

# *Filtration inc.*

## Quality Industrial Filtration Products

5990 Griggs Rd. • Houston, TX 77033 • Phone: (713) 644-5712 • Fax: (713) 641-6083

## FILTER MEDIA SELECTION GUIDE

### Filter Media Table

Media	Symbol	Max Temp	Applications/Characteristics
Bleached Cotton	BC	300 F	Potable liquids, organic solvents, water, dilute acids, alkalis, and petroleum oils
White Cotton	C	300 F	Organic solvents, oils, organic acids and alkalis
Natural Cotton	U	300 F	Petroleum oils, amines, organic solvents, dilute acids
Industrial Polypropylene	P	175 F	Strong acids, concentrated alkalis, water, oils, organic solvents and micro organism resistant
Polypropylene FDA	PD	175 F	Animal, vegetable and petroleum oils, potable liquids, strong alkalis
Fibrillated Polypropylene	F	175 F	Strong acids, alkalis, water, oils, organic solvents, micro-organism resistant
Fiberglass	G	750 F	Organic acid, oxidizing agents, strong and dilute acids as well as micro organism resistant
Polyester	Y	300 F	Organic solvents, water, dilute oxidized agents and chemical compatibility similar to cotton
Nylon	N	300 F	Used in specialized applications; organic solvents, and oils
Acrylic	O	300 F	Organic solvents, strong acids

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## FILTER CORE SELECTION GUIDE

### Core Descriptions

Core	Symbol	Max Temp	Characteristics
Tinned Steel	T	400 F	Mild steel used in hydrocarbon and other general applications
Polypropylene	P	175 F	Applications with lower temperatures, good chemical resistance for fluids or gases, and may be incinerated for disposal
304 Stainless Steel	S	750 F	High temperature applications, moderately corrosive resistant
316 Stainless Steel	A	750 F	Very corrosive resistance, high temperature applications
Special	X		Special applications on a case-by-case basis

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## SELECTION GUIDE

### **Filter Medium:**

The proper filter media is to be selected based upon chemical compatibility guides and parameters specific to operating temperature

### **Center Core:**

The least expensive center core materials are tinned steel and polypropylene: the actual selection is a function of temperature and corrosive environments. Stainless steel cores are available in both 304 and 316 grades depending upon the level of corrosion for the given application.

### **Industry Standards Dimensions:**

**Outer Diameter:** 2.5" Standard

Optional Outer Diameters: 2", 2.25", 2.38", 2.75" up to 8" are available.

**Inside Diameter:** 1" Standard

Optional Inside Diameters are available up to 3.5"

**Length:** Standard lengths are in increments of 10" with 10, 20, 30, & 40 inches being the most frequently ordered. Actual lengths are available from 3" to 72" including fraction sizes i.e. 9.75", 19.50", 29.25", 29.50" etc.

**Note:** The commonly used "Wildcatter" style cartridge is also available in all the popular sizes including 3" x 36" and 3" x 72" in a number of media. These replace the typical 336 and 372 Peco series.

### **Micron Ratings:**

Available in nominal removal ratings of 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 75, 100, 150, and 200 microns.

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## FI Series Yarnwound Filters

**FI C 20 R 10 S - - -**

**TYPE**  
FI - Filtration

**MEDIA**

BC - Bleached Cotton FDA  
 C - White Cotton  
 U - Natural Cotton  
 P - Industrial PP  
 PD - FDA PP  
 F - Fib PP  
 G - Fiberglass  
 Y - Polyester  
 N - Nylon  
 O - Acrylic  
 R - Rayon  
 X - Special

**MICRON RATING**

0.50	10	30	125
1	15	50	150
3	20	75	200
5	25	100	350

**DIAMETER**

T - 2"	S - 2.75"	B - 4"
E - 2.25"	P - 3"	W - 4.5"
F - 2.375"	Y - 5.5"	X - Spec
R - 2.5"	H - 5.75"	
N - 2.625"	U - 3.5"	

**LENGTH**

3.25"	9"	19.5"	39"
4"	9.75"	20"	40"
5"	10"	27"	50"
6"	12"	29.25"	60"
7"	12.5"	30"	70"
8"	18"	36"	72"

**Packaging**  
 IW - Individual Wrap  
 L - Individual Label

**END TREATMENT**

E - Poly or 316SS Core Ext  
 EC - Extended Crimped Core  
 G - Gasket (As Specified)  
 M - Metal Cap  
 PS - PP Spring  
 S - Metal Spring  
 ACS - 3" OD Cap & Spring

**CORE COVER**  
 V - Comp. Media  
 No Symbol - None

**CORE**

T - Tin Plated Steel  
 P - PP  
 S - 304SS  
 A - 316SS  
 TW - 1.6" ID Tin Plated Steel  
 PW - 1.6" ID PP  
 SW - 1.6" ID 304SS  
 X - Special

[TOC](#)