

# DW Series Precision Wound Filter Cartridges



**The DW series is a proven performer in hundreds of fluid filtration applications around the world.** With the availability of twelve filtration media, six support core materials and a variety of end fitting options, the DW series filter cartridges are the cartridge of choice for numerous filter applications. For potable water to aggressive chemicals, the DW Series cartridges provide progressive depth filtration with high sediment holding capacity. Precision winding geometry provides consistent performance, reduces surface blinding and ensures full depth of media utilization.



Delta Pure DW series filter cartridges provide an economical solution for removal of solid particles from liquids and compressed gases. Micron ratings are available from 0.5 to 200 at nominal 90% efficiency. Cartridges are available in continuous lengths from 4" to 72" and diameters to 4 1/2". Cartridge housings in various materials are also available from Delta Pure.



*Cartridges are available in a variety of sizes and configurations to fit most filter housings.*

## Benefits

Wide range of configurations to ensure process compatibility

FDA compliant materials per CFR Title 21 for contact with potable and edible fluids

High sediment holding capacity for longer time between cartridge changes

Continuous lengths up to 72" (183 cm)

Technical support and prompt deliveries

## Applications

Process/Potable Water

Pre-Filtration for Membranes and Reverse Osmosis Systems

Food and Beverage

Ground Water Remediation

Various Chemical Solutions

Oils and Solvents

# DW Series Precision Wound Filter Cartridges



## Specifications

Cartridge ID:  
1" (2.6 cm) nominal std.  
1.22" (3.1 cm) and 1.5" (3.8 cm) optional

Cartridge OD:  
2" (5 cm) to 4 1/2" (11.4 cm)

Length:  
3" (7.6 cm) to 72" (183 cm)  
Special Lengths Available

Efficiency: 90% nominal; 80% below 3 micron

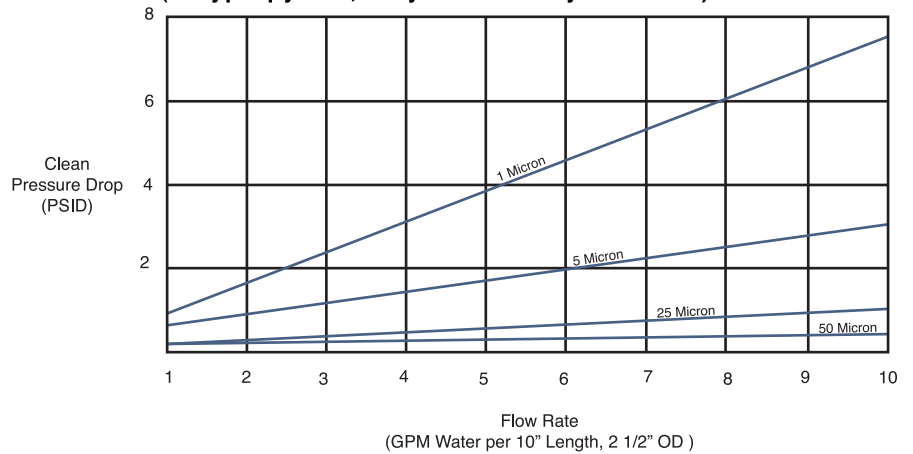
Recommended Max Change Out Differential Pressure"  
30 psid (2 bar)

Max Differential Pressure  
60 psid (4 bar)

## Model Code/Ordering Information

CARTRIDGE TYPE	MICRON RATING	FILTER MEDIA	LENGTH INCHES	CORE TYPE	OUTSIDE DIAMETER	OPTIONS	SPECIAL
DW - Precision Wound Filter Cartridge	0.5	01-FDA Polypropylene	3.75	1-Polypropylene	A-2"	2SP-222 w/ Plug	S - Special
	1	02-Fibrillated Polypropylene	4	3-Tinned Steel	B-2 1/4"	2SD-222 w/ Disk	
	3	03-Industrial Polypropylene	4.75	4-304SST	C-2 3/8"	2SF-222 w/ Fin	
	5	04-Ind. (Natural) Cotton	5	5-Polyester	D-2 1/2"	SPR-Polypro Spring	
	10	05-Bleached Cotton	6	6-316SST	E-2 5/8"	6SP-226 w/ Plug	
	15	06-FDA Bleached Cotton	8	7-Nylon	F-2 3/4"	6SD-226 w/ Disk	
	20	09-Rayon	9.75		G-3"	6SF-226 w/ Fin	
	25	11-Nylon	10		H-4"	SPR-Polypro Spring	
	30	13-Polyester	12		I-4 1/4"	E-Extended Core	
	50	14-Acrylic	12.5		J-4 1/2"	N-Polyester Core	
	75	15-Fiberglass	19.5		(Big Blue)	Cover	
	100	20-Anti-Microbial FDA	20			EC-End Caps - PVC	
	125	Polypropylene	24.5			ECP- Polypro End Caps	
	150		29.25			P-Plug in one end	
	200		30			SC-Steel Cap w/ Spring	
			36				
			39				
		40					
		50					
		72					

## Pressure Drop vs. Flow Rate (Polypropylene, Polyester and Nylon Media)



### Max Temperature

Media	Polypro Core	Polyester Core	Tin Core	SST Core
Polypropylene	180F	180F	180F	180F
Cotton	180F	250F	250F	250F
Acrylic	180F	250F	250F	250F
Rayon	180F	275F	275F	275F
Nylon	180F	275F	275F	275F
Polyester	180F	300F	300F	300F
Fiberglass	180F	300F	400F	750F

### Standard Box Quantities:

10" - 40 per box  
20", 30", 40", 50" - 20 per box

EXAMPLE: Example: DW-5-05-20-4-C-E, Standard Wound Cartridge, 5 Micron, Bleached Cotton, 20" length, 304 SST Core, 2 3/8" OD, with Extended Core