



- Resin bonded micro-fiberglass for economical and efficient filtration in high operating temperature and viscous fluids
- Gradient density construction provides enhanced dirt holding capacity and consistent retention efficiency
- Grooved exterior provides increased surface area for greater dirt holding capacity and longer service life
- Wide range of pore sizes from 0.5 through 125 microns
- Available with polypropylene, tin and stainless steel cores for maximum structural strength

Applications

| | |
|---------------|-----------------------|
| Printing Inks | Paints and Varnishes |
| Coatings | Solvents and Thinners |
| Acids | Antifreeze |
| Coolants | Lubricating Oils |
| Fuels | Photoresists |
| Insecticides | Process Water |

Specifications & Operating Parameters

Pore Sizes

0.5, 1, 3, 5, 10, 25, 50, 75, 125 microns

Nominal Lengths

9 3/4", 10", 19 1/2", 20", 29 1/4", 30", 39", 40"

Materials of Construction

Filter Media: Phenolic Resin Bonded Glass Fiber

Core: Polypropylene, Tin, Stainless Steel

Cover: Cotton, Polypropylene

Maximum Temperature and Pressure Drops

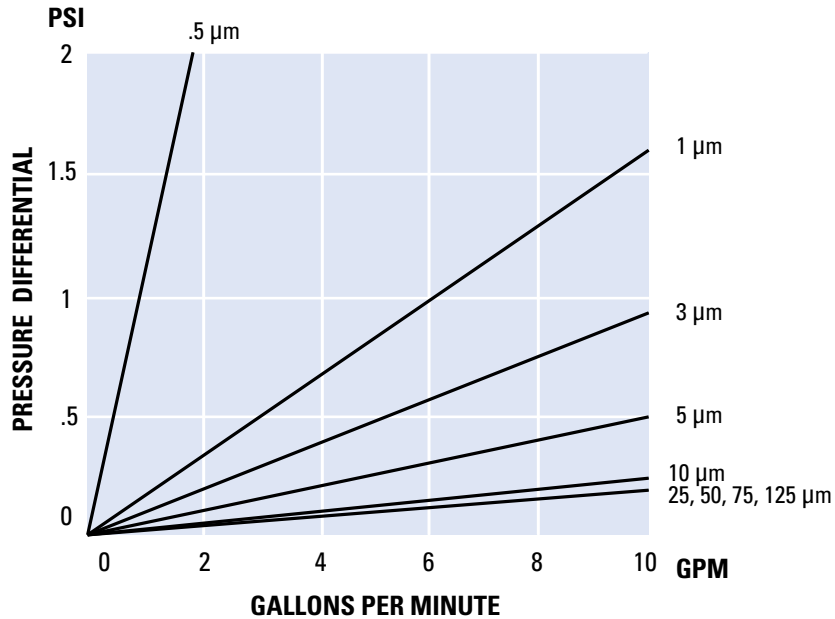
| Core Material | Maximum Temperature | Maximum Pressure Drop |
|-----------------|---------------------|-----------------------|
| Polypropylene | 160°F (71°C) | 75 psi (5 bar) |
| Tin | 300°F (148°C) | 100 psi (7 bar) |
| Stainless Steel | 300°F (148°C) | 100 psi (7 bar) |

Maximum Temperature for water is 150°F (71°C) regardless of core material.

Recommended Change-out Differential Pressure

25 – 30 psid (1.6 – 2.1bar)

Flow vs. Pressure Drop



This chart represents the typical flow rate per 10" cartridge length. The test fluid is water at ambient temperature. Extrapolations for multiple lengths tend to be linear, but as flows increase the differential pressure across the housing becomes more apparent.

Ordering Guide (Example: R10-T5C)

| R | 10 | - | T | 5 | C | |
|-------|--|---|--|---|---------------------------------|-------------------------------|
| MODEL | LENGTH | | CORE | MICRON | COVER | OPTION |
| R | 975 = 9 3/4" 10 = 10" 195 = 19 1/2" 20 = 20" 294 = 29 1/4" 30 = 30" 39 = 39" 40 = 40" | | P = Polypropylene T = Tin Coated Steel S = Stainless Steel | 0.5 1 3 5 10 25 50 75 125 | C = Cotton P = Polypropylene | Blank = None 1 = Core Veil |



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