

Hypure™ Resin-Bonded Fiber Glass Filter Cartridges

Features and Benefits

- Holds more dirt
- Higher efficiency
- Less change-outs
- Faster flow rates
- Consistent quality

Applications

- Printing inks
- Acids
- Fuels
- Paints and varnishes
- Photo resists
- Lubricating oils
- Solvents
- Coatings
- Coolants
- Antifreeze
- Thinners
- Water
- Insecticides

Materials of Construction

■ Coreless	40 psi	(2.8 bar)
■ Tin-coated steel core	70 psi	(4.8 bar)
■ Polypropylene core	75 psi	(5.2 bar)
■ Heavy tin/heavy poly core	125 psi	(8.6 bar)

Micron Ratings and Dimensions

Available in nine standard micron ratings, (micron ratings are based upon low viscosity liquids. Filters can be slightly tighter in high viscosity applications)
1, 3, 5, 10, 15, 25, 50, 75, and 100 microns

Selected Lengths

Inches	9.75	10	19.5	20	29.25	30	39	40
Centimeters	24.8	25.4	49.5	50.8	74.3	76.2	99.1	101.

Standard Diameters:

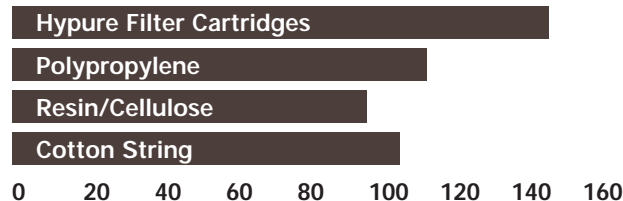
Outside Diameter	2.60	Inside Diameter	1-inch nominal
------------------	------	-----------------	----------------

Lower Cost Per Gallon Filtered

How longer filter life saves you money.

The following graph shows the relative life characteristics of several types of depth filter cartridges commonly used in industrial filter applications. This increase in filter life often as high as 40%, translates into significant cost savings in a variety of cost centers.

Relative Cartridge Life, %



An audit of a coatings operation revealed the following:

Cartridge costs	10% more	Inventory costs	16% less
Cartridge usage	20% less	Changeout labor	20% less
Filter downtime	20% less	Disposal costs	35% less
Filtrate losses	5% less	Equipment wear	2% less
Cleanup costs	2% less		

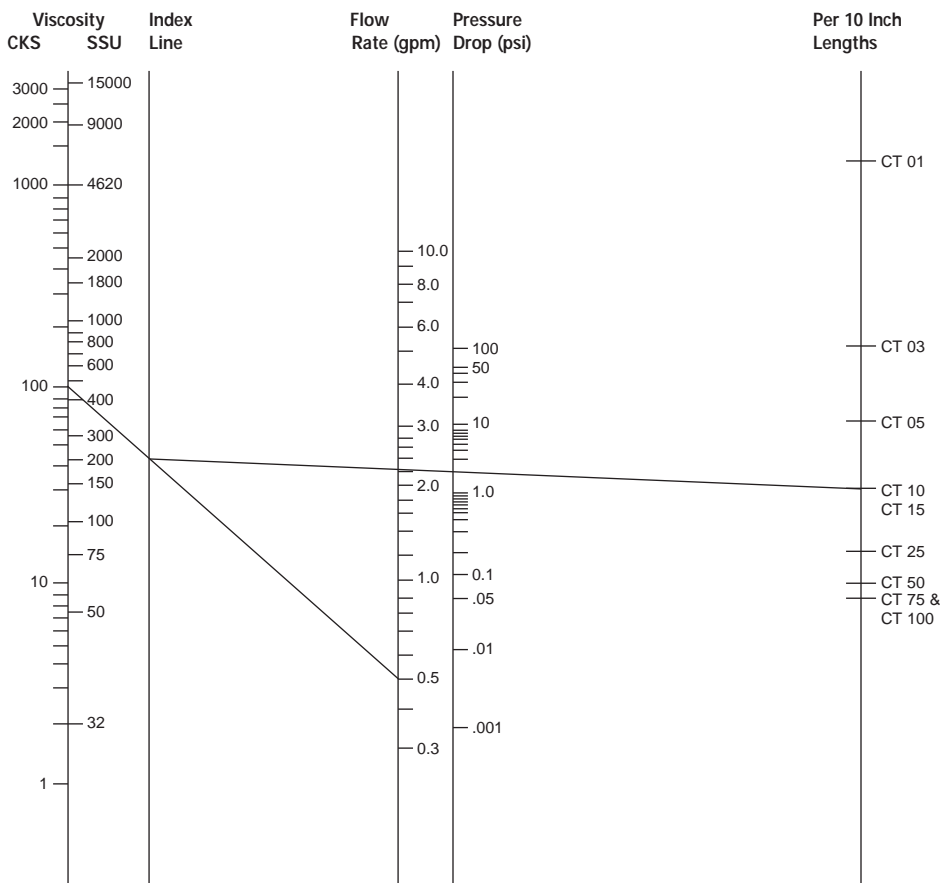
Overall savings using Hypure Filter Cartridges 25%

Of course, actual savings will vary from application to application and site to site. Also, for processes using batch filtration, additional savings can be realized by using smaller or fewer housings, since fewer Hypure cartridges would be needed to filter a given batch size.

The Hypure Advantage
Lower cost per gallon filtered. **The Hypure filter is the only resin-bonded fiber glass filter cartridge currently on the market.** The glass fiber construction allows more void volume and greater number of pores—which enable Hypure to filter more gallons per filter than competing resin-bonded and string wound filters.



Nomograph for High Viscosity Liquids Per 10 Inch Lengths



Non-Aqueous Liquids

In order to size a housing, a determination must be made of several variables: the desired micron size, the pressure drop permitted, the maximum flow rate and the fluid viscosity. If any three are known, the fourth may be plotted on the nomograph at left.

Example:

1. Draw a line from the desired Micron Size (Cartridge Type) through the desired initial Pressure Drop to intersect with Index Line.
2. Draw a second line from Fluid Viscosity through the Index Line intersection to determine the recommended Flow Rate.
3. Read Flow Rate in GPM.

Ordering Information

Example: CT15-9.75-1

Stocking Material	Core Type	Nominal Micron Rating	Length inch (cm)
C = Cotton	P = Polypropylene	01	9.75 (24.8)
P = Polypropylene	HP = Heavy polypro	03	10.0 (25.4)
NS = No stocking	T = Tin-Coated steel	05	19.5 (49.5)
	HT = Heavy tin-coated steel	10	20.0 (50.8)
	N = No core	15	29.25 (74.3)
		25	30.0 (76.2)
		50	39.0 (99.1)
	Available Addition	75	40.0 (101.6)
	-1 = veiled core	100	



Minnetonka Operations Registered

For More Information:

Call Osmonics Filtration and Separations Group at (952) 933-2277 or (800) 848-1750, or visit www.osmonics.com



OSMONICS

North American Sales

5951 Clearwater Drive
Minnetonka, MN
55343-8995
USA
(952) 933-2277 Phone
(952) 988-6060 Fax

Latin American Sales

Rua Pastuer, 463, 13 Andar
Centro Empresarial Jactoba
Curitiba - PR, CP 80250-080
BRAZIL
+55 41 312 1691 Phone
+55 41 312 1699 Fax

Euro/African Sales

230 rue Robert Schuman
ZA des Uselles
77350 Le Mée sur Seine
FRANCE
+33 1 64 10 2000 Phone
+33 1 64 10 3747 Fax

Asian/Pacific Sales

1044/8 SOI 44/2
Sukhumvit Road Prakanong
Bangkok 10110
THAILAND
+66 2 38 14213 Phone
+66 2 39 18183 Fax