

CN8-F

Strong acid cation resin, styrene/DVB 8% crosslinked gel, fine mesh, sodium form

ResinTech CG8-F is a non-solvent dark brown or black colored fine mesh strong acid cation resin in sodium form made with an 8% crosslinked gel. It offers faster kinetics and improved regeneration efficiency compared to similar resins with larger beads. CG8-F is intended for industrial softening applications that have high levels of iron in the feedwater, where resin bed depth is less than ideal, and for applications that challenge the kinetic limits of larger size resins.



FEATURES & BENEFITS

- Residential softening applications
- Low color throw
- Superior physical stability
- Complies with US FDA regulations

APPLICATIONS

- Iron Removal
- Softening



Solvent-Free
 Meets NSF/ANSI/CAN 44
 Meets NSF/ANSI/CAN 61
 Meets NSF/ANSI/CAN 372

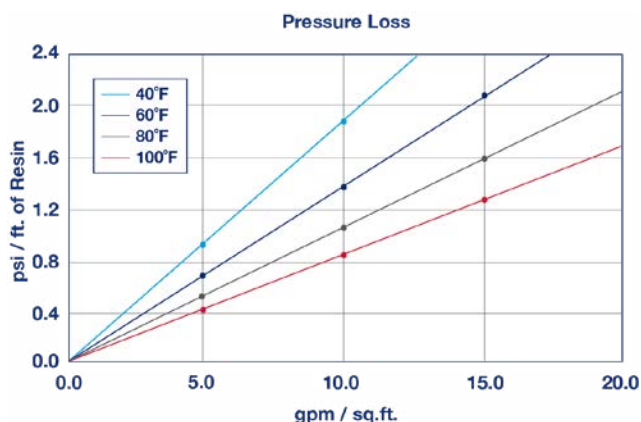
REACH Registered
 Kosher Certified
 Halal Certified

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

CN8-F

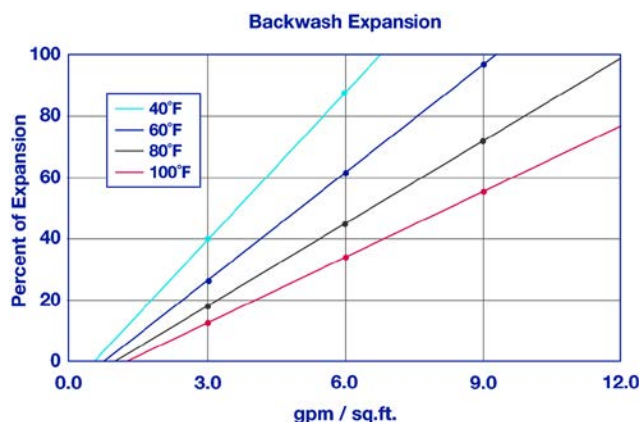
Polymer Matrix	Styrene/DVB	Minimum Sphericity (%)	90
Polymer Type	Gel	Reversible Swelling	5 to 9% (Na → H)
Ionic Form (as shipped)	Sodium (Na ⁺)	Uniformity	Gaussian
Functional Group	Sulfonic Acid	Uniformity Coefficient	1.40
Physical Form	Spherical Beads	Capacity (meq/mL)	2.00
Particle Size US Mesh (µm)	30 (595) to 50 (297)	Moisture Retention (%)	42 to 52
< 50 mesh (300 µm) %	< 30%	Shipping Weight	49 - 51 lbs/cu.ft. (785 - 817 g/L)
< 70 mesh (210 µm) %	< 2%	Color	Black
		Regenerable	Regenerable

PRESSURE LOSS



The graph above shows the expected pressure loss of ResinTech CN8-F 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 CN8-F 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		

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**

1 cu.ft. Bag | 42 cu.ft. Supersack
5 cu.ft. Drum | 7 cu.ft. Drum

Metric

140L Drum | 200L 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

Page 3 of 3

Last Update: 17-Apr-26

