

MAGNA SBG1P-OH

STRONG BASE ANION

**TYPE I ANION
POLYSTYRENIC POROUS GEL
HYDROXIDE FORM**

ResinTech SBG1P-OH is a hydroxide form type 1 porous gel strong base anion resin. Its higher moisture content and lower ion exchange density result in higher operating capacity, greater efficiency, and improved resistance to fouling. It can follow a water softener to remove silica and other anions but is especially well suited for use in all types of deionizing systems, particularly mixed beds.

APPLICATIONS

- Demineralization
- Anion Component in Mixed Beds

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS	
Polymer Matrix	Styrenic Porous Gel
Ionic Form	Hydroxide
Functional Group	Trimethylamine
Physical Form	Spherical Beads
Particle Size	16 to 50 US Mesh (297 - 1190 µm)
% < 50 mesh (300µm)	< 1%
Minimum Sphericity	93%
Uniformity Coefficient	1.6
Reversible Swelling	OH to Cl -20% to -28%
Temp Limit	140°F (60°C)
Capacity (meq/mL)	1.05
Moisture Retention	52% to 60%
Shipping Weight	41 - 43 lbs/ft ³ (657 - 689 g/L)
Color	Yellow to Orange
Regenerability	Yes

PACKAGING OPTIONS

- 1 ft³ bags
- 1 ft³ boxes
- 1 ft³ drums
- 7 ft³ drums
- 42 ft³ supersacks

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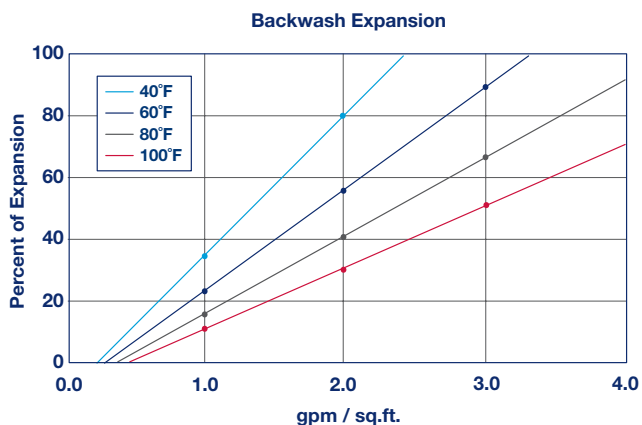
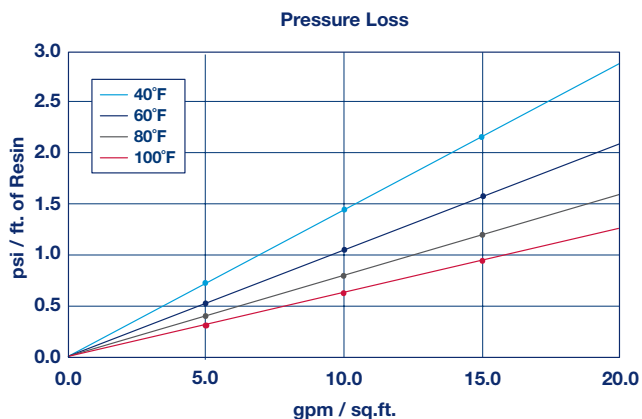


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SUGGESTED OPERATING CONDITIONS

Maximum continuous temperature	
Hydroxide form	140°F
Minimum bed depth	24 inches
Backwash expansion	25 to 50 percent
Maximum pressure loss	20 psi
Operating pH range	0 to 14 SU
Regenerant Concentration	
Hydroxide cycle	2 to 6 percent NaOH
Salt cycle	2 to 10 percent NaCl
Regenerant level	4 to 10 lbs./cu.ft.
Regenerant flow rate	0.25 to 1.0 gpm/cu.ft.
Regenerant contact time	>40 minutes
Displacement flow rate	Same as dilution water
Displacement volume	10 to 15 gallons/cu.ft.
Rinse flow rate	Same as service flow
Rinse volume	35 to 60 gallons/cu.ft.
Service flow rate	1 to 10 gpm/cu.ft.

Note: These guidelines describe average low risk operating conditions. They are not intended to be absolute minimums or maximums. For operation outside these guidelines, contact ResinTech Technical Support

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