

DW Series Precision Wound Filter Cartridges



The DW series string wound filters protect processes, people and the environment around the world. These depth filters offer a choice of filtration media, support cores, and materials to enable compatibility with most applications. End fitting options allow the retrofitting of most filter housings. Delta Pure Filtration can satisfy large orders with fast lead times. For potable water to aggressive chemicals, the DW series cartridges provide progressive depth filtration with high sediment-holding-capacity. Precision winding geometry provides consistent and controlled removal-efficiency.



DW Series string wound filter cartridges are available in a variety of sizes and configurations.

Delta Pure DW series string wound filter cartridges provide an economical solution for removal of solid particles from liquids and compressed gasses. Micron ratings are available from 0.5 to 200 for polishing to pre-filtration. Optional core covers allow added particle removal assurance. Cartridges are available in continuous lengths from 4" to 72" and diameters to 4 1/2". Delta Pure Filtration also provides single-round and multi-round filter housings to accept these filters.

Benefits

- Wide range of materials to ensure process compatibility
- Variety of sizes and configurations to ensure proper sizing, fit and sealing
- High sediment-holding-capacity for longer time between filter cartridges changes
- Continuous lengths up to 72" (183cm)
- Technical support
- Prompt deliveries

Applications

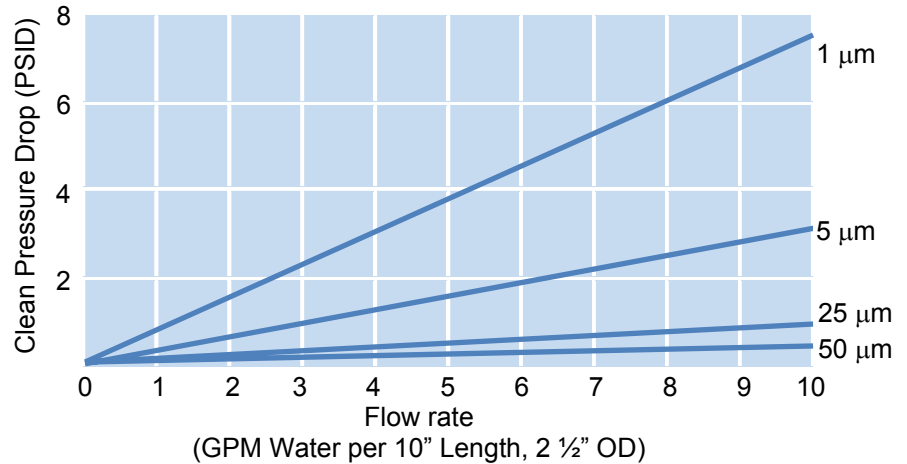
- Potable water
- Process water
- Pre-filtration for membrane/ reverse osmosis (RO) systems
- Food and beverage
- Chemicals, acids, bases
- Oils, fuels and solvents
- Plating solutions, electronics, circuit board
- Produced water and waste water; fracking

DW Series

Precision Wound Filter Cartridges



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



Specifications

Cartridge ID:
1.09" (2.8 cm) nominal std.
1.22" (3.1cm) and 1.5" (3.8 cm) optional

Cartridge OD:
2" (5cm) 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)

Maximum Differential Pressure
60 PSID (4 bar)

Note: Please consult factory for data on other media and fluids.

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

2 3/8" OD – 2 1/2" OD Box Quantities: 10" – 30/box; 20", 30", 40" – 15/box;
50" – 20/box 4 1/2" OD Box Quantities: 10" – 12/box; 20" – 6/box

Model/Code Ordering Information

CARTRIDGE TYPE	MICRON RATING	FILTER MEDIA	LENGTH INCHES	CORE TYPE	OUTSIDE DIAMETER	OPTIONS
DW - Precision Wound Filter Cartridge	0.5	01 - FDA Polypropylene	3.75	1 - 1" id Polypropylene	A-2"	N - polyester core cover
	1	02 - Fibrillated Polypropylene	4	2 - 1" id Glass Filled Polypropylene	B-2 1/4"	NF - acrylic resin bonded glass nonwoven core cover
	3	03 - Industrial Polypropylene	4.75	3 - 1" id Tinned Steel	C-2 3/8"	NN - nylon core cover
	5	04 - Natural Cotton + Polyester	5	4 - 1" id 304 SST	D-2 1/2"	Y - polypropylene core cover
	10	05 - White Cotton	6	6 - 1" id 316 SST	E-2 5/8"	2SP - 222 w/ plug
	15	06 - FDA Bleached Cotton	9.75	7 - 1" id Nylon	G-3"	2SD - 222 w/ disc
	20	09 - Rayon	10		H-4"	
	25	10 - Teflon	12			
	30	11 - Nylon	12.5	8 - 1.22" id Polypropylene	I- 4 1/4"	2SF - 222 w/ fin
	50	13 - Polyester	19.5	10 - 1" id Teflon	J-4 1/2"	6SP - 226 w/ plug
	75	14 - Acrylic	20	11 - 1.5" id 304 sst		6SD - 226 w/ disc
	100	15 - Glass Fiber	24.5	12 - 1.75" id Polypropylene		6SF - 226 w/ fin
	125	18 - Polyphenylene Sulfide PPS	29.25	13 - 1.5" id tin steel		E - Extended Core
	150	20 - Antimicrobial Polypropylene	30			EC - end caps PVC
	200	21 - Heat resistant meta-aramid Conex® (trademark of Teijin)	36			ECP - end caps polypro
	33 - EcoWound™ filter *	40			P - plug in one end	
		50				SPR - polypro spring
		72				

* Media code 33 contains recycled polypropylene, polyester and cotton.

O-ring codes (where applicable): default (no code) = BUNA; -E = EPDM; -S = Silicone; V = fluorocarbon elastomer; TEV – fluoropolymer-encapsulated fluorocarbon elastomer