

EcoWound™ Process-Water Filters

string wound filters for produced water, waste water, and remediation

Service companies engaged in treatment of produced water/flowback water, remediation of groundwater, or filtration of other waste waters, frequently need to reduce TSS to meet regulatory standards or to protect downstream equipment in the lowest-cost method possible, and on short notice. String wound filters from Delta Pure Filtration are frequently employed for this purpose. To better meet the needs of these customers, Delta Pure Filtration has created the economical and ecological **EcoWound™** Process water filter series which utilizes a filter medium comprised of recycled cotton, polyester, and polypropylene. Delta Pure Filtration keeps materials on hand, and works three shifts in order to provide the shortest possible lead times.

Removal ratings range from 0.5 micron to 200 microns nominal. An optional polyester core-cover adds a 50 micron downstream layer for additional security. A polypropylene core provides strength. Many other filter and core materials are available.

Note: except for this unique filter medium designated as recycled, all our filter media are of virgin materials.



*The **EcoWound™** filter's gray and multicolored filter medium of recycled polypropylene, polyester and cotton offers excellent filtration and superior economics.*

Benefits

- Robust construction
- Protects producing and disposal formations
- Improves performance and extends life of downstream purification components
- Offers high sediment-holding-capacity for longer time between filter cartridge changes
- Comes in continuous lengths up to 72"
- Withstands exposure to broad range of chemicals
- Reduces TSS to assist in compliance with downstream (POTW, NPDES, etc.) requirements

Applications

- Produced water
- Flowback water
- Waste water
- Ground water remediation
- Fracking fluids
- Completion fluids
- Waterflood
- Injection wells, injection fluids
- Protection of downstream separations equipment

EcoWound™ Filters

Economical, Ecological String Wound Filters



Delta Pure Filtration provides a variety of sizes, configurations, and end fittings to fit most filter housings. Contact Delta Pure for filter housings too!

Specifications

Cartridge ID:

1" (2.6 cm) nominal standard
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

Max. Change-Out Differential Pressure 30 PSID (2 bar)

Maximum Differential Pressure 60 PSID (4 bar)

Maximum temperature: 180 F

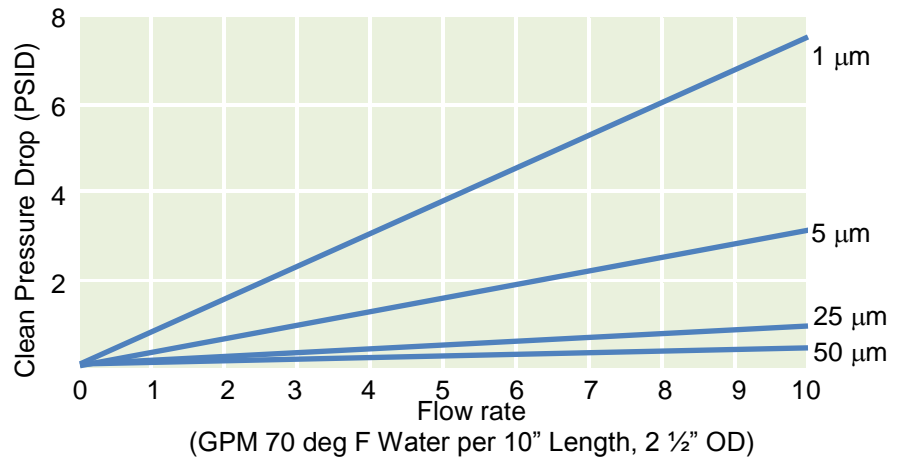
Model/Code Ordering Information

CARTRIDGE TYPE	MICRON RATING	FILTER MEDIUM	LENGTH INCHES	CORE TYPE	OUTSIDE DIAMETER	OPTIONS
DW - Precision Wound Filter Cartridge	0.5	33 - EcoWound™ filter Recycled Polypropylene, Cotton and Polyester	9.75	1 - 1" id Polypropylene	A-2"	[blank] – no options, DOE 2SD -222 w/ Disc 2SF -222 w/ Fin 2SP -222 w/ Plug 6SD - 226 w/ Disc 6SF 226 w/ Fin 6SF 226 w/ Fin E - Extended Core. EC -End Caps PVC ECP - Polypro End Caps N -Polyester Core Cover (50 micron nominal) NF -Glass Nonwoven Core Cover (50 micron nominal) P -Plug in one end SC -Sock Cover SPR - Polypro Spring
	1		10	2 - 1" id Glass Filled Polypropylene	B-2 1/4"	
	3		12	3 - 1" id Tinned Steel	C-2 3/8"	
	5	Many other filter media are available.	12.5	4 - 1" id 304 SST	D-2 1/2"	
	10		19.5	5 - 1" id Polyester	E-2 5/8"	
	15		20	6 - 1" id 316 SST	F-2 3/4"	
	20		24.5	7 - 1" id Nylon	G-3"	
	25		29.25	8 - 1.22" id Polypropylene	H-4"	
	30		30	9 - 1.56" id Polypropylene	I- 4 1/4"	
	50		36	10 - 1.56" id tin steel	J-4 1/2"	
	75		39	11 - 1.56" id 304 sst	fits Big Blue® (trademark of Pentair) housings	
	100		40	12 - 1.75" id Polypropylene		
	125		50			
	150	72				
200						

Example: DW-5-33-40-3-D-E

5 Micron, EcoWound™ filter, 40" Length, 1" id Tinned Steel Core, 2 1/2" OD, Extended Core Option

Pressure Drop vs. Flow Rate



Materials

Filter Medium: recycled polypropylene, cotton and polyester
Core: polypropylene (other materials available)
Optional core cover: polyester (50 micron nominal)

Box Quantities

2 3/8" OD – 2 1/2" OD: 10" – 30/box; 20", 30", 40"– 15/box
50"– 20/box

4 1/2" OD Box Quantities: 10" – 6/box; 20" 6/box