MB-SP-40

Mixed bed resin, styrene/DVB gel, hydrogen & hydroxide form

ResinTech MB-SP-40 is a 60:40 volumetric mixture of CG8-H (hydrogen form strong acid cation resin) and SBG1P-OH (hydroxide form type 1 porous base anion resin). MB-SP-40 is intended for general purpose deionizing applications, such as spot-free rinsing.

APPLICATIONS

- Spot-free rinse
- Electric Discharge Machining (EDM)
- Demineralization / DI

COMPONENT 1

Media & Volumetric %	40% SBG1P-OH
Media Category	Strong Base Anion
Polymer Type	Gel
Polymer Matrix	Styrene/DVB
Functional Group	Trimethylamine
Ionic Form	Hydroxide (OH^-)
Physical Form	Spherical Beads
Capacity	1.00
Moisture Retention (%)	52 to 60
Media Color	Yellow to Orange

COMPONENT 2

Media & Volumetric %	60% CG8-H
Media Category	Strong Acid Cation
Polymer Type	Gel
Polymer Matrix	Styrene/DVB
Functional Group	Sulfonic Acid
Ionic Form	Hydrogen (H^+)
Physical Form	Spherical Beads
Capacity	1.80
Moisture Retention (%)	47 to 56
Media Color	Amber to Brown

PHYSICAL PROPERTIES

Particle Size	16-50 US mesh (297-1190µm)
< 50 mesh (300 µm) %	< 1%
Shipping Weight	42 - 44 lbs/cu.ft. (673 - 705 g/L)

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	140°F (60°C)
Minimum Bed Depth	24 in. (61.0 cm)
Maximum Pressure Loss	25 psi (172 kPa)
Backwash Expansion (%)	50 to 100
Operating pH Range	2.0 to 12.0
Flow Rate	
Working Service	1-5 gpm/cu.ft. (8-40 BV/h)

RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

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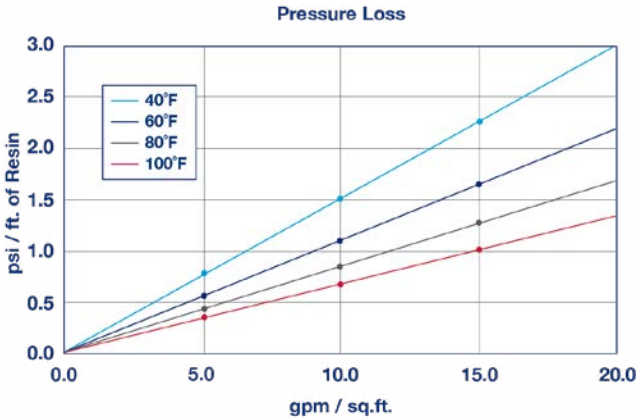
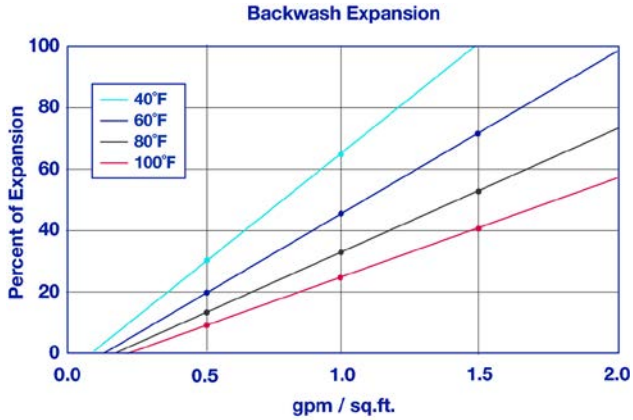
PRESSURE LOSS



The graph above shows the expected pressure loss of ResinTech MB-SP-40 per foot of bed depth as a function of flow rate at various temperatures.

BACKWASH EXPANSION



The graph above shows the expansion characteristics of ResinTech MB-SP-40 as a function of flow rate at various temperatures.

SPOT-FREE RINSE

ResinTech MB-SP-40 is used in a variety of spot-free rinse applications to remove hardness, silica, and other ions that might cause spotting upon drying. The deionized water produced by MB-SP-40 has lower surface tension which helps prevent beading of water droplets on clean surfaces.

PACKAGING

Standard

1 cu.ft. Bag | 42 cu.ft. Supersack

25 L bag

Metric

Shipping Weight

42 - 44 lbs/cu.ft. (673 - 705 g/L)

Minimum Order Volume: 210 (cu.ft.)

MATERIAL SAFETY DATA SHEETS (MSDS)

Material Safety Data Sheets (MSDS) are available for all products on the ResinTech website. They contain important health and safety information that may be needed to protect your employees and customers from any known health and safety hazards associated with our products. We recommend that you secure and study the pertinent MSDS for our products and any other products being used.

These suggestions and data are based on information we believe to be reliable. They are offered in good faith. However we do not make any guarantee or warranty. We caution against using these products in an unsafe manner or in violation of any patents; further we assume no liability for the consequences of any such actions.

Safety Data Sheets (SDS) are available at resintech.com

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