

DW Series – 61



Precision-Wound Filter Cartridges for Municipal Water

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 (DHC) 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, 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 4” to 72”.

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 VOCs and a variety of metals such as lead) and an on-site audit of our quality system.



Benefits

- NSF/ANSI 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 cartridge changes
- Continuous lengths up to 72” (183cm)

Applications

- Municipal water
- Pre-filtration for membrane/ reverse osmosis (RO) systems –fresh water
- Pre-filtration for membrane/ reverse osmosis (RO) systems – desalination
- POE (point-of-entry) potable water filtration
- Other potable water or food/beverage applications where 61 is recognized

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Precision Wound Filter Cartridges



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

Specifications

Cartridge ID:
1" (2.6 cm) nominal std.
1.22" (3.1cm) and 1.5" (3.8 cm) optional

Cartridge OD:
2" (5cm) to 4 1/2" (11.4 cm)

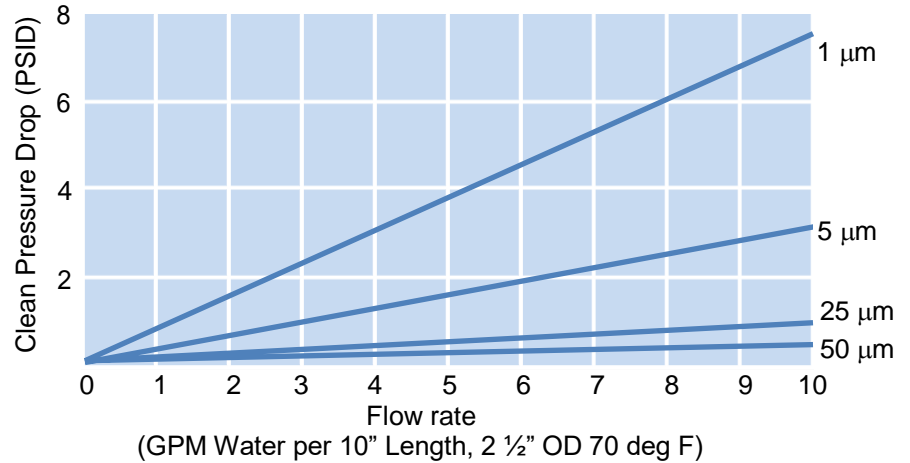
Length
3" (7.6 cm) to 72" (183 cm)
special lengths available

Efficiency: 90% nominal; 80% below 3 micron

Recommended max Change-Out Differential Pressure
30 PSID (2 bar)

Maximum Differential Pressure
60 PSID (4 bar)

Pressure Drop vs. Flow Rate (Polypropylene Medium)



NSF/ANSI 61

Bearing this IAPMO R&T mark provides assurance to regulatory personnel, contractors, specifiers, installers and end-users that the product meets applicable requirements.

Box Quantities

standard quantity (optional quantity)

	9.75"-10" length	20" length	30" length	40" length
2 3/8- 2 1/2" o.d.	40 (30)	20 (15)	20 (15)	20 (12)
4.5" o.d.	10	5	5	-

Model/Code Ordering Information

CARTRIDGE TYPE	MICRON RATING	FILTER MEDIUM	LENGTH INCHES	CORE TYPE	OUTSIDE DIAMETER	OPTIONS	O-RINGS	CERTIFICATION	
DW	0.5	01-FDA	3.75	1 - 1" id	A-2"	N - polyester core cover	(where applicable)	61 - NSF/ANSI 61	
	1	Polypropylene	4		B-2 1/4"	Y - polypropylene core cover			
	3		4.75		C-2 3/8"				
	5		5		D-2 1/2"	2SP - 222 w/ plug			[blank]
	10		6		E-2 5/8"	2SD - 222 w/ flat cap "disc"			Buna-N (Nitrile)
	15		9.75		G-3"	2SF - 222 w/ fin			E - EPDM
	20		10		H-4"	6SP - 226 w/ plug			
	25		12		I- 4 1/4"	6SD - 226 w/ flat cap "disc"			
	30		12.5		J-4 1/2"	6SF - 226 w/ fin			S - Silicone
	50		19.5			E - Extended Core			
	75		20			GP - Polyethylene gaskets			
	100		24.5			P - plug in one end			
	125		29.25			SPR - polypro spring			
	150		30			SPR-E polypro spring on one end and polypro extender other end			
	200		36			2SPRE - polypro 222 adapter one end, polypro spring other end			
	39								
	40								
	50								
	72								

Example: DW-5-01-40-1-D-2SD-E-61 5
Micron, FDA polypro string wound filter, 40" Length, 1" id polypro core, 1/2" OD, 222 O-ring adapter with flat cap end, EPDM O-rings, NSF/ANSI 61 certified