

## RealMax® RMSW String-Wound Filter Cartridge

RealMax® RMSW String-Wound Filter Cartridge provides reliable and consistent performance in a wide range of applications.

It is depth type filtration cartridge, consisting of textile fiber twined on the multi-bone framework tightly by the special craft to form a honeycomb structure with dense internal and thin outside. This design allows excellent filtration performance, which can remove the suspended solids, iron rust and particle effectively from the liquid.

It is manufactured using a precise winding technique, with computer modeling which optimized the wound cartridge geometry maximizing the use of internal cartridge surface area. Through depth type filtration, the unique construction improves the dirt-holding capacity.



### Features & Benefits

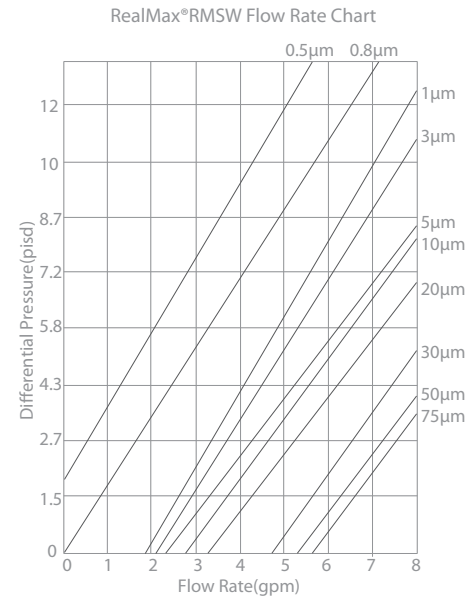
- Continuously graded pore structure of the filter capture contaminants throughout the media, therefore improved dirt-holding capacity
- Excellent compatibility with a variety of fluids
- Nominal 90% efficiency from 0.5 micron to 100 microns
- Ideal for removing deformable particles or gels from process fluids
- Extended core option eliminates the need for expensive housing hardware and allows for quick and easy cartridge change-out
- True depth filtration minimize downtime for equipment repair or replacement, to further maximize profitability
- Safe & Environmental, easy disposal

### Application

- Municipal & Portable Water Systems
- Food and Beverage
- Metal Finish / Plating Solutions
- Pharmaceuticals
- Prefilter for RO Membranes
- Microelectronics

## Specification

Specification			
Micron Rating(Nominal)	1,3,5,10,20,30,50,80,100µm		
Outside Diameter	2.5inch/64mm		
Inner Diameter	1inch/25.4mm		
length	5,10,20,30,40,50inch		
Filter Media	Polypropylene,cotton,Fiber glass		
Core Material	Polypropylene, stainless steel		
Operating Conditions			
Filter Media	Support Core	Working Temperature	Maxi. Differential pressure
Polypropylene	Polypropylene	< 140° F / 60° C	35psid@77° F / 2.45bar@25° C
Polypropylene	Stainless Steel	< 194° F / 90° C	35psid@77° F / 2.45bar@25° C
Cotton	Stainless Steel	< 302° F / 150° C	57psid@77° F / 4.0bar@25° C
Fiber Glass	Stainless Steel	< 482° F / 250° C	57psid@77° F / 4.0bar@25° C



RealMax®RMSW String-Wound Filter Cartridge performance table											
Nominal Rating (µm)	0.5	0.8	1	3	5	10	20	30	50	80	100
Flowrate (L/min)	6	12	15	20	25	30	32	36	40	45	50

Notice: the flow rate value showed above is subject to the pressure difference of 0.015Mpa with 250mm length of cartridge. The absorbent cotton fiber is 0.6 times more compared to the sheet, and polyacrylonitrile fiber is 1.3 times more compared to the sheet.

## Ordering Information

Cartridge Designation	Media	Removal Rating	Elements Length	End-cap Type	Connection Type	O-ring Material	Support Layer Material
RMSW — P — 050 — 40 — 1 — 1 — E — P	P=Polypropylene	010=1µm	10=10inch	1=flat	1=flat	E=EPDM	P=Polypropylene
	C=Cellulose	030=3µm	20=20inch	2=fin	2=222	N=Buna-N rubber	S=304ss
	B=Fiberglass	050=5µm	30=30inch		6=226	S=Silicon rubber	L=316ss
		100=10µm	40=40inch			V=Fluororubber	C=Carbon steel
		200=20µm				Empty=No sealing material	
		300=30µm					
		500=50µm					
		800=80µm					
		1000=100µm					