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

Delta Pure
Reliable Filtration

AJR FILTRATION

Specifications

Cartridge ID:
1" nominal standard

Cartridge OD:
2" to 4 ½"

Length:
3" to 72"
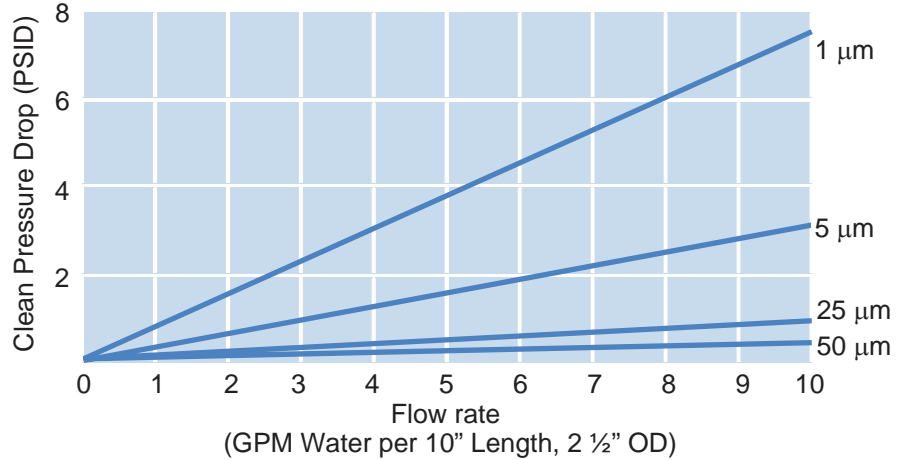Special lengths available

Efficiency: 90% nominal; 80% below 3 micron

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

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

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

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

Clean Pressure Drop (PSID) vs. Flow rate (GPM Water per 10" Length, 2 ½" OD). Curves labeled 1 µm, 5 µm, 25 µm, 50 µm.

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

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

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

- Micron Rating
- Filter Media
- Length
- Core Type
- Outside Diameter
- Option

DW Model/Code Ordering Info

MICRON RATING	FILTER MEDIA	LENGTH INCHES	CORE TYPE	OUTSIDE DIAMETER	OPTIONS	O-RINGS
0.5 1 3 5 10 15 20 25 30 50 75 100 125 150 200	01 - FDA polypropylene 02 - Fibrillated polypropylene 04 - Natural cotton/polyester blend 05 - White cotton 06 - FDA bleached cotton 09 - Rayon 10 - Teflon 11 - Nylon 13 - Polyester 15 - Fiberglass 18 - PPS (Ryton equivalent) 21 - Aramid **Contact AJR to inquire about custom materials and configurations**	3 3.75 4 4.75 5 6 9.75 10 12 12.5 19.5 20 24.5 29.25 30 36 40 50 72	1 - Polypropylene 3 - Tinned steel 4 - 304 SST 6 - 316 SST	A- 2" B- 2 1/4" C- 2 3/8" D- 2 1/2" E- 2 5/8" *H- 4" *J- 4 1/2" *ISW is standard	N - Polyester core cover NF- Fiberglass core cover NN - Nylon core cover Y - Polypropylene core cover 2SPR - 222 w/ spring top* 2SD - 222 w/ disc* 2SF - 222 w/ fin* 6SPR - 226 w/ spring top* 6SD - 226 w/ disc* 6SF - 226 w/ fin* E - DOE, extended core EC - Plastisol end cap P- Plug in one end SPR- SOE, with polypro spring SPRE - SOE, with polypro spring with extended core IBL- Individually bagged and labled ISW- Individually shrink wrapped ISWL- Individually shrink wrapped and labeled	**Blank** = Buna **-E** = EPDM **-S** = Silicone **-V** = Fluorocarbon elastomer **-TEV** = Fluoropolymer encapsulated fluorocarbon elastomer ***O-Rings are only available on 222 and 226 options**