

FUSION™

DWMC Series

Wound / Melt Blown Filter Cartridges



The New FUSION™ DWMC Series Liquid Filters from Delta Pure Filtration feature “Melt Blown media on the inside for confidence, and Precision String Wound media on the outside for performance.” By fusing melt blown and string wound technology into the same filters, Delta Pure Filtration can help customers achieve longer filter life and cleaner fluids.

These filters have a rigid inner core to provide strength, a polypropylene (FDA listed per 21 CFR 177.1520) melt blown downstream section to provide enhanced contaminant retention, and a string wound upstream section for pre-filtration. An FDA-listed polypropylene wound section is available. Versions of the filter certified to NSF / ANSI 61 are available.

The FUSION™ DWMC series of filters offers a flexible format: a choice of melt blown section rating, string wound section material, and string wound section rating, so that a filter can be tailored to each unique process. A variety of end fittings enables installation into most any type of filter housing.

A FUSION™ filter can be a magic bullet for solving a challenging contamination problem, improving process efficiency, and lowering filtration costs.



FUSION™ DWMC Series filters have a string wound pre-filtration zone and melt blown final filtration zone. Melt blown section shown protruding for illustrative purposes.

Benefits

Addresses a variety of contaminant sizes and types within one filter

High sediment-holding-capacity for longer time between filter cartridge changes

High-performance, yet economical

Bonded fiber melt blown section prevents fiber migration / media migration

Variety of sizes and configurations to ensure proper sizing, fit and sealing

Applications

Potable water

Process water

Pre-filtration for membrane/ reverse osmosis (RO) systems

Food, beverage, and cosmetics

Plating, etching, and recirculating baths

Aqueous chemicals, acids, bases

Oils, fuels, and organic solvents

Fracking, completion and brine fluids

FUSION™ DWMC Series

Precision Wound Filter Cartridges



The FUSION™ DWMC filter is available with a variety of pre-filtration materials and end fittings.

Specifications

Core material: polypropylene (other materials available)

Cartridge ID:
1" (2.6 cm) nominal std.

Cartridge OD:
2.5" (5cm) to 4 1/2" (11.4 cm)

Length
3" (7.6 cm) to 50" (183 cm)

Efficiency: 90% nominal

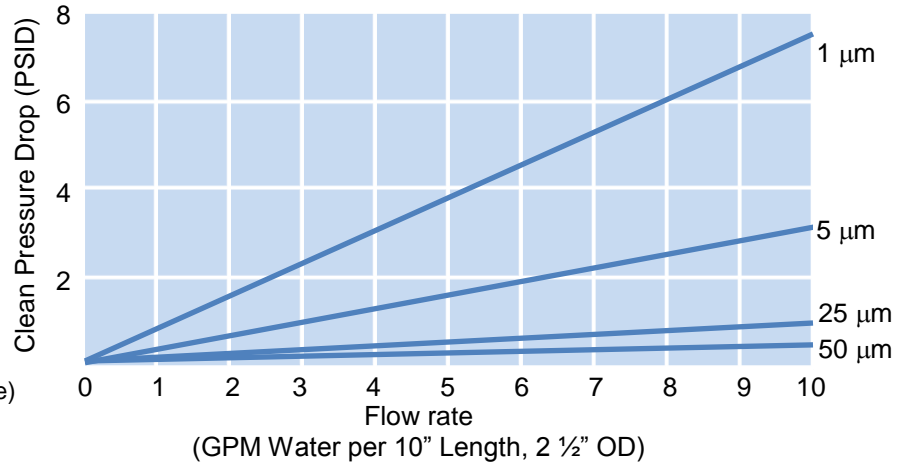
Recommended Change-Out Differential Pressure
15 PSID (1 bar)

Maximum Differential Pressure
60 PSID (4 bar)

Maximum Temperature: 180 deg F

Pressure Drop vs. Flow Rate (estimated)

(Refer to melt blown section rating)



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

Packaging

2 1/2" OD Box Quantities:
10" – 40/box;
20", 30", 40", 50" – 20/box

4 1/2" OD Box Quantities:
10" – 10/box
20" – 5/box

Versions of this filter certified to NSF / ANSI 61 are available.
Please contact Delta Pure Filtration for more information.

Model/Code Ordering Information: DWMC-

WOUND SECTION MICRON RATING	FILTER MEDIA	LENGTH INCHES	MELT BLOWN SECTION MICRON RATING	OUTSIDE DIAMETER	OPTIONS	O-RING CODE (for 2SP, 2SD, 2SF, 6SP, 6SD, 6SF options)
0.5	01-FDA Polypropylene	3.75	0.5	D-2 1/2"	[blank] –plain ends	[blank] - Nitrile
1	02-Fibrillated Polypropylene	5	1	F-2 3/4"	2SP - 222 w/ plug*	E - EPR
3	03-Industrial Polypropylene	10	3	G-3"	2SD - 222 w/ disc*	S - Silicone
5	06- FDA Bleached cotton	20	5	H-4"	2SF - 222 w/ fin*	V - FKM elastomer
10	15- Glass Fiber	29.25	10	I- 4 1/4"	6SP - 226 w/ plug*	
15	20- Antimicrobial	30	15	J-4 1/2"	6SD - 226 w/ disc*	
20	Polypropylene	40	25	Nominal diameters.	6SF - 226 w/ fin*	
25	Other materials available.	50	50		E - Extended Core	
30	* Note: Asterisked end fittings are affixed using an adhesive per 21 CFR 175-105. Gaskets for ECP end fittings are "PPR" (polypropylene random). EC (PVC endcaps) do not have separate gaskets, as the endcaps themselves provide seal surfaces.				EC - End Caps PVC*	
50					ECP - End Caps Polypro*	
75					GP- Polyethylene Gaskets	
100					SPR- Polypro Spring*	
125						
150						
200						

Example: DWMC-10-01-20-1-D 10 Micron wound pre-filtration section of FDA polypropylene yarn, 20" filter length, 1" ID polypropylene core, 1 micron melt blown downstream section, 2 1/2" OD, plain ends