

## Resin Bonded Filter Cartridges



### Overview

- Resin Bonded filter cartridges have a unique, Proprietary two-stage filtration design to maximize particle retention and service life in viscous fluid filtration applications.
- These Cartridges are manufactured from a fiber matrix of polyester, Acrylic or Cellulose with Phenolic or Melamine resin to create a solid highly durable & porous structure.
- The resin Impregnation increases filter cartridge strength and eliminates residual debris associated with conventional or machined and grooved resin bonded filter cartridges that ensure a stronger cartridge that is less likely to collapse

### Features & Benefits

- Outer spiral wrap collects large particles and agglomerates, Increases surface area & Eliminates loose debris and contamination caused by machined products while inner layers control particle removal at rated size
- Phenolic resin impregnation strengthens cartridge for use with high viscosity fluid and withstands pressure surges up to 150psid across cartridge (depending on fluid temperature)
- The Un-grooved version of cartridge is preferred for the reduction of gels and other deformable contaminants

### Application

- Paint Filtration
- Printing Ink Filtration
- Adhesive Filtration
- Resin Filtration
- Emulsion Filtration
- Chemical Coating Filtration
- Organic Solvent Filtration
- Plasticizer Filtration
- Wax Filtration
- Oil & Gas Fluid Filtration
- Petroleum Product Filtration

### Specification

- Materials of Construction:
  - Melamine resin Bonded Cellulose fiber cartridge(White)
  - Phenolic resin Bonded Acrylic fiber cartridge(Brown)
  - Phenolic resin Bonded Polyester fiber cartridge (Dark Brown)
- Type of Construction : Coreless ,One-piece, Rigid resin bonded fibrous matrix
- Max. Recommended  $\Delta P$ :
  - 90PSID(6.2bar)@150°F(65°C)
  - 50PSID(3.5bar)@180°F(82°C)
  - 25PSID(1.7bar)@250°F(121°C)
- Micron :2 $\mu$ m,5 $\mu$ m,10 $\mu$ m,25 $\mu$ m,50 $\mu$ m,75 $\mu$ m,125  $\mu$ m and 150 $\mu$ m
- Size: Outside Diameter:2-9/16 in (65) & Inside Diameter :1-1/8 in(28.6)
- Lengths: Nominal,10,20, 30 and 40 in.