

PRODUCT SPECIFICATION SHEET

MAGNA CG8-C

STRONG ACID CATION

COARSE MESH POLYSTYRENIC GEL
8% **CROSSLINKED**
SODIUM FORM

ResinTech CG8-C is a coarse mesh, strong acid cation resin in sodium form. It is amber in color and made from a 8% cross-linked gel. It has the same physical characteristics, regeneration efficiency, and oxidative stability as other resins in the CG8 family. CG8-C is intended for use in industrial applications where minimizing pressure loss is essential even when suspended solids may be present.

APPLICATIONS

- Softening - Industrial
- Demineralization
- Softening - High Flow Rate

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS

Polymer Matrix	Styrenic Gel
Ionic Form	Sodium
Fuctional Group	Sulfonic Acid
Physical Form	Spherical Beads
Particle Size	16 to 30 US Mesh (595 - 1190 µm)
% < 50 mesh (300µm)	< 1%
Minimum Sphericity	93%
Uniformity Coefficient	1.4
Reversible Swelling	Na to H 5% to 9%
Temp Limit	280°F (138°C)
Capacity (meq/mL)	2.0
Moisture Retention	42% to 49%
Shipping Weight	51 - 53 lbs/ft ³ (817 - 849 g/L)
Color	Amber
Regenerability	Yes

CERTIFICATIONS

- Kosher Certified
- Halal Certified

PACKAGING OPTIONS

- 500 ml samples
- 1 ft³ bags
- 1 ft³ boxes
- 1 ft³ drums
- 7 ft³ drums
- 42 ft³ supersacks

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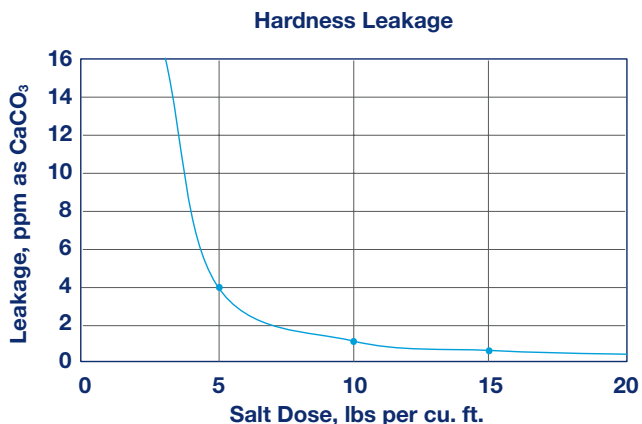
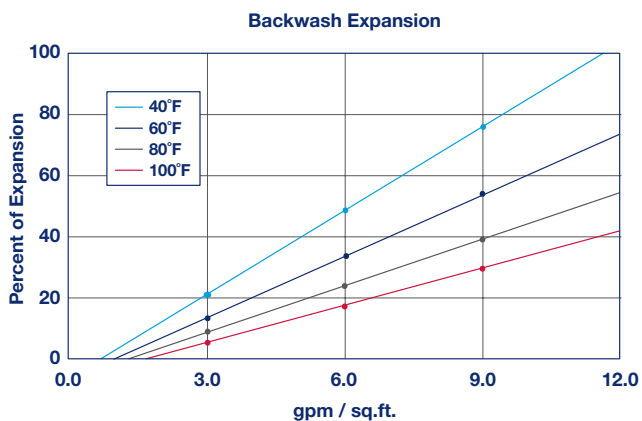
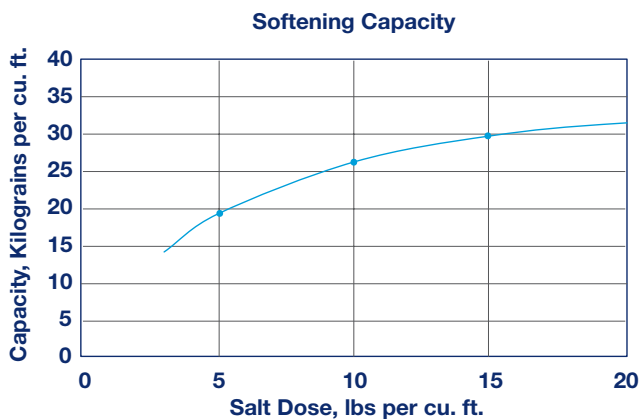
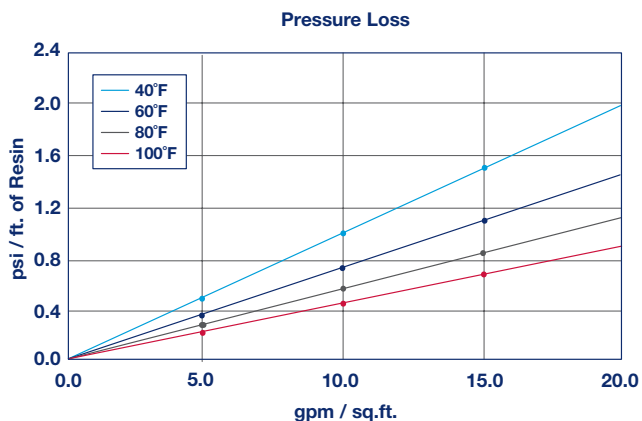


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Capacity and leakage data are based on the following: 2:1 Ca:Mg ratio, 500 ppm TDS as CaCO₃, 0.2% hardness in the salt and 10% brine concentration applied co-currently through the resin over 30 minutes. No engineering downgrade has been applied.

SUGGESTED OPERATING CONDITIONS

Maximum continuous temperature	280°F
Sodium form	
Minimum bed depth	24 inches
Backwash expansion	25 to 50 percent
Maximum pressure loss	25 psi
Operating pH range	0 to 14 SU
Regenerant Concentration	
Salt cycle	10 to 15 percent NaCl
Regenerant level	4 to 15 lbs./cu.ft.
Regenerant flow rate.	0.5 to 1.5 gpm/cu.ft.
Regenerant contact time	>20 minutes
Displacement flow rate	Same as dilution water
Displacement volume	10 to 15 gallons/cu.ft.
Rinse flow rate	Same as service flow
Rinse volume	35 to 60 gallons/cu.ft.
Service flow rate	1 to 10 gpm/cu.ft.

Note: These guidelines describe average low risk operating conditions. They are not intended to be absolute minimums or maximums. For operation outside these guidelines, contact ResinTech Technical Support

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