

# PRODUCT SPECIFICATION SHEET

## MAGNA CG8-C-HP

STRONG ACID CATION

HIGH-PURITY GRADE  
COARSE MESH POLYSTYRENIC GEL  
8% CROSSLINKED  
SODIUM FORM

ResinTech CG8-C-HP is a high purity coarse grade strong acid cation resin in sodium form. It is amber in color and made with an 8% cross-linked gel. The HP (high purity) designation means it is Gold Seal Certified by the WQA for use in potable water applications. It is intended for use in potable water applications where maximizing peak flow rates and minimizing pressure loss are essential.

### APPLICATIONS

- Softening - High Flow Rate
- Softening - Residential

### TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS

<b>Polymer Matrix</b>	Styrenic Gel
<b>Ionic Form</b>	Sodium
<b>Functional Group</b>	Sulfonic Acid
<b>Physical Form</b>	Spherical Beads
<b>Particle Size</b>	16 to 36 US Mesh (595 - 1190 µm)
<b>% &lt; 50 mesh (300µm)</b>	< 1%
<b>Minimum Sphericity</b>	98%
<b>Uniformity Coefficient</b>	1.4
<b>Reversible Swelling</b>	Na to H 5% to 9%
<b>Temp Limit</b>	280°F (138°C)
<b>Capacity (meq/mL)</b>	2.0
<b>Moisture Retention</b>	42% to 49%
<b>Shipping Weight</b>	51 - 53 lbs/ft <sup>3</sup> (817 - 849 g/L)
<b>Color</b>	Amber
<b>Regenerability</b>	Yes

### CERTIFICATIONS

- WQA Gold Seal
- Kosher Certified



C US

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### PACKAGING OPTIONS

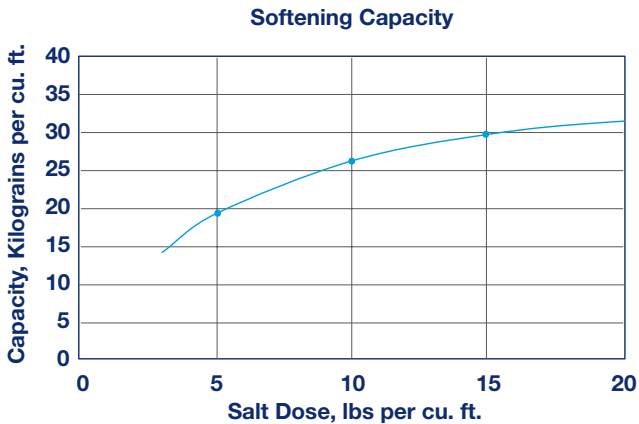
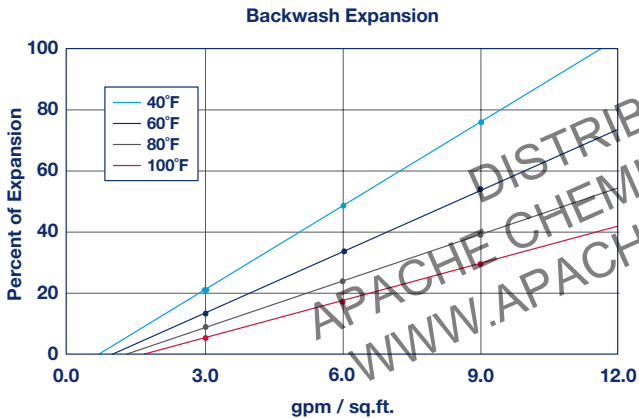
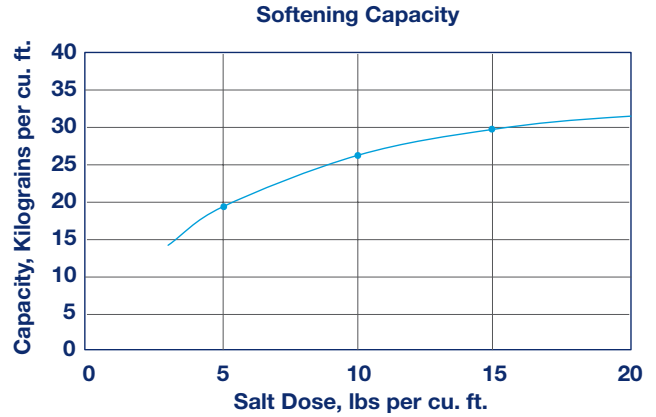
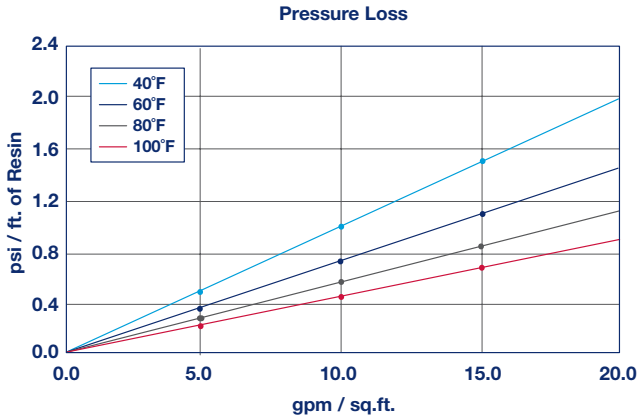
- 1 ft<sup>3</sup> bags
- 1 ft<sup>3</sup> boxes
- 1 ft<sup>3</sup> drums
- 7 ft<sup>3</sup> drums
- 42 ft<sup>3</sup> supersacks



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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.

**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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