

# MTX Resin Bonded Filters



Economical Depth Filtration at higher flow rates and higher viscosities. Schroeder cartridges have a two-stage filtration design to maximize particle removal and service life in viscous fluid filtration applications.

Schroeder cartridges are available in several different micron ratings including 1, 2, 3, 5, 10, 25, 50, 75, 100, 125, 150, 200 and 250 to meet a wide variety of performance requirements.

## Benefits

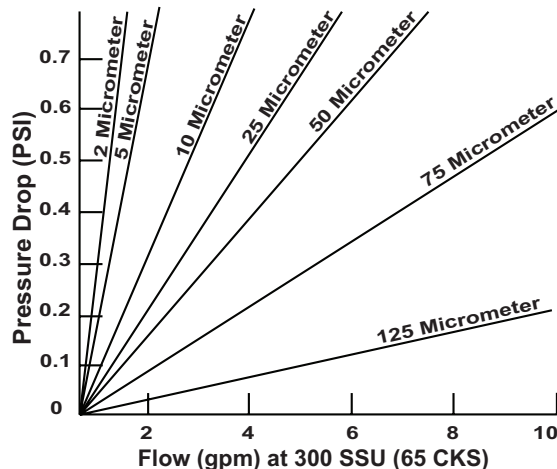
The unique winding of continuous polyester media makes it possible to provide:

- Same rigid structure as industry standard resin bonded without the environmentally harmful phenolic resin
- True gradient density
- Consistent particle removal efficiencies
- Extended cartridge life
- PH range from 4 to 10 in most applications
- Extensive chemical compatibility
- Wide range of effective applications
- Silicon free construction ensures no contamination to adversely affect adhesion properties of coatings
- Outer layers collect large particles, while inner layers control particle removal at rated size
- Available with optional end treatments
- Withstands pressure surges up to 100psi across cartridge
- Unique polyester media formulation strengthens cartridge for use with fluid viscosities up to 15000 SSU

## Typical Applications

- Abrasives
- Adhesives
- Animal Oils
- Chemical coatings
- Emulsions
- Injection Well
- Organic Fluids
- Organic Solvents
- Paints
- Petroleum
- Plasticizers
- Printing Inks
- Process Water
- Resins
- Waxes

<b>Media:</b> Polyester
<b>Material:</b> Resin Bonded Polyester
<b>End Caps:</b> Polypropylene or 316 SS
<b>Center Core:</b> 304 SS, 316 SS, Tin
<b>Length:</b> 9.75 to 40 in. (24.77 to 101.6 cm) nominal
<b>Outside Diameter:</b> 2.70 in. (6.89 cm) nominal
<b>Inside Diameter:</b> 1.06 in. (2.69 cm) nominal
<b>Element Change Out:</b> 50 psi (3.5 bar)
<b>Maximum Operating Temperature:</b> 250°F (121°C)
<b>Efficiency:</b> 90%



## Specifications

## Pressure Drop

## Filter Model Number Selection

How to Build a Valid Model Number for an MTX Resin Bonded Cartridge:

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Example: NOTE: One option per box

BOX 1	BOX 2	BOX 3	BOX 4	BOX 5	BOX 6	
MTX	50	A	9.8	T	K	= MTX50A9.8TK

BOX 1	BOX 2	BOX 3	BOX 4
<b>Element</b>	<b>Micron Rating</b>	<b>Cartridge Diameter</b>	<b>Length</b>
MTX = Polyester	1 = 01 µm 2 = 02 µm 3 = 03 µm 5 = 05 µm 10 = 10 µm 25 = 25 µm 50 = 50 µm 75 = 75 µm 100 = 100 µm 125 = 125 µm 150 = 150 µm 200 = 200 µm 250 = 250 µm	A = Standard 2.5"	9.8 = 9.75" 10 = 10" 19.5 = 19.5" 20 = 20" 29 = 29" 29.3 = 29.25" 29.5 = 29.5" 30 = 30" 39 = 39" 40 = 40"
BOX 5	BOX 6		
<b>Core Options</b>	<b>End Caps</b>		
A = 304 SS S = 316 SS T = Tin Core	Blank = DOE J = Polypropylene Extender K = Ext Crimped Core L = Spring M = 316 SS Metal Extender		