

EEF Series

Extremely Efficient Wound Filter Cartridges

AJR Filtration proudly offers the EEF Series of string wound filters, formerly sold under the Delta Pure® name. EEF "Extremely Efficient Filtration" Series string wound filters employs a 3-ply SMS polypropylene nonwoven final filter layer downstream of a wound pre-filter section. These filters remove a much higher percentage of fine particulate compared to traditional string wound filters - up to 99% of 0.5 micron particles. Filter users with challenging fluids who need to remove particulates at or below 1 micron diameter as well as those who want the economics and chemical compatibility of a string wound filter, have long relied on the EEF Series. Nominal ratings of 0.2, 0.5, 1 and 2 micron are available.



EEF Series string wound filter cartridges are available in a variety of sizes and configuration

The EEF series of depth filters offer a choice of pre-filtration media and support cores. End fitting options allow the retrofitting of most filter housings. Precision winding geometry provides consistent and controlled pre-filtration to the downstream nonwoven final layer in order to achieve high dirt holding capacity. Cartridges are available in continuous lengths from 3" to 72" and diameters from 2" to 4-1/2".

Applications

- Process water
- Catalyst fines removal
- Inks, paints, coatings
- Carbon Fines
- Pre-filtration for membrane/ reverse osmosis (RO) systems
- Food and beverage
- Chemicals, acids, bases
- Solvents, organics

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
- Efficient removal of particles < 1um
- 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





Specifications

Materials:

Core:

As selected by customer (See table below)

Downstream Medium:

Polypropylene

Pre-filtration Wound Section:

As selected by customer (see table below)

Cartridge ID:

1" nominal standard

Cartridge OD:

2" to 4 1/2"

Length:

3" to 72"

Special lengths available

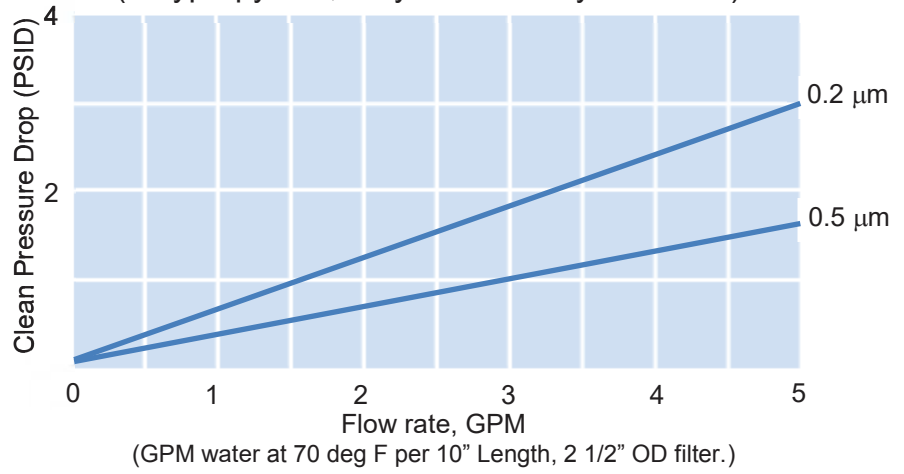
Efficiency:

0.2 micron: 99% efficient for 0.5 micron particles

0.5 micron: 95% efficient for 0.5 micron particles

Maximum Temperature: 180° F

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



Maximum Differential Pressure (DP):

60 PSID (4 bar)

Recommended Max Change-Out DP:

30 PSID (2 bar)

Recommended Flow (Typical):

1-2 GPM/10" length

Example:
EEF-0.5-03-40-3-D-E-ISW

EEF	-	0.5	-	03	-	40	-	3	-	D	-	E	-	ISW
Micron Rating		Wound media		Pre-Filter		Length		Core Type		Outside Diameter		Options		

EEF Model/Code Ordering Info

MICRON RATING	FILTER MEDIA	LENGTH INCHES	CORE TYPE	OUTSIDE DIAMETER	OPTIONS	O-RINGS
0.2	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
0.5	02 - Fibrillated polypropylene	3.75	3 - Tinned steel	B- 2 1/4"	NF- Fiberglass core cover	
1	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	
	06 - FDA bleached cotton	5		E- 2 5/8"	2SPR - 222 w/ spring top*	
	10 - Teflon	6		*H- 4"	2SD - 222 w/ disc*	
	11 - Nylon	9.75		*J- 4 1/2"	2SF - 222 w/ fin*	
	13 - Polyester	10			6SPR - 226 w/ spring top*	
	15 - Fiberglass	12			6SD - 226 w/ disc*	
	18 - PPS (Ryton equivalent)	12.5			6SF - 226 w/ fin*	
	21 - Aramid	19.5			E - DOE, extended core	
		20			EC - Platisol end cap	
		24.5			P- Plug in one end	
		29.25			SPR- SOE, with polypro spring	
		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				

Contact AJR to inquire about custom materials and configurations