



Ion Exchange Resin For Softener

- ◆ High stability
- ◆ High capacity
- ◆ Low extractible content





F007 RESIN

Flotrol F-007 is a high purity premium grade cation-exchange resin made from conventional gel polystyrene sulphonate beads. It is designed for water softening, pure water production, hydro metallurgy, and antibiotics extraction.

Feature

- High bead integrity
- Superior chemical and physical stability
- Highly cost-effective



Specifications

Typical Physical & Chemical Characteristics	
Polymer Structure	Styrene Divinylbenzene Copolymer
Functional Group	Sulphonates
Appearance	Amber Beads
Total Exchange Capacity	4.5 meq/g
Volume Exchange Capacity	≥ 1.7 meq/ml
Ionic Form Group	Na ⁺ Type
Water Retention	45~53%
Bulk Density	0.77~0.87 g/ml
Special Density	1.25~1.29 g/ml
Particle Size Range	0.315~1.25 mm
Effective Particle Size	0.4~0.7 mm
Homogeneous Coefficient	≤ 1.8
Roundness After Wearing	≥ 95%
Reversible Swelling Na ⁺ → H ⁺	≤ 10%

Suggested Operating Conditions

PH Range	1~14
Maximum Operating Temperature	H ⁺ ≤ 100 °C Na ⁺ ≤ 120 °C
Working Exchange Capacity	25 °C ≥ 1000 meq/l (wet)
Concentration of Regenerate Solution	NaCl: 8~10 HCl: 4~5
Consumption of Regenerate	NaCl(8~10%)Vol.:ResinVol.=1.5~2:1 HCl(4~5%)Vol.:ResinVol.= 2~3:1
Regenerant Flow Rate	5~8(m/hr)
Regenerant Contact Time	30~60(mins)
Rinse Flow Rate	10~20(m/hr)
Rinse Time	30(mins)(approx.)
Operating Flow Rate	10~40(m/hr)

****Package: 25Liter/ Bag**