

## 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

<b>Polymer Matrix</b>	Styrenic Porous Gel
<b>Ionic Form</b>	Hydroxide
<b>Functional Group</b>	Trimethylamine
<b>Physical Form</b>	Spherical Beads
<b>Particle Size</b>	16 to 50 US Mesh (297 - 1190 µm)
<b>% &lt; 50 mesh (300µm)</b>	< 1%
<b>Minimum Sphericity</b>	93%
<b>Uniformity Coefficient</b>	1.6
<b>Reversible Swelling</b>	OH to Cl -20% to -28%
<b>Temp Limit</b>	140°F (60°C)
<b>Capacity (meq/mL)</b>	1.05
<b>Moisture Retention</b>	52% to 60%
<b>Shipping Weight</b>	40 - 42 lbs/ft <sup>3</sup> (641 - 673 g/L)
<b>Color</b>	Yellow to Orange
<b>Regenerability</b>	Yes

### PACKAGING OPTIONS

- 1 ft<sup>3</sup> bags
- 1 ft<sup>3</sup> boxes
- 1 ft<sup>3</sup> drums
- 7 ft<sup>3</sup> drums
- 42 ft<sup>3</sup> supersacks

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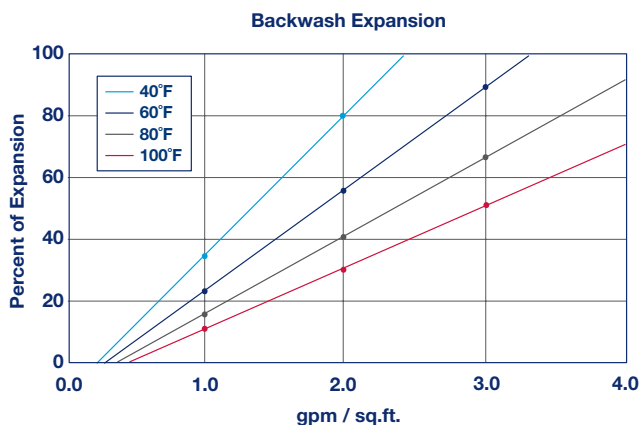
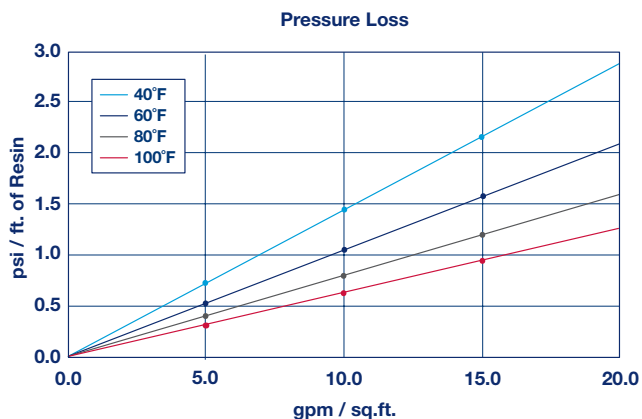


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### SUGGESTED OPERATING CONDITIONS

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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