

# SBACR-HP

## Type 1 Strong Base Anion Resin, Acrylic/DVB Gel, High Purity, Chloride form

ResinTech SBACR-HP is an acrylic gel strong base anion resin in chloride form. The polymer has an open aliphatic structure which allows organic anions to exchange in and out of the resin more easily than anion resins based on a polystyrene polymer structure. SBACR-HP is intended for use for the removal of NOM (naturally occurring organic matter).



### FEATURES & BENEFITS

- High capacity for organics
- Excellent regeneration efficiency
- Superior physical stability
- Controlled particle size
- Complies with US FDA regulations

### APPLICATIONS

- Drinking Water Purification
- Tannin



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

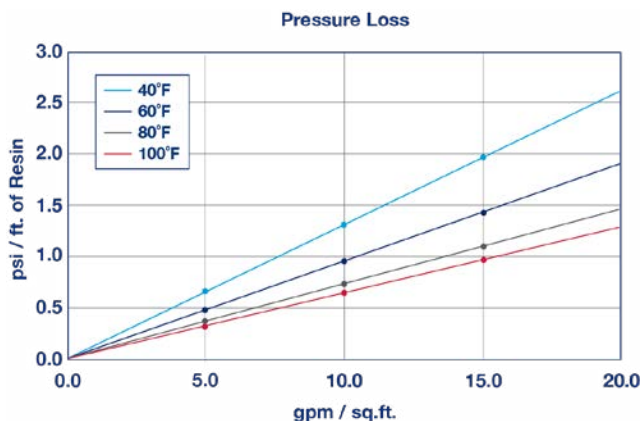
Kosher Certified  
Halal Certified

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

SBACR-HP

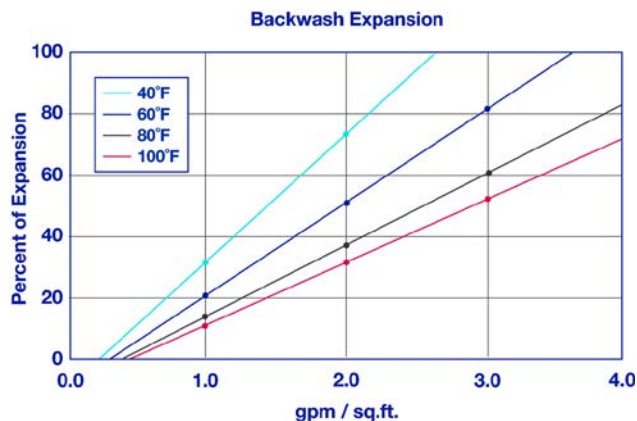
Polymer Matrix	Acrylic/DVB	Minimum Sphericity (%)	90
Polymer Type	Gel	Reversible Swelling	10 to 15% (Cl → OH)
Ionic Form (as shipped)	Chloride (Cl <sup>-</sup> )	Uniformity	Gaussian
Functional Group	Quaternary Amine	Uniformity Coefficient	1.70
Physical Form	Spherical Beads	Capacity (meq/mL)	1.25
Particle Size US Mesh (µm)	16 (1190) to 50 (297)	Moisture Retention (%)	55 to 63
< 50 mesh (300 µm) %	< 1%	Shipping Weight	43 - 45 lbs/cu.ft. (689 - 721 g/L)

**PRESSURE LOSS**



The graph above shows the expected pressure loss of ResinTech SBACR-HP per foot of bed depth as a function of flow rate at various temperatures.

**BACKWASH EXPANSION**



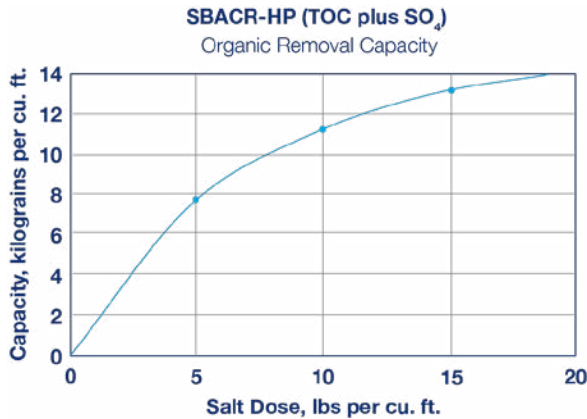
The graph above shows the expansion characteristics of ResinTech SBACR-HP as a function of flow rate at various temperatures.

**SUGGESTED OPERATING CONDITIONS**

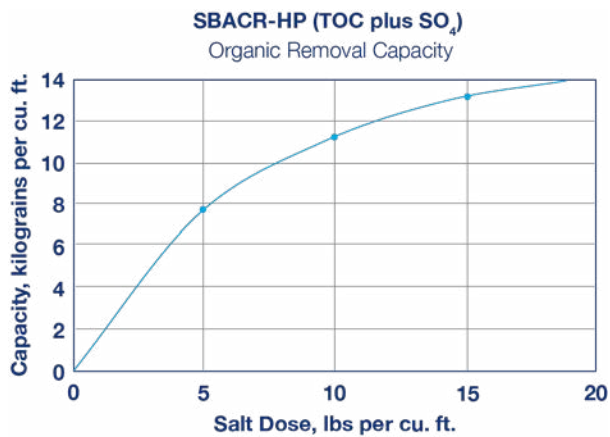
Maximum Temperature	150°F (66°C)	Operating pH Range	5.8 to 7.5
Maximum Pressure Loss	20 psi (138 kPa)	Flow Rate	
Backwash Expansion (%)	25 - 50	Working Service	1-4 gpm/cu.ft. (8-32 BV/h)



**CAPACITY GRAPH 1**



Capacity and leakage data are based on the following: 2:1 Ca:Mg ratio, 500 ppm TDS as CaCO<sub>3</sub>, 0.2% hardness in the salt and 10% brine concentration applied co-currently through the resin over 30 minutes. No engineering downgrade has been applied.



Capacity based on 2 gpm/cu.ft. flow rate, pH near neutral, and 36 inch minimum bed depth. Capacity is for TOC plus sulfate. No engineering downgrade has been applied.

**ORGANIC TRAP**

ResinTech SBACR-HP has excellent capacity for tannins and other naturally occurring organic matter (NOM) which cause most of the color in potable waters. SBACR-HP removes these substances and is easily regenerated with sodium chloride, in the same fashion as a water softener. Organic trap resins should be regenerated frequently to prevent the NOM from building up inside the resin beads and eventually causing fouling. For industrial applications it is sometimes useful to add a little caustic to the brine in order to increase capacity and reduce leakage. Use of chloride form anion resin reduces the pH of the product water during the early part of the exhaustion cycle.

**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

**RELATED FILTERS**

AF-XX-3621

**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://www.resintech.com)

Page 4 of 4

Last Update: 10-Apr-26

