

TYPE II ANION POLYSTYRENIC GEL CHLORIDE FORM

ResinTech SBG2 is a chloride form type 2 gel strong base anion resin. Type 2 anion resins have lower selectivities and therefore higher chemical efficiency and better resistance to fouling than type 1 anion resins. SBG2 is intended for industrial use in chloride form for dealkalization and removal of contaminants such as nitrate, arsenate, chromate, etc., and can also be regenerated into the hydroxide form and used in various demineralization configurations.

APPLICATIONS

- Dealkalizer
- Demineralization
- Trace Contaminants (U, Cr, As, Se, F, ClO₄, ClO₃)
- Nitrate Removal
- Sulfate Removal

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS	
Polymer Matrix	Styrenic Gel
Ionic Form	Chloride
Fuctional Group	Dimethylethanolamine
Physical Form	Soverical Beader 'COM
Particle Size	16 to 50 US Mesh (297 - 1190 µm)
% < 50 mesh (300μm)	E MICH
Ionic Form Fuctional Group Physical Form Particle Size % < 50 mesh (300µm) Minimum Sphericity Uniformity Coefficient Reversible Swelling Temp Limit	93%
Uniformity Coefficient	1.6
Reversible Swelling	CI to OH 12% to 15%
Temp Limit	170°F (77°C)
Capacity (meq/mL)	1.4
Moisture Retention	36% to 45%
Shipping Weight	43 - 45 lbs/ft³ (689 - 721 g/L)
Color	White to Yellow
Regenerability	Yes

CERTIFICATIONS

- WQA Gold Seal
- Halal Certified
- Kosher Certified

PACKAGING OPTIONS

- 500 ml samples
- 1 ft³ bags
- 1 ft³ boxes
- 1 ft³ drums
- 7 ft³ drums
- 42 ft³ supersacks

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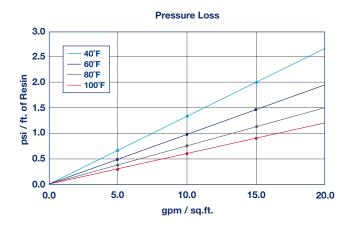


RESINTECHINC.

INNOVATIONS IN ION EXCHANGE

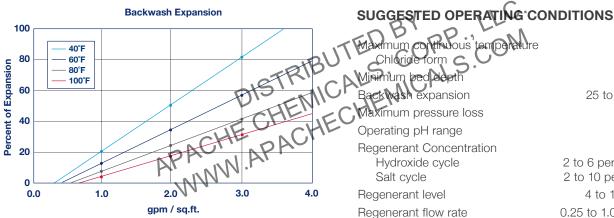


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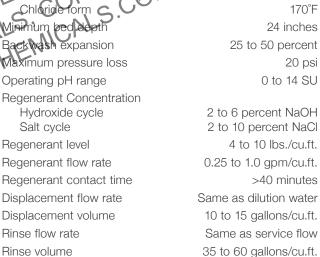
NITRATE REMOVAL

ResinTech SBG2 can be used in the chloride cycle to reduce nitrates along with sulfates. Regeneration is accomplished with sodium chloride brine, in a fashion similar to water softeners. Although high operating capacities and high salt efficiency can be obtained, there is also the possibility of nitrate dumping. Use of chloride form anion resin reduces pH during the early portion of the exhaustion cycle. When treating waters with high hardness the brine dilution and displacement waters should be softened and a low hardness salt used to prevent scaling during regeneration.



TRACE CONTAMINANT REMOVAL (U, CR, AS, SE, CLO_{4})

ResinTech SBG2 has high capacity and can be used to remove a variety of trace contaminants, even when that contaminant is not highly preferred compared to the other bulk ions in the feedwater. Useful capacities are obtained when the feedwater TDS is substantially less than the resin's internal TDS. Uranium, chromate, and perchlorate are particularly well removed. Arsenate and selenate are well removed but can be chromatographically displaced by sulfate and other ions.



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

Service flow rate



1 to 10 gpm/cu.ft.

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