

DW Series Precision Wound Filter Cartridges

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

Midwest Filter's 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 string wound cartridges are manufactured in Midwest Filter's West Chicago filtrations 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 Midwest Filter, provide the progressive depth filtration with high sediment holding capacity demanded by the industry.



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

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 |

Liquid Filter Data Sheet

Specifications

Cartridge ID:
1" nominal standard

Cartridge OD:
2" to 4 1/2"

Length:
3" to 72"
Special lengths available

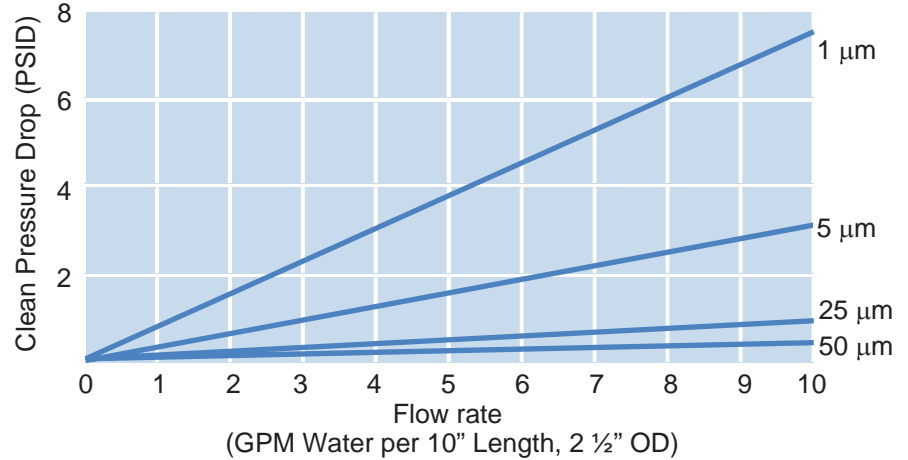
Efficiency: 90% nominal; 80% below 3 micron

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 |

Please contact our sales team for product configurations not offered by Filterbag.com

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

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

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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 | 01 - FDA polypropylene | 3 | 1 - Polypropylene | A- 2" | N - Polyester core cover | Blank = Buna -E = EPDM -S = Silicone -V = Fluorocarbon elastomer -TEV = Fluoropolymer encapsulated fluorocarbon elastomer *O-Rings are only available on 222 and 226 options |
| 1 | 02 - Fibrillated polypropylene | 3.75 | 3 - Tinned steel | B- 2 1/4" | NF- Fiberglass core cover | |
| 3 | 04 - Natural cotton/polyester blend | 4 | 4 - 304 SST | C- 2 3/8" | NN - Nylon core cover | |
| 5 | 05 - White cotton | 4.75 | 6 - 316 SST | D- 2 1/2" | Y - Polypropylene core cover | |
| 10 | 06 - FDA bleached cotton | 5 | | E- 2 5/8" | 2SPR - 222 w/ spring top* | |
| 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 | | | 6SPR - 226 w/ spring top* | |
| 30 | 13 - Polyester | 12 | | | 6SD - 226 w/ disc* | |
| 50 | 15 - Fiberglass | 12.5 | | | 6SF - 226 w/ fin* | |
| 75 | 18 - PPS (Ryton equivalent) | 19.5 | | | E - DOE, extended core | |
| 100 | 21 - Aramid | 20 | | | EC - Plastisol end cap | |
| 125 | | 24.5 | | | P - Plug in one end | |
| 150 | | 29.25 | | | SPR- SOE, with polypro spring | |
| 200 | | 30 | | | SPRE - SOE, with polypro spring with extended core | |
| | | 36 | | | IBL- Individually bagged and labeled | |
| | | 40 | | | ISW- Individually shrink wrapped | |
| | | 50 | | | ISWL- Individually shrink wrapped and labeled | |
| | | 72 | | | | |