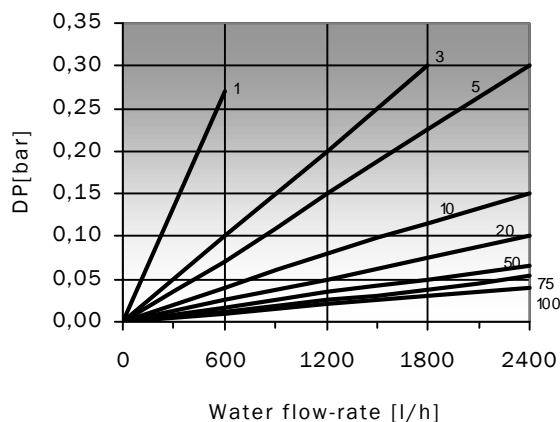
For critical applications we carry out the SWE series with an hard yard winding and consequently a much more reliable filtering structure.



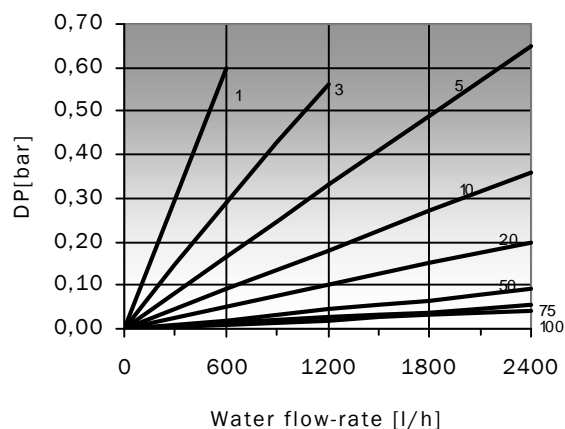
CHARACTERISTICS

- High dirt loading capacity and extended service life.
- Graded density filter matrix.
- Wide chemical compatibility.
- Suitable for liquid and gas filtration.
- FDA approved PP and cotton.
- Five filter media available.
- Inner core available in six materials.
- Ten removal ratings available.

Polypropylene filter media



Bleached cotton filter media



Flow rate for 10" element. For liquids other than water multiply ΔP by fluid viscosity in cP.

For glass fiber elements please check with ASCO Filtri.

For cartridge 100 and 200 μm please check with ASCO Filtri.

MAIN APPLICATIONS

Chemical solution, organic and inorganic acids, solvents, monomer, wash and rinse water, magnetic coating, film processing, photo emulsion, plating solution, adhesives, deep well injection, amine, gasoline, lubricating oils, glycol, R.O. membrane protection, demi water, make-up waters, water, edible oils, beer, fruit juice, syrups, soft drinks, flavorings, product clarification, creams, oil and gels, intermediate and final filtration, solvents, membrane prefiltration, parenterals solution, washing water, compressed and instrument air, nitrogen, helium, hydrogen, freon, corrosive gases

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PRODUCT SPECIFICATION

Retention ratings

1, 3, 5, 10, 20, 50, 75, 100, 150, 200 µm

Max operating conditions

Differential pressure 72 psid @ 68 °F
Max continuous temperature See materials table

Construction materials

Filter media Polypropylene
Bleached cotton
Nylon
polyester
Glass fiber
Inner core 304 SS
316 SS
Tinned steel
Polypropylene
Polyester
Nylon
Core cover Polypropylene
Cotton
Nylon
Glass fiber

Polypropylene and cotton are in accordance with the FDA requirements suitable for food contact.

Dimensions

Length 10" 20" 30" 40" 50"
Outer diameter 2.5"
Inner diameter 1"

MAX OPERATING TEMPERATURE					
FILTER MEDIA	POLIPROPYLENE	COTTON	NYLON	POLYESTER	GLASS FIBRE
POLYPROPYLENE CORE	60 °C	60 °C	60 °C	60 °C	N/A
METALLIC CORE	93 °C	149 °C	121 °C	121 °C	400 °C

ORDERING INFORMATION

SWD	P	10	-	40	E	8	E	G
GRADO GRADE	MATERIALE MATERIAL	RATING		ALTEZZA LENGTH	CANOTTO CORE	TERMINALI END CAPS	GUARNIZIONI GASKET	CALZA OUTER CAGE
	P Polypropylene	001	1	10 10"	P Polypropylene	NO - IND.L CUT ENDS	NO	NO
	C Cotton	003	3	20 20"	E Polyester	0 DOE	N Buna-n	P PP
	N Nylon	005	5	30 30"	N Nylon	3 SOE - OR 222/FLAT	E EPDM	C Cotton
	E Polyester	010	10 µm	40 40"	S 316 SS	7 SOE - OR 226/FIN	R Natural rubber	N Nylon
	F Glass fiber	020	20 µm	50 50"	W 304 SS	8 SOE - OR 222/FIN	S Silicone	F Glass fiber
SWD	Standard	050	50 µm		Z Tinned steel	X EXTENDED CORE	V Viton	
SWE	High performance	075	75 µm				T PTFE [1]	
		100	100 µm					
		150	150 µm					
		200	200 µm					

1] Available only with DOE configuration.



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