

PRODUCT SPECIFICATION SHEET

MAGNA CN8-F

STRONG ACID CATION

**NON-SOLVENT
FINE MESH POLYSTYRENIC GEL
8% CROSSLINKED
SODIUM FORM**

ResinTech CN8-F is a fine mesh solvent free dark colored sodium form 8% crosslinked gel strong acid cation resin made by ResinTech in Camden, NJ. CN8-F is Gold Seal certified by the WQA for potable water applications. CN8-F is intended for both potable water and industrial applications that have high levels of iron in the feedwater, little or no chlorine residual, and where resin bed depth is less than ideal.

APPLICATIONS

- Softening - Industrial
- Demineralization
- Iron Removal

TYPICAL PROPERTIES & PHYSICAL CHARACTERISTICS

Polymer Matrix	Styrenic Gel
Ionic Form	Sodium
Functional Group	Sulfonic Acid
Physical Form	Spherical Beads
Particle Size	30 to 50 US Mesh (297 - 595 µm)
% < 50 mesh (300µm)	< 30%
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 52%
Shipping Weight	49 - 51 lbs/ft ³ (785 - 817 g/L)
Color	Black
Regenerability	Yes

PACKAGING OPTIONS

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

Revision 1.0
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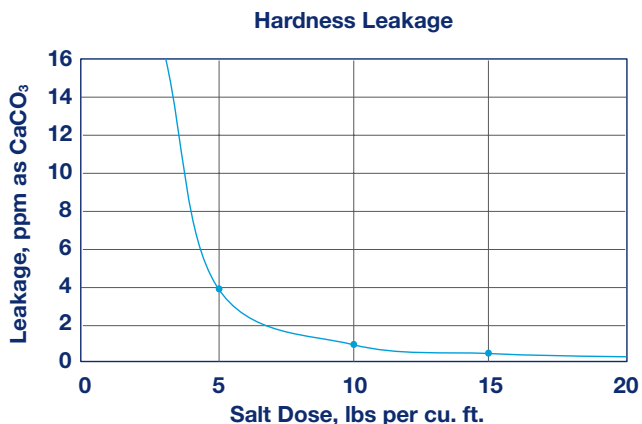
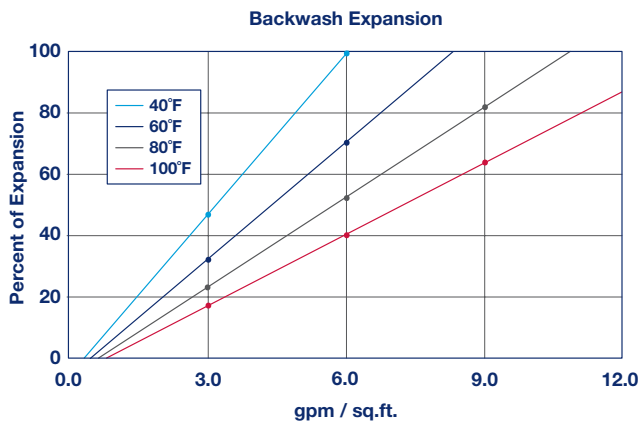
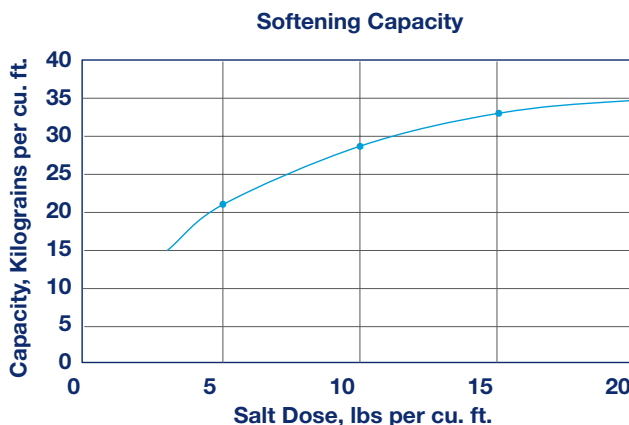
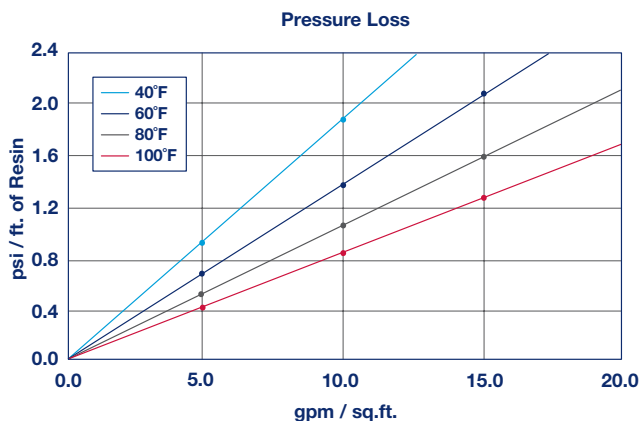


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Capacity and leakage data are based on the following: 2:1 Ca:Mg ratio, 500 ppm TDS as CaCO₃, 0.2% hardness in the salt and 10% brine concentration applied co-currently through the resin over 30 minutes. No engineering downgrade has been applied.

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	
Hydrogen cycle	5 to 10 percent HCl
Hydrogen cycle	1 to 8 percent H ₂ SO ₄
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