

Canftech® TC008 - H+

High capacity gel type strong acidcation exchange resin



IEX Resin

Cation Exchange Resin

Basic Features:

Principal Applications	Water softening - Demineralization
Polymer matrix structure:	Gel polystyrene crosslinked with divinylbenzene (DVB)
Appearance:	Amber, spherical beads
Functional Group:	Sulphonic acid
Ionic form as shipped:	Na+ or H+ when ordered as TC008H

Description:

Canftech® TC008 Is a premium grade gel type strong acid cation exchange resin produced by sulfonated styrenedivinylbenzene (DVB) copolymers in standard Gaussian size distribution. It has excellent chemical, physical and thermal stability, and high exchange capacity. TC008 in sodium form is widely used for water softening to reduce total hardness. In hydrogen form, it also can be used for water demineralization.

Physical and Chemical Properties:

NO.	ITEM	SPEC
1	Total exchange capacity (eq/L)	≥2.0 (Na+ form)
2	Moisture retention (%)	48-53
3	Particle size range (%)	0.315-1.25 mm≥95
4	Whole uncracked beads after attrition (%)	≥96
5	Shipping weight (g/ml)	0.74-0.84
6	Specific gravity (g/ml)	1.19-1.23
7	Uniformity coefficient	<1.7
8	Effective size (mm)	0.4 - 0.6
9	Reversible swelling :Ca 2+ or Na+ → H+ (%) <8	

Suggested Operating Conditions:

NO.	ITEM	SPEC
1	Max operating temp	120 °C
2	PH range	0-14
3	Service flow rate	5-50 BV/h
4	Regenerant: 10-15% NaCl - 4-10% HCl, 1-8% H2SO4	

Packaging:

- 25liter PE woven bags; 20kg PE woven bags
- 1000 kgs super sacks; 1000 liters super sacks

Regulatory Approvals:

