

SACMP-HP

Strong acid cation resin, styrene/DVB macroporous, high purity, sodium form

ResinTech SACMP-HP is a high purity tan-colored highly crosslinked macroporous strong acid cation resin in sodium form. The high purity designation means it is Gold Seal Certified by the WQA for use in potable water applications. SACMP-HP is optimized for waters that punish other cation resins. SACMP-HP is intended for water softening where a significant chlorine residual is present in the feedwater.



FEATURES & BENEFITS

- Macroporous structure
- Controlled particle size
- Superior physical stability
- Complies with US FDA regulations

APPLICATIONS

- Softening



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

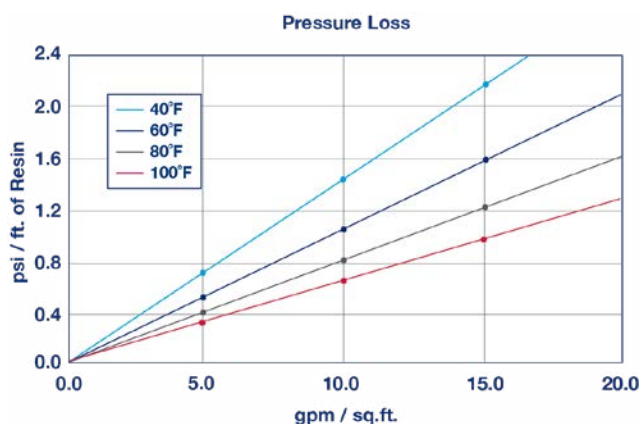
Kosher Certified
Halal Certified

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

SACMP-HP

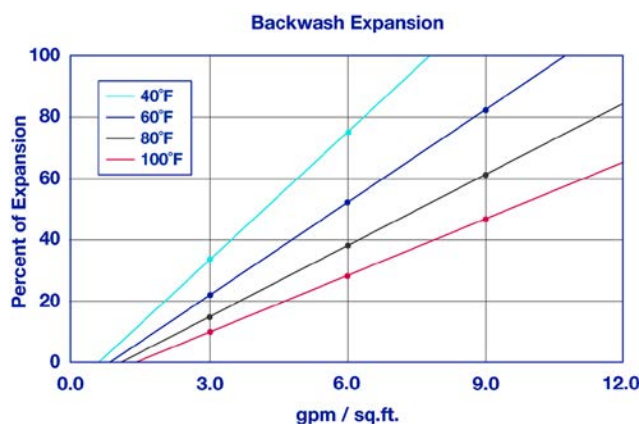
Polymer Matrix	Styrene/DVB	Reversible Swelling	3 to 5% (Na → H)
Polymer Type	Macroporous	Uniformity	Gaussian
Ionic Form (as shipped)	Sodium (Na ⁺)	Uniformity Coefficient	1.60
Functional Group	Sulfonic Acid	Capacity (meq/mL)	1.65
Physical Form	Spherical Beads	Moisture Retention (%)	45 to 55
Particle Size US Mesh (μm)	16 (1190) to 50 (297)	Shipping Weight	48 - 50 lbs/cu.ft. (769 - 801 g/L)
< 50 mesh (300 μm) %	< 1%	Color	Tan
Minimum Sphericity (%)	95	Regenerable	Regenerable

PRESSURE LOSS



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

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	300°F (149°C)	Operating pH Range	5.0 to 7.5
Minimum Bed Depth	24 in. (61.0 cm)	Flow Rate	
Maximum Pressure Loss	25 psi (172 kPa)	Working Service	1-10 gpm/cu.ft. (8-80 BV/h)
Backwash Expansion (%)	25 - 50		

REGENERATION DETAILS

Salt Cycle (NaCl)	10% - 15%	Displacement Flow Rate	Same as dilution water
Regenerant Level	4-15 lbs/cu.ft. (64.1-240.3 g/L)	Displacement Volume	10-15 gals/cu.ft. (1-2 BV)
Regenerant Flow Rate	0.5-1.5 gpm/cu.ft. (4-12 BV/h)	Rinse Flow Rate	Same as service flow
Regenerant Contact Time	> 20 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

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

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