

MF ResinBonded

Resin Bonded Acrylic Phenolic (AP) or Cellulose Melamine (CM)



The **Masterfilter ResinBonded** filters are manufactured from fibres bonded together by a resin, thereby creating 'rigid graded density' depth filters. **ResinBonded** filters are available either as the AP (Acrylic fibre bonded with Phenolic resin) or as the CM (Cellulose fibre bonded with Melamine resin). Bonding the fibres with the resin, creates a rigid pore structure that allows the filter to be used in demanding process conditions, such as high temperatures, high viscosities and with aggressive chemicals.



Applications

ResinBonded is ideal for retention of micro-gels, colloids, agglomerates and other polymorphous particulates and unlike the deformable 'melt-blown' and 'string-wound' filters, it prevents unloading of the contaminant under pressure. The unique manufacturing process coats the fibres with the resin and so forming a high density torturous matrix with high void volume. These features enable the **ResinBonded** filters suitability across a wide range of applications.

- Paints
- Organic solvents
- Waxes
- Lubricants
- Polishes
- Inks
- Emulsions
- Process Water
- Light oils
- Transformer oils
- Adhesives
- Varnishes
- Fertilisers
- Coolants
- Dielectric oils
- Epoxy resins
- Lacquers
- Pesticides
- Cutting fluids
- Chemicals

* Resin Bonded filters are not designed to be used in Food & Beverage or Pharmaceutical applications | Please refer to office for advice

Features and Benefits

Features	Benefit
Rigid resin bonded construction	No by-pass of fluids and contaminant unloading under pressure
Graded pore density (matrix)	High porosity with low pressure drop and filtration consistency
Coreless structure	Low disposable cost – no metals or plastics
Grooved Structure	Increases surface area allows better life to blockage
Made from continuous 20" modules (40"=2X20")	Reduced channelling between ends, no by-pass of fluid and less brittle at joints
Broad micron range (1-100um)	Suitable for wide range of applications and contaminants

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Material of Construction

Formulation	Fibres	Resin	Core	Visual Appearance	Dimensions mm (ID/OD)
AP	Acrylic	Phenolic	None	Brown / Grooved	28.0/62.5
CM	Cellulose	Melamine	None	White / Grooved	28.0/62.5

Operating Conditions

Maximum operating temperature: 120 °C / 248 °F

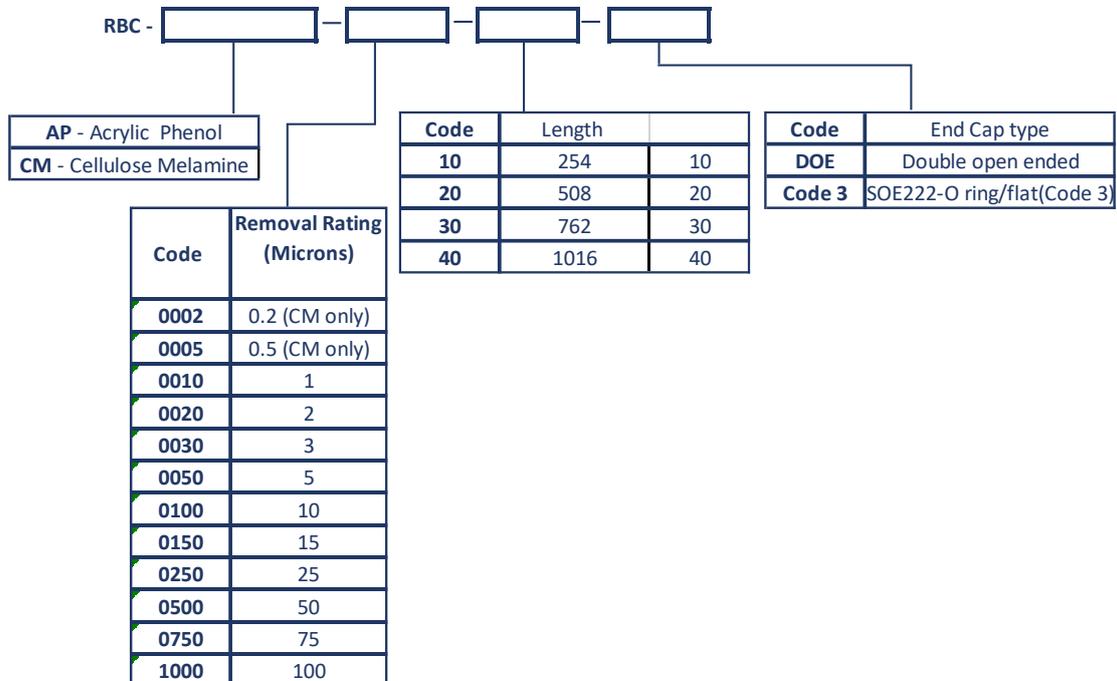
Max differential pressure change out : < 72 PSID / 5 Bar

Recommended maximum differential pressure change out : <58 PSID / 4 Bar *

Ordering Information

e.g: RBC-AP-0050-40-DOE

Acrylic Phenolic filter, 5um, 40 inch, Double open end



*please refer to office for accurate sizing as fluid viscosity and operating pressures will affect maximum change out pressure