SBG2-HP

Grade: High Purity

Strong base type 2 anion resin, styrene/DVB gel, high purity, chloride form

ResinTech SBG2-HP is a high purity chloride form type 2 gel strong base anion resin. The HP (high purity) designation means it is Gold Seal Certified by the WQA for use in potable water applications. The amine used in type 2 anion resins makes them less prone to taste and odor than type 1 resins. SBG2-HP is intended for potable water use for the removal of contaminants such as nitrate, arsenate, chromate, uranium, etc.

FEATURES & BENEFITS

- High operating capacity
- Multiple contaminant removal
- Superior physical stability
- Complies with US FDA regulations

APPLICATIONS

- Trace Contaminant Removal
- Nitrate Removal
- Sulfate Removal
- Dealkalizer
- Demineralization / DI
- Groundwater
- Potable Water

PHYSICAL PROPERTIES

Polymer Matrix	Styrene/DVB
Polymer Type	Gel
Ionic Form (as shipped)	Chloride (Cl^-)
Functional Group	Dimethylethanolamine
Physical Form	Spherical Beads
Uniformity Coefficient	1.60
Particle Size	16-50 US mesh (297-1190µm)
< 50 mesh (300 µm) %	< 1%
Minimum Sphericity (%)	93
Reversible Swelling	8 to 12% (Cl → OH)
Capacity (meq/mL)	1.40
Moisture Retention (%)	36 to 45
Shipping Weight	43 - 45 lbs/cu.ft. (689 - 721 g/L)
Color	White To Amber

SUGGESTED OPERATING CONDITIONS

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

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

RESINTECH® INC.
INNOVATIONS IN ION EXCHANGE

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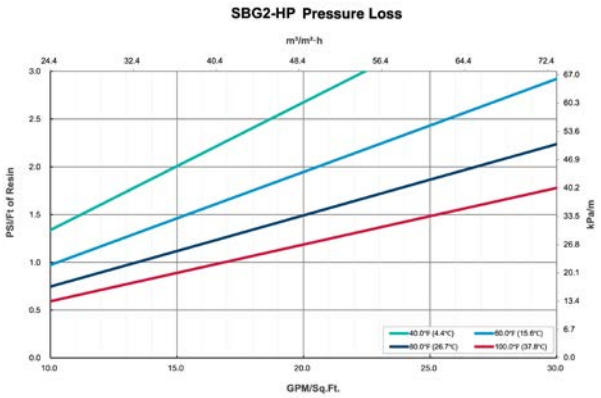
REGENERATION DETAILS

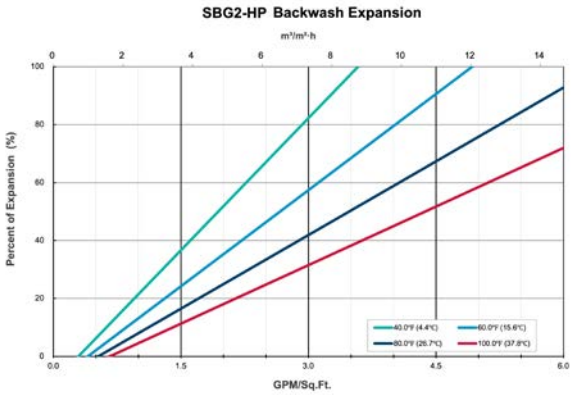
Salt Cycle (NaCl)	2% - 10%	Displacement Volume	10-15 gals/cu.ft. (1-2 BV)
Displacement Flow Rate	Same as dilution water		

PRESSURE LOSS



The graph above shows the expected pressure loss of ResinTech SBG2-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 SBG2-HP as a function of flow rate at various temperatures.

CERTIFICATIONS

Meets NSF/ANSI/CAN 61

Meets NSF/ANSI/CAN 372

REACH Registered

PACKAGING

Standard

42 cu.ft. Supersack | 7 cu.ft. Drum
200L Drum | 1000L Supersack

Metric

1 cu.ft. Bag | 5 cu.ft. Drum
25L Bag | 140L Drum

Shipping Weight

43 - 45 lbs/cu.ft. (689 - 721 g/L)

MATERIAL SAFETY DATA SHEETS (MSDS)

Material Safety Data Sheets (MSDS) 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

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