



Aquafine® Fine Mesh Ion Exchange Resin

Aquafine® offers fine mesh strong acid cation resin for many added advantages in water softening applications:

Advantages

- Higher operating capacities
- Minimal salt requirements
- Faster kinetics
- More effective iron removal
- Shallower bed requirements
- Less rinse water needed
- Best for counter-current regeneration

Physical & Chemical Characteristics		
Polymer Matrix Structure		Crosslinked Polystyrene Divinylbenzene
Physical Appearance		Brown yellow to brown grey color beads
Functional Groups		R-SO ³ (Sulfonic Acid)
Ionic Form, as shipped		Na ⁺
Total Capacity, Na ⁺ form, wet, volumetric		≥2.0 eq/l min
Moisture Retention, Na ⁺ form		45-50%
Particle Size Range 30-60 mesh		≥95%
Specific Gravity, moist Na ⁺ Form		1.25-1.29
Shipping Weight (approx.)		51.2 -55.6 lbs
Strength (sphericity after attrition)		≥95%
Whole beads		≥95%
Effective Size		0.3-0.6mm
Reversible Swelling	Na ⁺ → H ⁺ (max.)	7-9%

Suggested Operating Condition		
Item		Reference value
pH Range, Stability		0 - 14
Maximum Temperature	Na ⁺ Form	120°C (248oF) max.
	H ⁺ Form	100°C (212oF) max.

Note: Operating conditions for the above Fine Mesh Resin requires minimum bed depth of 24 inches.

Conditioning for Operation

Canature WaterGroup recommends AQUAFINE AQ100-Na resin be initially regenerated upon the startup of any water softener system. It is also recommended that the resin be sanitized during the initial regeneration with a small amount of 5.25% sodium hypochlorite solution diluted in the saturated brine mixture or Sani-System Liquid Sanitizer.

AQUAFINE is a registered trademark of Canature WaterGroup Canada Inc.

Sani-System Liquid Sanitizer Concentrate	
50033	SOFTENER SANITIZER 0.5FL. OZ (Each/ Single Packet)
50032	SOFTENER SANITIZER 0.5FL. OZ (Case of 24)

Toll Free: 1-877-288-9888
www.canaturewg.com

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Your Local Water Treatment Professional