



Strong Acid Cation Exchange Resin

732 model is a premium grade, high capacity, gelular, sulfonated, polystyrene cation resin
Supplied in the sodium or hydrogen form as moist, tough, uniform, spherical beads.

Usage in all water softening, alkalization, ionization and chemical processing applications.

PHYSICAL PROPERTIES

Polymer Structure : Styrene Cross linked with ($\text{—SO}_3\text{H}$)

Ionic Form : Sodium(Na^+) or Hydrogen(H^+)

Physical Form : Tough, Spherical Beads

Water Retention : 45~53 %

Bead Size Distribution(0.315 – 1.25mm) : $\geq 95\%$

Spherical : $\geq 90\%$

Solubility : Insoluble

Uniformity coefficient : ≥ 1.7

Density : 1.24~1.28 g/ml

Swelling H^+ to Na^+ : 8~10%

Total Capacity : ≥ 4.5 mmol/g

SUGGESTED OPERATING CONDITIONS

Maximum Temperature : Sodium Form $\leq 120^\circ\text{C}$ Hydrogen Form $\leq 100^\circ\text{C}$

Minimum Bed Depth : 800 mm

Backwash Rate : 25 to 50% Bed Expansion

Regenerate Concentration : NaCl: 3~10%; HCl: 4~5%; NaOH: 4~5%

Regenerate Level : NaCl (8~10%); Volume : Resin volume=1.5~2 : 1

HCl(4~5%); Volume : Resin volume=2~3 : 1

NaOH(4-5%); Volume : Resin volume=2~3 : 1

Regenerate Flow Rate : 5~8 m/h

Regenerate Contact Time : 30~60 Minutes

Fast Rinse Rate : 10~20 m/h

Fast Rinse Time : Approx. 30 minutes

Service Flow Rate : 10~40 m/h

