

### DW Series Precision Wound Filter Cartridges

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

AJR Filtration proudly offers the DW Series of string wound filters, formerly sold under the Delta Pure® name. 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.



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

DW string wound cartridges are manufactured in AJR Filtration's West Chicago filtration headquarters 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 by AJR Filtration 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, solvents
- Plating solutions, electronics, circuit board
- Produced water and waste, 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 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

DELTA PURE FILTRATION IS NOW AJR FILTRATION



## Specifications

**Cartridge ID:**  
1" nominal standard

**Cartridge OD:**  
2" to 4 1/2"

**Length:**  
3" to 72"  
Special lengths available

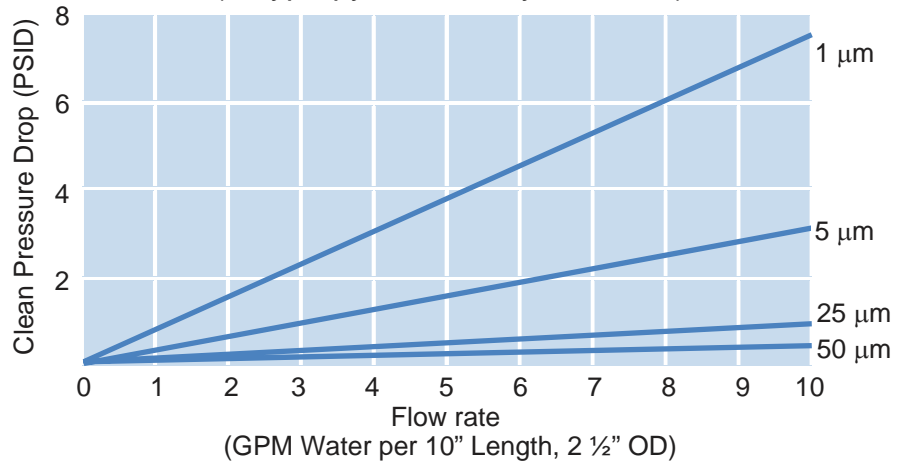
**Efficiency:** 90% nominal; 80% below 3 micron

**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)



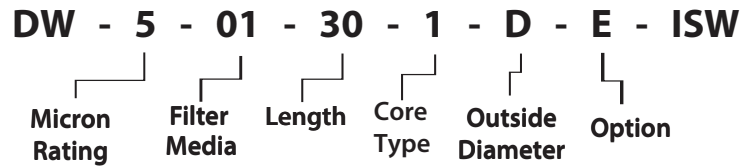
Note: Please consult factory for data on other media and fluids.

### Max Temperature

Media	Polypro Core	Tin Core	SST Core
Polypropylene	180 F	180 F	180 F
Cotton	180 F	250 F	250 F
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-ISW



## 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 - Fiberglass core cover	-E = EPDM
3	04 - Natural Cotton	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 = Viton
10	06 - FDA bleached cotton	5		E - 2 5/8"	2SPR - 222 w/ polypro spring top	-T/V = teflon
15	09 - Rayon	6		H - 4"	2SD - 222 w/disc (flat)	encapsulated viton
20	10 - Teflon	9.75		J - 4 1/2"	2SF - 222 w/fin	
25	11 - Nylon	10			6SPR - 226 w/ polypro spring top with locking tabs	
30	13 - Polyester	12			6SD - 226 w/ disc (flat) with locking tabs	
50	15 - Fiberglass*	12.5		(H and J are ISW standard)	6SF - 226 w/ fin with locking tabs	(O rings are only available on 222 and 226 options)
75	18 - PPS (Ryton equivalent)	19.5			GV - Viton gasket	
100	21 - Aramid	20			GP - Polyethylene gasket	
125		24.5			GE - EPDM gasket	
150		29.25			E - DOE, extended core, crimped	
200		30			EC - Platisol end cap	
	* standard -IB	36			P - plug in one end	
		40*			SPR - SOE with polypro spring	
		50*			SPRE - SOE with polypro spring wih extended core	
		72*			IB - Individually bagged	
					IBL - Individually bagged, labeled	
					ISW - individually shrink wrapped	
					ISWL - individually shrink wrapped, labeled	

Contact AJR to inquire about additional microns, materials, and configurations