



GRB Series

Grooved Resin Bonded Cartridges

Description

GRB Series Grooved Resin Bonded Cartridges are mainly made of acrylic fibers and resins, with the addition of adhesives, curing agents and stabilizers through high-temperature sintering. Resin bonded filters have a gradually tightening hard structure that allows the cartridges to withstand extreme viscosity and temperature without deformation or collapse. Resin bonded cartridges are loose on the outside and tight on the inside, with uniform micropores and high porosity, allowing larger particles to be intercepted on the surface of the filters, while smaller particles are intercepted on the inner layer, thereby increasing the interception capacity and service life.



Features

- No fiber shedding, high filtration rating and long service life
- Solvent resistance, corrosion resistance, and wide chemical compatibility
- Resin bonded cartridges are especially suitable for viscosity chemical liquid filtration
- Resin bonded filter cartridges are high temperature resistance and high pressure resistance
- The grooves surface structure of resin bonded cartridges expands the effective filtration area
- Resin bonded cartridges are large flow rate, low resistance, strong ability to filter particulate impurities

Specification

Filter Media	Acrylic Fiber/Phenolic Resin
Length	5"(127mm), 9.8"(248mm), 10"(254mm), 20"(508mm), 30"(762mm), 40"(1016mm)
Inside Diameter	28mm, 30mm
Outside Diameter	2.55" (65mm)
Filtration Rating	1μm, 5μm, 10μm, 25μm, 50μm, 75μm, 100μm, 125μm, 150μm, 200μm
End Cap Type	Double Open End (DOE)

Application

- Printing Inks
- Oil & Gas Fluids
- Organic Solvents
- Chemical Coatings
- Adhesives & Resins
- Petroleum Products
- Plasticizers Industry

Operation Data

Max. Operating Temperature	125°C
Max. working Pressure	25 bar
Max. Differential Pressure	4.8 bar
Applicable Acidity & Alkalinity	PH 4 - 9
Liquid Flow Direction	Outside to inside
Recommend Change out Differential Pressure	2.5 bar
Recommend Flow Rate (10" for water)	5μm: 22 L/min
	10μm: 30 L/min
	50μm: 40 L/min

Order Information

GRB	Length	Micron Rating	ID	OD	End Cap
GRB Series Grooves Resin Bonded Cartridge Filters	5 = 5" (127mm)	1 = 1μm 5 = 5μm	A = 28mm	F = 65mm	D = DOE(Double Open End)
	9.8 = 9.8" (248mm)	10 = 10μm 25 = 25μm			
	10 = 10" (254mm)	50 = 50μm 75 = 75μm			
	20 = 20" (508mm)	100 = 100μm 125 = 125μm	B = 30mm		
	30 = 30" (762mm)	150 = 150μm 200 = 200μm			
	40 = 40" (1016mm)				

For Example:

GRB-10-5-A-C-D

GRB Series Grooves Resin Bonded Filter Cartridges - 10" - 5μm -28mm - 65mm - DOE

Special specifications Resin Bonded Filter Cartridges can be customized, such as special ID, OD, length and end caps etc.

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