

## SBG1-OH-CP

### Strong base type 1 anion resin, styrene/DVB gel, condensate polishing grade, hydroxide form

ResinTech SBG1-OH-CP is a condensate polisher grade type 1 gel strong base anion resin in the hydroxide form. It offers high capacity and resistance to both thermal and chemical oxidation. It is a controlled particle size resin optimized for minimal pressure loss and perfect separation from "CP" grade cation resins. SBG1-OH-CP is ideally suited for high flow rate, deep bed condensate polishing applications in fossil fuel power plants as well as high flow rate mixed beds when paired with either CG10-H-CP or SACMP-H-CP.



#### FEATURES & BENEFITS

- Ideal for deep bed condensate polishers
- High total capacity
- Superior physical stability
- Controlled particle size
- Low pressure drop

#### APPLICATIONS

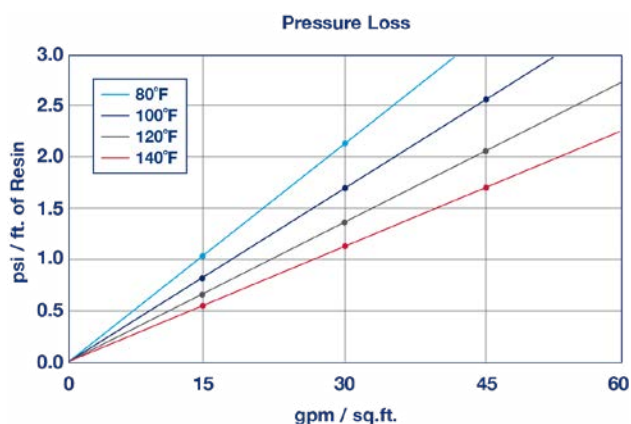
- Anion Component in Mixed Beds
- Condensate Polishing

REACH Registered

SBG1-OH-CP

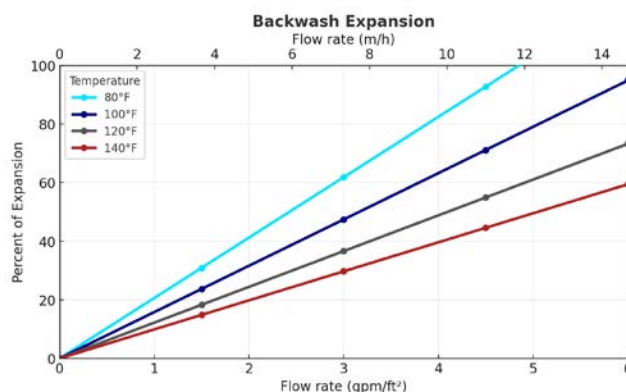
Polymer Matrix	Styrene/DVB	Reversible Swelling	18 to 25% (Cl → OH)
Polymer Type	Gel	Uniformity	UPS
Ionic Form (as shipped)	Hydroxide (OH <sup>-</sup> )	Uniformity Coefficient	1.25
Functional Group	Trimethylamine	Capacity (meq/mL)	1.20
Physical Form	Spherical Beads	Moisture Retention (%)	53 to 60
Particle Size US Mesh (µm)	16 (1190) to 50 (297)	Shipping Weight	40 - 42 lbs/cu.ft. (641 - 673 g/L)
< 50 mesh (300 µm) %	< 1	Color	White to Amber
Minimum Sphericity (%)	97	Average, grams per bead	350

**PRESSURE LOSS**



The graph above shows the expected pressure loss of ResinTech SBG1-OH-CP 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 SBG1-OH-CP as a function of flow rate at various temperatures.

**SUGGESTED OPERATING CONDITIONS**

Maximum Temperature	140°F (60°C)
Maximum Pressure Loss	20 psi (138 kPa)
Backwash Expansion (%)	25 - 50

Flow Rate	
Working Service	Depends on fluid viscosity, Contact ResinTech

**CONDENSATE POLISHING**

**SBG1-OH-CP** is ideally suited for high flow rate and high pressure condensate polishing applications. It has very high capacity and provides long service life when treating condensates that contain traces of CO<sub>2</sub> and other anionic contaminants. **SBG1-OH-CP** has narrowly graded particle size to provide low pressure loss and help improve separation from CP grade cation resins.



**REGENERATION DETAILS**

Hydroxide Cycle (NaOH)	2 to 6%	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](http://resintech.com)

