



IMMAC IM 150

Strong acid cation exchange resin

IMMAC IMC150's strong acid cation exchange resin, Na⁺ from gel type specially designed for softener water treatment application, removal hardness water by exchange ion of calcium and magnesium in raw water and generation by NaCl.

Properties

Type	Styrene divinylbenzene copolymer
Physical form	Amber beads
Functional group	Sulfonic acid
Ionic form, as shipped	Na ⁺
Total capacity	1.40 eq/l min. (Na ⁺ form)
Whole bead	97% min.
Water retention	55 - 62%
Shipping weight	780 - 820 g/l
Bead size	0.30 - 1.20 mm
Uniformity coefficient	<1.9
Swelling change	
Ca ²⁺ -> Na ⁺	5% max.
Na ⁺ -> H ⁺	12% max.
pH range stability	0 - 14

Suggested operating conditions

Maximum temperature	135 oC
Minimum bed depth	0.6m (24 inch)
Backwash rate	25 - 50% bed expansion
Regenerate concentration	4 - 6% NaCl
Regenerate flow rate	4 - 12 BV/h (0.5 - 1.5 gpm/cu.ft. at least 30 minutes
Contact time	115 - 300 g/l
Level	4 - 12 BV/h (0.5 - 1.5 gpm/cu.ft.)
Displacement rinse rate	10 - 15 gallons/cu.ft.
Displacement rinse volume	10 - 25 m/h (2 - 10 gpm/cu.ft.)
Fast rinse rate	35 - 60 gallons/cu.ft.
Fast rinse volume	10 - 25 m/h (2 - 10 gpm/cu.ft.)
Service flow rate	

Water treatment application

Household softener water
Industrial softener water
Municipal softener water

Packaging

25 liter/PE bag.
1000 liter/PE big bag.

