

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. We 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 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". We also provide single-round and multi-round filter housings to accept these filters.

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



Specifications:

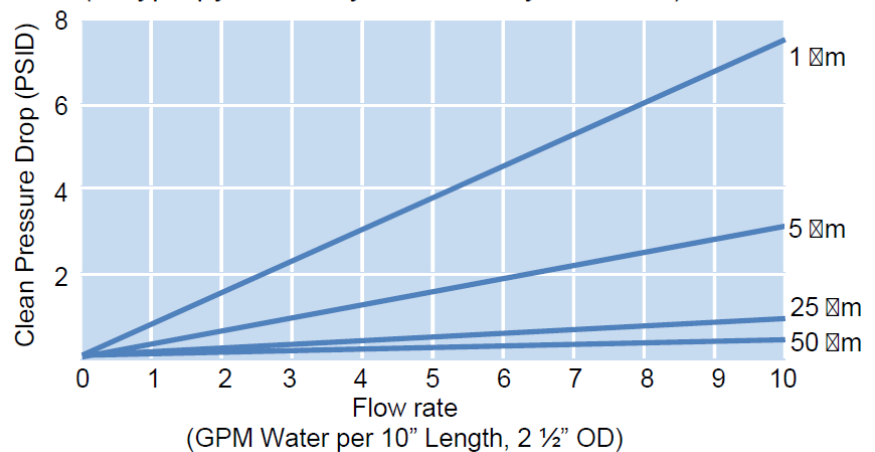
Cartridge ID: 1.09" (2.8 cm) nominal std.
1.22" (3.1cm) and 1.5" (3.8 cm) optional
Cartridge OD: 2" (5cm) to 4 1/2" (11.4 cm)
Length: 3" (7.6 cm) to 72" (183 cm)
Efficiency: 90% nominal; 80% below 3 micron

Recommended max

Change-Out Differential Pressure 30 PSID (2 bar)
Maximum Differential Pressure 60 PSID (4 bar)

Pressure Drop vs. Flow Rate

(Polypropylene, Polyester and Nylon Media)



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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)
- 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

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	8 - 1.22" id Polypropylene	I-4 1/4"	2SF - 222 w/ fin
	25	10 - Teflon	12	9 - 1.5" id Polypropylene	J-4 1/2"	6SP - 226 w/ plug
	30	11 - Nylon	12.5	10 - 1" id Teflon	nominal diameters	6SD - 226 w/ disc
	50	13 - Polyester	19.5	11 - 1.5" id 304 sst		6SF - 226 w/ fin
	75	14 - Acrylic	20	12 - 1.75" id Polypropylene		E - Extended Core
	100	15 - Glass Fiber	24.5	13 - 1.5" id tin steel		EC - end caps PVC
	125	18 - Polyphenylene Sulfide PPS	29.25			ECP - end caps polypro
	150	21 - Heat resistant meta-aramid Conex® (trademark of Teijin)	30			P- plug in one end
	200		36			
		22 - Nylon 6	40			
		50				
		72				

SPR- polypro spring

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

Example Part Number: DW-5-01-40-1-D

Example Description: String Wound Liquid Filter Cartridge FDA Polypropylene Yard 5 Micron 40"L x 2.5"OD DOE Polypropylene Core

Max Temperature	Media			
	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

Case Quantities:

2-3/8" to 2-1/2" O.D.

10" Filters – 30 per case

20" Filters – 15 per case

30" Filters – 15 per case

40" Filters – 15 per case

50" Filters – 20 per case

4-1/2" O.D.

10" Filters – 12 per case

20" Filter - 6 per case