MWF
MIDWEST FILTER

Liquid Filter Data Sheet

DW Series-61
Precision Wound Filter Cartridges

DW Series-61 polypropylene string wound filter cartridges are certified to comply with materials safety requirements of NSF/ANSI 61 - “Drinking water system components - Health effects.” These filters are manufactured to be used by water municipalities and in various point-of-entry (POE) potable water systems. In addition, these filters are made using polypropylene complying with FDA CFR 177.1520.

These string wound filter cartridges provide progressive depth filtration with high dirt holding capacity in order to remove sediment from drinking water. These filters are made in West Chicago, IL USA for quick delivery to municipalities throughout the United States and Canada. The filters are also suitable for use internationally where the value of the NSF/ANSI standards is recognized.

Various optional components including O-rings and a variety of end fittings and core covers are included in the NSF 61 certification. Micron ratings are available from 0.5 to 200 for polishing to pre-filtration. We wind continuous lengths from 3” to 72”.



DW Series-61 wound filter cartridges are available in a variety of sizes and configurations

NSF/ANSI 61 was developed to establish minimum requirements for the control of potential adverse human health effects from products that contact drinking water. Evaluation included laboratory extraction testing for assessment of non-contribution of a variety of VOCs and a variety of metals such as lead and an on-site audit of our quality system.

Applications

- Municipal water filtration
- RO pre-filtration - fresh water
- RO pre-filtration - desalination
- Well water pump - house filtration
- Commercial POE water filtration
- Residential POE water filtration
- Bottled water
- Juices, flavors, food rinse water
- Cosmetics
- Hot water to 176 deg. F

Benefits

- NSI 61 Certified to meet municipality purchasing specifications
- 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

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50 YEARS 1972-2022



DW Series-61 polypropylene string wound filter cartridges are available with a variety of end fittings to allow installation into most filter housings

Specifications

Filter Medium:
Polypropylene, per FDA **CFR** 177.1520

Rigid Internal Filter Support Core:
Polypropylene, per FDA **CFR** 177.1520

Cartridge ID:
1" nominal standard

Cartridge OD:
2" to 4 ½"

Length:
3" to 72"
Special lengths available

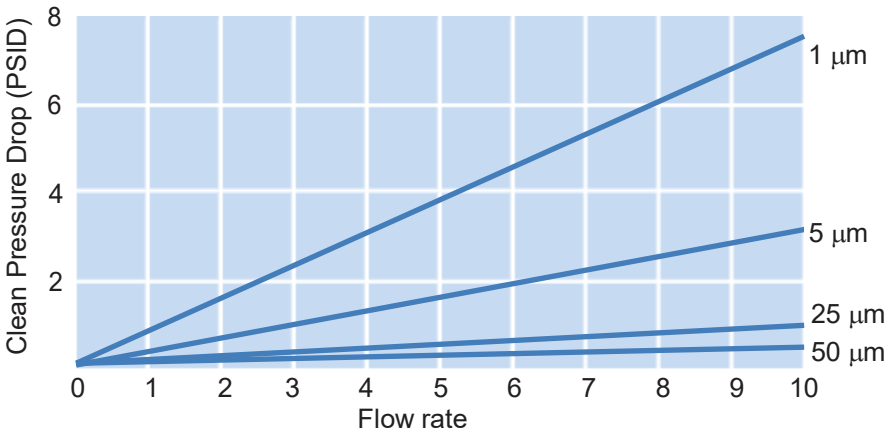
Efficiency: 90% nominal; 80% below 3 micron

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

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

Pressure Drop vs. Flow Rate

(Polypropylene Medium)



IAPMO R&T WATER QUALITY PLATINUM SEAL IAPMO RESEARCH AND TESTING

NSF/ANSI 61

The DW Series-61 Series is certified by IAPMO R&T to NSF/ANSI 61.

IAPMO R&T

Example:

DW-1-01-40-1-D-2SF-61

DW - 1 - 01 - 40 - 1 - D - 2SF - 61 - ISW

Micron Rating	Filter Media	Length	Core Type	Outside Diameter	Option

DW Series-61 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	**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	**A-** 2" **B-** 2 1/4" **C-** 2 3/8" **D-** 2 1/2" **E-** 2 5/8" ***H-** 4" ***J-** 4 1/2"	**Blank** - DOE, plain ends **N** - Polyester 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 **GP** - DOE, polyethylene gasket (heat sealed to filter) **P** - Plug in one end **SPR** - SOE, with polypro spring **SPRE** - SOE, with polypro spring and extender **IBL** - Individually bagged and labeled **ISW** - Individually shrink wrapped **ISWL** - Individually shrink wrapped and labeled	**Blank** = Buna none if DOE **-E** = EPDM **-S** = Silicone ***O-Rings are only available on 222 and 226 options** **Certification:** **61- NSF/ANSI 61**
Contact MWF to inquire about custom materials and configurations				***ISW is standard**		