

# PRODUCT SPECIFICATION SHEET

## MAGNA SBG1P-HP

STRONG BASE ANION

HIGH-PURITY GRADE  
TYPE I ANION  
POLYSTYRENIC POROUS GEL  
CHLORIDE FORM

ResinTech SBG1P-HP is a high purity type 1 porous gel strong base anion resin in chloride form. The 'HP' designation means it is Gold Seal Certified by the WQA for use in potable water applications. Chemically and physically similar to other resins in the SBG1P family, SBG1P-HP is intended to remove contaminants such as nitrate, arsenate, chromate, uranium, and other salt form applications that require potable water certification.

### APPLICATIONS

- Demineralization

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS	
Polymer Matrix	Styrenic Porous Gel
Ionic Form	Chloride
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	Cl to OH 18% to 22%
Temp Limit	170°F (77°C)
Capacity (meq/mL)	1.3
Moisture Retention	51% to 60%
Shipping Weight	42 - 44 lbs/ft <sup>3</sup> (673 - 705 g/L)
Color	White to Yellow
Regenerability	Yes

### CERTIFICATIONS

- WQA Gold Seal
- Kosher Certified



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### PACKAGING OPTIONS

- 500 ml samples
- 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



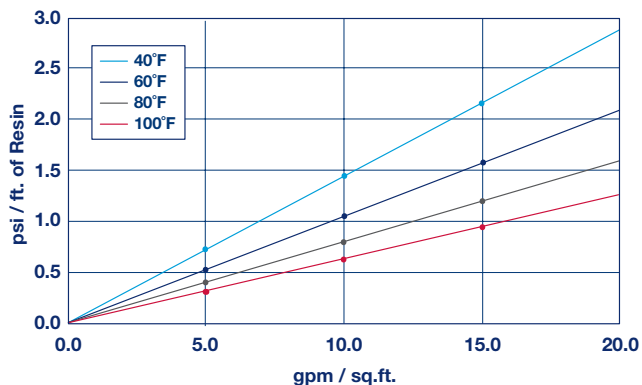
# MAGNA

## SBG1P-HP

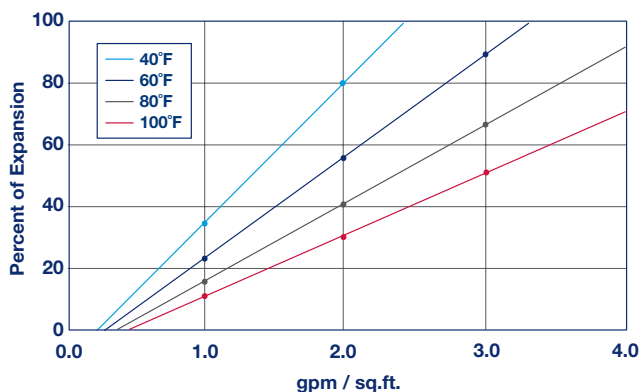
STRONG BASE ANION

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CHLORIDE FORM**

**Pressure Loss**



**Backwash Expansion**



**SUGGESTED OPERATING CONDITIONS**

Maximum continuous temperature	
Chloride form	170°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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