

## MAGNA SBG1P-OH-UPS

STRONG BASE ANION

TYPE I ANION  
POLYSTYRENIC POROUS GEL  
HYDROXIDE FORM

ResinTech SBG1P-OH-UPS is a uniform particle size 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>	20 to 40 US Mesh (400 - 841 µm)
<b>% &lt; 50 mesh (300µm)</b>	< 1%
<b>Minimum Sphericity</b>	95%
<b>Uniformity Coefficient</b>	1.25
<b>Reversible Swelling</b>	OH to Cl -20% to -28%
<b>Temp Limit</b>	140°F (60°C)
<b>Capacity (meq/mL)</b>	1.02
<b>Moisture Retention</b>	52% to 60%
<b>Shipping Weight</b>	41 - 43 lbs/ft <sup>3</sup> (657 - 689 g/L)
<b>Color</b>	Yellow to Orange
<b>Regenerability</b>	Yes
<b>Uniform Particle Size</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

Revision 1.0  
ResinTech, Inc.®

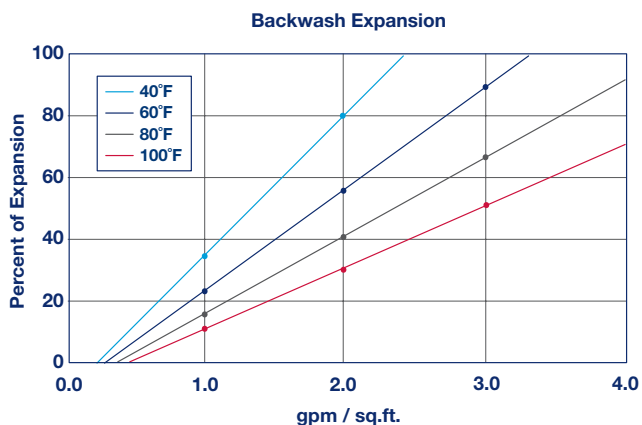
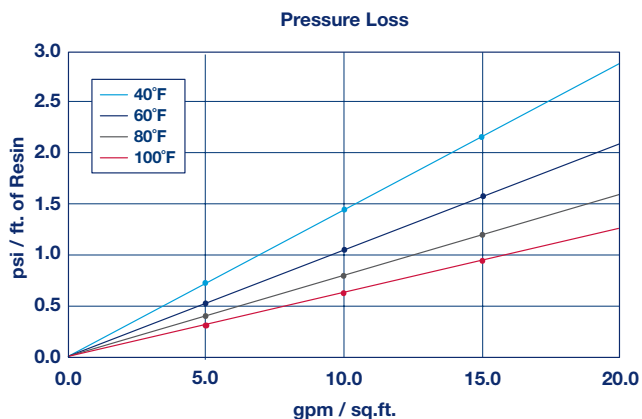


# MAGNA

## SBG1P-OH-UPS

STRONG BASE ANION

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



### 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

Revision 1.0  
 ResinTech, Inc.®

