

SBMP1-OH-CP

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

ResinTech SBMP1-OH-CP is a polisher grade type 1 macroporous strong base anion resin in 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. SBMP1-OH-CP is ideally suited for high flow rate, deep bed condensate polishing applications when paired with either CG10-H-CP or SACMP-H-CP.



FEATURES & BENEFITS

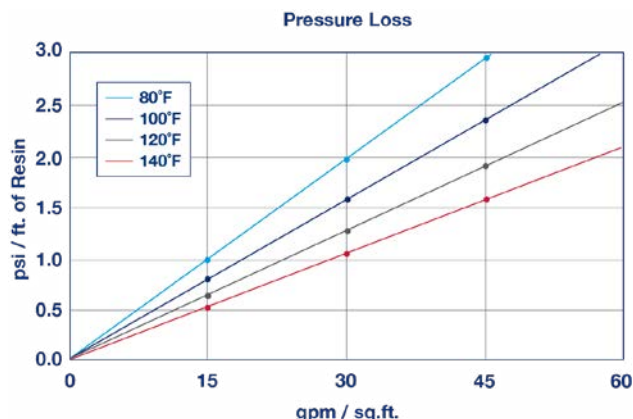
- Macroporous structure
- Organic fouling resistance
- Superior physical stability
- Complies with US FDA regulations

APPLICATIONS

- High Purity DI Water
- Condensate Polishing
- Ultrapure Water Production (UPW)
- Demineralization / DI
- Mixed Bed Components
- Silica Removal

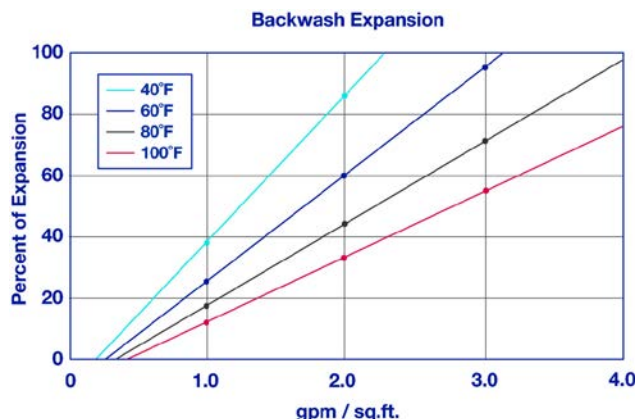
Polymer Matrix	Styrene/DVB	Reversible Swelling	18 to 25% (Cl → OH)
Polymer Type	Macroporous	Uniformity	UPS
Ionic Form (as shipped)	Hydroxide (OH ⁻)	Uniformity Coefficient	1.20
Functional Group	Trimethylamine	Capacity (meq/mL)	0.90
Physical Form	Spherical Beads	Moisture Retention (%)	64 to 73
Particle Size US Mesh (µm)	16 (1190) to 50 (297)	Shipping Weight	39 - 41 lbs/cu.ft. (625 - 657 g/L)
< 50 mesh (300 µm) %	< 1	Color	Tan to Brown
Minimum Sphericity (%)	97	Average, grams per bead	350

PRESSURE LOSS



The graph above shows the expected pressure loss of ResinTech SBMP1-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 SBMP1-OH-CP as a function of flow rate at various temperatures.

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	140°F (60°C)	Operating pH Range	0 to 14
Minimum Bed Depth	24 in. (61.0 cm)	Flow Rate	
Maximum Pressure Loss	20 psi (138 kPa)	Working Service	2-15 gpm/cu.ft. (16-120 BV/h)
Backwash Expansion (%)	25 - 50		

CONDENSATE POLISHING

ResinTech **SBMP1-OH-CP** is ideally suited for high pressure condensate polishing applications. It has very high DVB and provides long service life when treating condensates that contain traces of CO₂ and other anionic contaminants. **SBMP1-OH-CP** has narrowly graded particle size and slightly smaller bead size to provide low pressure loss and help improve separation from CP grade cation resins.

REGENERATION DETAILS

Hydroxide Cycle (NaOH)	2 to 6%	Displacement Flow Rate	Same as dilution water
Regenerant Level	4-10 lbs/cu.ft. (64.1-160.2 g/L)	Displacement Volume	10-15 gals/cu.ft. (1-2 BV)
Regenerant Flow Rate	0.25-1.0 gpm/cu.ft. (2-8 BV/h)	Rinse Flow Rate	Same as service flow
Regenerant Contact Time	>40 minutes	Rinse Volume	35-60 gals/cu.ft. (5-8 BV)



PACKAGING**Standard**

42 cu.ft. Supersack | 7 cu.ft. Drum
1 cu.ft. Bag | 5 cu.ft. Drum

Metric

25L Bag | 140L Drum

Minimum Order Volume: 210 (cu.ft.)

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)

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