

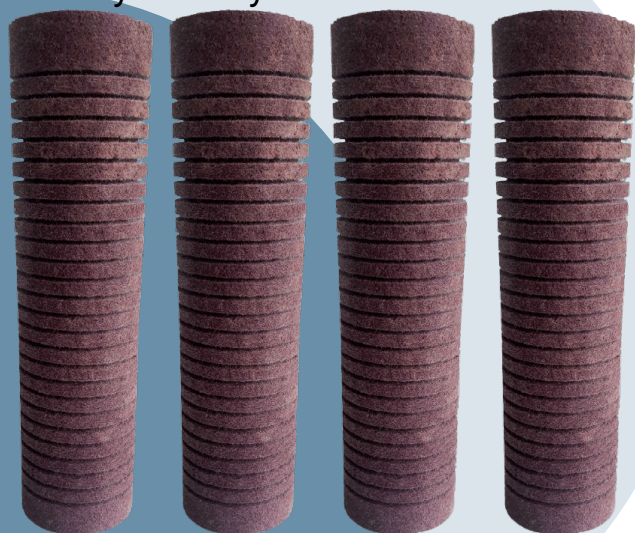
Datasheet TechDepth RB

TechDepth RB -The Rigid Standard in Reliable Filtration

TechDepth RB rigid resin-bonded filter cartridges are engineered for durability, precision, and consistency. Each cartridge is manufactured to the highest standards using acrylic fibers of controlled diameter, bonded together through a proprietary phenolic resin process.

This unique construction provides excellent mechanical strength, broad chemical compatibility, and outstanding performance in applications involving high temperatures and aggressive solvents.

Delivering reproducible, cost-effective filtration, TechDepth RB cartridges are produced under strict specifications and subjected to rigorous quality controls—ensuring consistent performance and reliability in every use.



Benefits

- Wide chemical compatibility
- Can withstand high differential pressures
- High temperature resistance
- Excellent particle removal efficiency
- High dirt-holding capacity

OPERATING PARAMETERS

- Maximum operating temperature cartridge: 121°C
- Maximum differential pressure: 470 kPa (4,7 bar)
- Maximum flowrate 38 lpm per 10" (254mm) length. For multiple length filter cartridge, flow should not exceed 112 lpm per cartridge.
- Recommended change-out differential pressure: 240 kPa (2,4 bar).

To ensure optimum usage of cartridges all guidelines should be used as an indicator. For each application-specific trials should be taken into account. Increasing taken initial differential pressure will result in higher flow rates, however, cartridge life will be reduced. It is recommended, for maximum cartridge life, that initial differential pressure be held at less than 34 kPa. Select a filter housing with appropriate number of cartridges for required flow and dirt holding capacity.

Rigid construction for demanding applications
The manufacturing process used results in graded porosity where filtration pores on the outer surface of the cartridge are more open and become progressively smaller towards the core of the cartridge. This gradient density construction enables the cartridge to trap larger particles near its outer surface, while still allowing smaller particles to penetrate deeper into the cartridge structure, increasing capacity and prolonging filter life.

Fibers are impregnated with phenolic resin to create a rigid, self-supporting structure which eliminates the need for any supporting core, while providing consistent filtration performance in a cartridge that will not deform under high and varying operating differential pressures.

Cartridge Disposal

TechDepth RB filter cartridges contain no metal or plastic cores and can be incinerated, shredded, or crushed after use to reduce overall disposal costs.

Applications

- Paint, varnishes and ink for single resins and solvents
- Chemicals
- Process, cooling and waste water
- Oils and lubricants
- Detergents
- Hydraulic fluids and grease
- Organic solvents (alcohols, ketones, ethers,...)
- Hydrocarbons and fuels
- Waxes

Micron ratings and standard dimensions

TechnoRB cartridges are available in a range from 1 micron to 100 micron nominal in double open end (DOE) configuration.

- Inside diameter: 26.5 mm
- Outside diameter: 64 mm
- Cartridge length: 9,75" - 40" (248mm - 1016mm) with special lengths available upon request.

Ordering information



Example article code: RBG10-001HDN
TechDepth RB Grooved 10" 1µm DOE

Company information

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