

Liquid Filter Data Sheet

DW Series Wound Filter Cartridges

DW string wound filters remove solids from water, process fluids, and compressed gasses, providing economical solutions to protect processes, people, and the environment. These depth filters are available with numerous material options for filter media, cores, and core covers. A wide variety of end fittings enable proper fit into most single-round and multi-round filter housings. DW cartridges are available with nominal micron ratings from 0.5 to 200 in continuous lengths from 3" to 72" and diameters from 2" to 4.5". Optional core covers assure superior particle removal for critical applications.



Ask us about DW Series filters certified to NSF/ANSI 61!

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

DW string wound cartridges are manufactured with high-speed winding machinery, producing precise diamond patterns which define the micron ratings. From pre-filtration to polishing applications, for potable water to aggressive chemicals, DW string wound filters provide the progressive depth filtration with high sediment holding capacity demanded by the industry.

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

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"
- Technical support
- Fast lead times

Box Quantities by Length

2-3/8" to 2-1/2" Diameter

10" Length	30/Box
20" Length	15/Box
30" Length	15/Box
40" Length	15/Box
50" Length	20/Box

4-1/2" Diameter

10" Length	12/Box
20" Length	6/Box
30" Length	3/Box

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Specifications

Cartridge ID:
1.09" standard

Cartridge OD:
2" to 4 1/2"

Length:
3" to 72"
Special lengths available

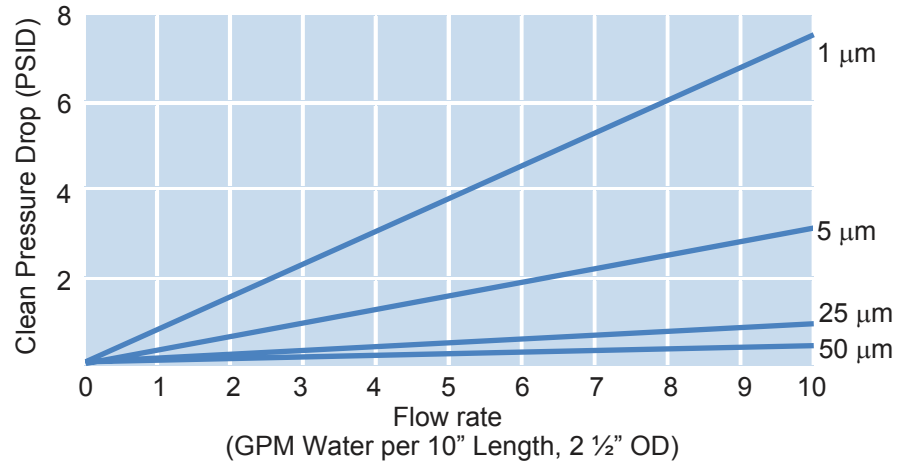
Efficiency: 90% nominal; 80% below 3 micron

Maximum Differential Pressure (DP):
60 PSID (4 Bar)

Recommended Maximum Change-Out DP:
30 PSID (2 Bar)



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



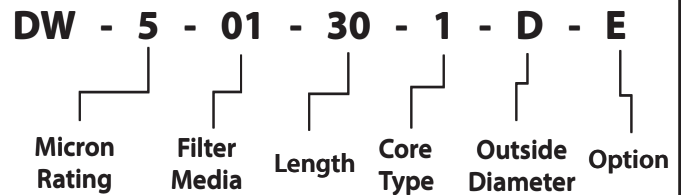
Note: Please consult factory for data on other media and fluids.

Max Temperature

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

Example:

DW-5-01-30-1-D-E



DW Model/Code Ordering Info

MICRON RATING	FILTER MEDIA	LENGTH INCHES	CORE TYPE	OUTSIDE DIAMETER	OPTIONS	O-RINGS
0.5	01 - FDA Polypropylene	3	1 - Polypropylene	A- 2"	N - Polyester Core Cover	Blank = Buna
1	02 - Fibrillated Polypropylene	3.75	3 - Tinned Steel	B- 2 1/4"	NF-Acrylic Resin Bonded Glass Nonwoven Core Cover	-E = EPDM
3	04 - Natural Cotton/Polyester Blend	4	4 - 304 SST	C- 2 3/8"	NN - Nylon Core Cover	-S = Silicone
5	05 - White Cotton	4.75	6 - 316 SST	D- 2 1/2"	Y - Polypropylene Core Cover	-V = Fluorocarbon Elastomer
10	06 - FDA Bleached Cotton	5		E- 2 5/8"	2SP - 222 w/ Plug*	-TEV = Fluoropolymer Encapsulated Fluorocarbon Elastomer
15	09 - Rayon	6		H- 4"	2SD - 222 w/ Disc*	
20	10 - Teflon	9.75		J- 4 1/2"	2SF - 222 w/ Fin*	
25	11 - Nylon	10			6SP - 226 w/ Plug*	
30	12 - Polyester	12			6SD - 226 w/ Disc*	
50	13 - Glass Fiber	12.5			6SF - 226 w/ Fin*	
75	15 - Polyester	19.5			E - Extended Core	
100	15 - Glass Fiber	20			EC - Plastisol End Cap	
125	18 - PPS (Ryton equivalent)	24.5			P- Plug in one end	
150	18 - PPS (Ryton equivalent)	29.25			SPR- polypro spring	
200	21 - Aramid	30			IBL- Individually bagged and labeled	
		36			ISW- Individually shrink wrapped	
		40				
		50				
		72				

**O-Rings are only available on 222 and 226 options

Contact US to inquire about custom materials and configurations