

ResinTech SBG2-UPS is a unifrom particle size type 2 strong base anion gel resin in chloride form. The uniform beads and somewhat smaller harmonic mean size yield minimal pressure loss and better regeneration efficiency compared to resins with Gaussian size distribution. SBG2-UPS is intended for use in industrial applications that require a type 2 strong base anion resin and is recommended for countercurrently regenerated systems such as packed beds.

APPLICATIONS

- Dealkalizer
- Demineralization
- Trace Contaminants (U, Cr, As, Se, F, CIO₄, CIO₃)
- Nitrate Removal
- Sulfate Removal

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS	
Polymer Matrix	Styrenic Gel
Ionic Form	Chloride
Fuctional Group	Dimethylethanolamine
Physical Form	Spherical Beads "
Physical Group Physical Form Particle Size % < 50 mesh (300µm) Minimum Sphericity Uniformity Coefficient Reversible Swelling Temp Limit WWW	2010 40 US Mest (100 - 841 µm)
% < 50 mesh (300µm)	< 0.5% (Minus 50
Minimum Sphericity	95%
Uniformity Coefficient	1.25
Reversible Swelling	CI to OH 12% to 15%
Temp Limit	170°F (77°C)
Capacity (meq/mL)	1.4
Moisture Retention	40% to 53%
Shipping Weight	43 - 45 lbs/ft³ (689 - 721 g/L)
Color	White to Yellow
Regenerability	Yes
Uniform Particle Size	Yes

CERTIFICATIONS

WQA Gold Seal

PACKAGING OPTIONS

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

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• 42 ft³ supersacks

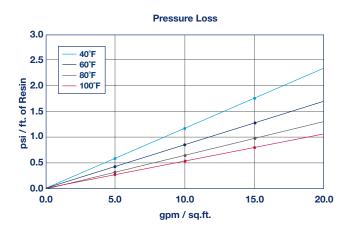


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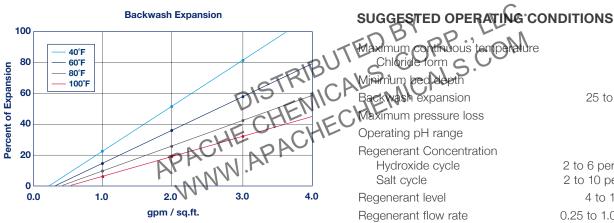


UNIFORM PARTICLE SIZE TYPE II ANION POLYSTYRENIC GEL CHLORIDE FORM



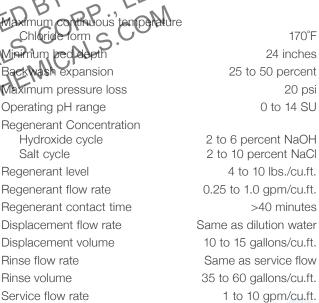
NITRATE REMOVAL

ResinTech SBG2-UPS can be used in the chloride cycle to reduce nitrates along with sulfates. 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 the pH of the product water during the early part 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 due to calcium sulfate precipitation during regeneration.



TRACE CONTAMINANT REMOVAL (U, CR, AS, SE, CLO_4)

ResinTech SBG2-UPS has high capacity in the chloride form 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 feed 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



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