

SACMP-H

Strong acid cation resin, styrene/DVB macroporous, hydrogen form

ResinTech SACMP-H is a tan-colored highly crosslinked macroporous strong acid cation resin in hydrogen form. SACMP-H is optimized for waters that punish other cation resins. ResinTech SACMP is intended for high flow rate and high-temperature polishing applications, and for other applications that require a hydrogen form cation resin and the highest possible physical strength and chemical durability.



FEATURES & BENEFITS

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

APPLICATIONS

- Condensate Polishing

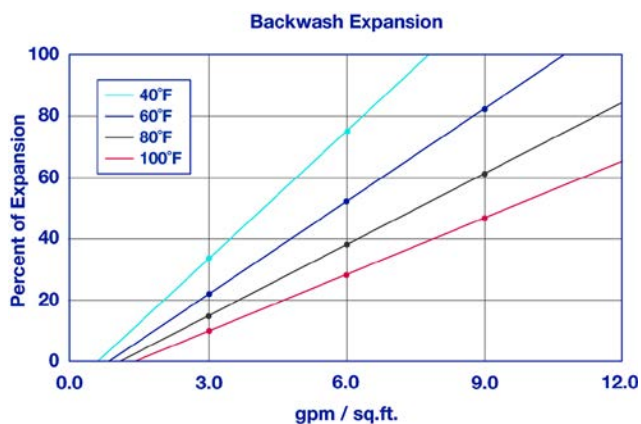


Conforms to §21CFR173.25 of the USFDA Food Additives Regulations

SACMP-H

Polymer Matrix	Styrene/DVB	Minimum Sphericity (%)	95
Polymer Type	Macroporous	Uniformity	Gaussian
Ionic Form (as shipped)	Hydrogen (H ⁺)	Uniformity Coefficient	1.60
Functional Group	Sulfonic Acid	Capacity (meq/mL)	1.60
Physical Form	Spherical Beads	Moisture Retention (%)	50 to 60
Particle Size US Mesh (µm)	16 (1190) to 50 (297)	Shipping Weight	46 - 48 lbs/cu.ft. (737 - 769 g/L)
< 50 mesh (300 µm) %	< 1%	Color	Tan
		Regenerable	Regenerable

BACKWASH EXPANSION



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

SUGGESTED OPERATING CONDITIONS

Maximum Temperature	280°F (138°C)	Operating pH Range	0 to 14
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		

DEMINERALIZATION

ResinTech **SACMP-H** can be used as the cation component in demineralization configurations where a hydrogen form cation resin is coupled with a hydroxide form anion resin. SACMP-H is ideal for high

flow rate polishers and where high resistance to mechanical, thermal, and oxidative stresses is required.



REGENERATION DETAILS

Salt Cycle (NaCl)	10% - 15%	Regenerant Contact Time	> 20 minutes
Hydrogen Cycle (H2SO4)	1% - 8%	Displacement Flow Rate	Same as dilution water
Hydrogen Cycle (HCl)	5% - 10%	Displacement Volume	10-15 gals/cu.ft. (1-2 BV)
Regenerant Level	4-15 lbs/cu.ft. (64.1-240.3 g/L)	Rinse Flow Rate	Same as service flow
Regenerant Flow Rate	0.5-1.5 gpm/cu.ft. (4-12 BV/h)	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

