

MRB FDA GRADE FILTER CARTRIDGES

NEW **WHITE** MRB FILTER CARTRIDGE



A new white Melamine Resin Bonded (MRB) cartridge has been developed by intrinsically bonding cellulose fibers together with a pure melamine resin. By cross-linking cellulose and melamine, a cartridge of great strength has been developed that can be successfully used in elevated temperatures and higher viscosity applications.

- MRB cartridges are available in micron ratings of 0.8, 1, 5, 10, 20, 50 and 100 to meet a wide range of performance requirements.
- MRB cartridges are available in continuous lengths up to 40 inches.
- MRB cartridges are available with smooth or grooved exteriors.

Applications

- Food Processing
 - Edible Oils
 - Thick Oils
 - Molasses
 - Wine
 - Process Water
 - Beverages
 - Tomato Paste
 - Vinegar
- Pharmaceutical and Cosmetic
- Plasticizers and Plastics
- Petroleum Products
- Fuels
- Chemical Processing
- Inks & Dyes

Features and Benefits

- Meets or exceeds FDA specifications for food and pharmaceutical filtration
- Extremely porous and rigid structure can withstand operating temperatures up to 250° F
- Excellent particle removal efficiencies
- Unique design ensures cartridges do not impart any taste, odor, or color
- Withstands pressure differentials up to 230 PSID
- Extraordinary permeability ratings allow higher flow rates and longer cartridge life
- Matrix design eliminates deformations and allows for easy change outs
- High ΔP rating results in excellent performance with high viscosity fluids

GROOVED AND SMOOTH CARTRIDGES

Smooth cartridges are preferred when strength is a major concern. They also have the advantage of being able to allow recovery of solids off smooth surfaces, as in dewatering and catalyst recovery.

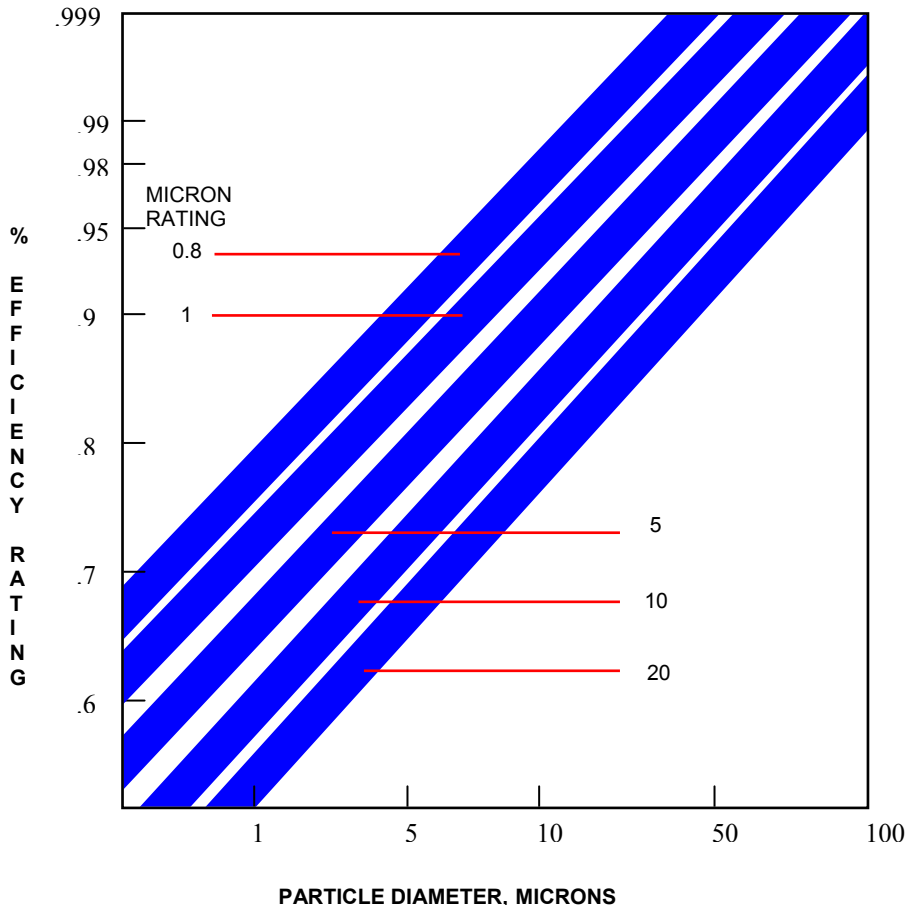
Grooved cartridges are designed to provide 68% more surface area to provide greater dirt holding capacity.

Both cartridge styles are available in continuous lengths from 9¾ through 40 inches and micron sizes of 0.8 to 100. Custom lengths are available.

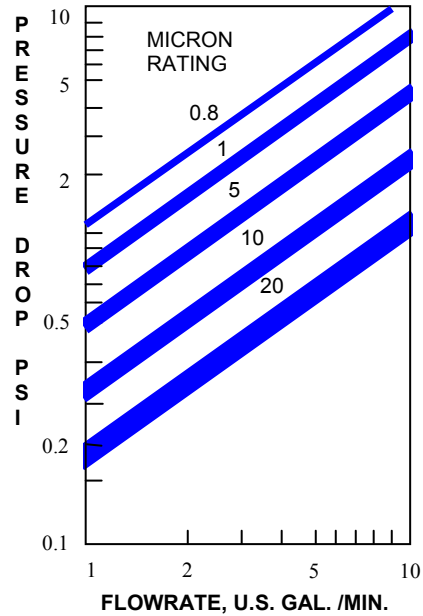
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Properties

PERFORMANCE MEASURED
BY ASTM F1170-88



PRESSURE DROP



Efficiency is based in the rate that individual sized particles of AC Test Dust are separated from 70°F (21°C) water, in feeding that mixture to a 9 3/4" cartridge at 2 GPM (7.6 LPM) at the start of a prolonged test.

Micron ratings shown are based on performances comparable to similarly rated cartridges now on the market.

Ordering Information

| Cartridge Name | Nominal Micron Rating | Surface Style | Length |
|-----------------------|---|---------------------------|--|
| Melamine Resin Bonded | 0.8 µm 1 µm 5 µm 10 µm 20 µm 50 µm 100 µm | G = Grooved U = Smooth | 975 = 9.75" (248mm) 195 = 19.5" (495mm) 20 = 20.0" (508mm) 2925 = 29.25" (743mm) 30 = 30.0" (762mm) 39 = 39.0" (991mm) 40 = 40.0" (1016mm) |

Example: MRB5G39 -- Melamine Resin Bonded, 5 micron, Grooved, 39" length

