

# SBG1P-HP

## Strong base type 1 anion resin, porous styrene/DVB 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.



### FEATURES & BENEFITS

- High operating capacity
- Organic fouling resistance
- Superior physical stability
- Complies with US FDA regulations

### APPLICATIONS

- Dealkalizer
- Demineralization / DI
- Trace Contaminant Removal



Meets NSF/ANSI/CAN 61  
Meets NSF/ANSI/CAN 372

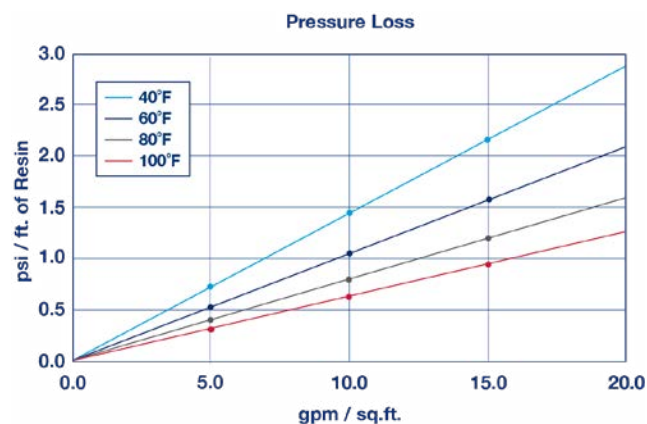
Kosher Certified  
Halal Certified

Conforms to §21CFR173.25 of the USFDA Food Additives Regulations

SBG1P-HP

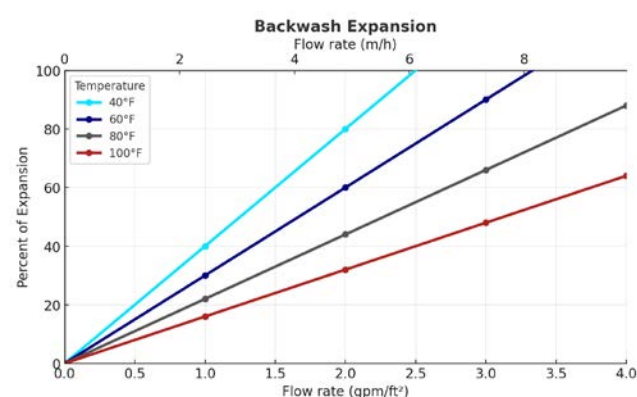
Polymer Matrix	Styrene/DVB	Minimum Sphericity (%)	93
Polymer Type	Porous	Reversible Swelling	52 to 58% (Cl → OH)
Ionic Form (as shipped)	Chloride (Cl <sup>-</sup> )	Uniformity	Gaussian
Functional Group	Trimethylamine	Uniformity Coefficient	1.60
Physical Form	Spherical Beads	Capacity (meq/mL)	1.30
Particle Size US Mesh (µm)	20 (841) to 50 (297)	Moisture Retention (%)	52 to 58
< 50 mesh (300 µm) %	< 1%	Shipping Weight	42 - 44 lbs/cu.ft. (673 - 705 g/L)
		Color	White to Yellow

**PRESSURE LOSS**



The graph above shows the expected pressure loss of ResinTech SBG1P-HP 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 SBG1P-HP as a function of flow rate at various temperatures.

**SUGGESTED OPERATING CONDITIONS**

Maximum Temperature	170°F (77°C)	Operating pH Range	5.8 to 7.5
Maximum Pressure Loss	20 psi (138 kPa)	Flow Rate	
Backwash Expansion (%)	25 - 50	Working Service	1-10 gpm/cu.ft. (8-80 BV/h)

**REGENERATION DETAILS**

Salt Cycle (NaCl)	2% - 10%	Displacement Volume	10-15 gals/cu.ft. (1-2 BV)
Displacement Flow Rate	Same as dilution water		



**PACKAGING****Standard**

42 cu.ft. Supersack | 7 cu.ft. Drum  
1 cu.ft. Bag | 5 cu.ft. Drum

**Metric**

25L Bag | 140L Drum

**SAFETY DATA SHEETS (SDS)**

Safety Data Sheets (SDS) 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](https://resintech.com)

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