

# FUJITEC FA400

Strong Base Anion Exchange Resin, Gel Type

**FUJITEC FA400 is a Type I strongly base anion exchange resin with quaternary ammonium structure base on polystyrene. It has excellent regeneration efficiency and rinse characteristics. The resin has exceptional physical and chemical stability. It also shows good kinetics of exchange, producing very low concentration levels of both strong and weak acid anions to be achieved at practical flow rate. The resin is supplied in chloride or hydroxide form. FUJITEC FA400 is mainly used in production of pure and ultra-pure water separation and purification of biochemicals and radio-elements.**

## Applications & Benefits

- Demineralization water
- Deionization water
- Organic fouling resistance and high operating capacity
- Superior chemical and physical stability

## Typical Physical and Chemical Characteristics

Polymer Structure	Gel polystyrene crosslink with DVB
Type	I
Functional Group	R - N <sup>+</sup> (CH <sub>3</sub> ) <sub>3</sub> - X <sup>-</sup>
Ionic Form as Shipped	Cl <sup>-</sup>
Appearance	White to light yellow spherical beads
Total Capacity, Cl <sup>-</sup> Form (min)	1.3 eq/l
Particle Size Range (mm)	0.45 - 0.70
Uniformity Coefficient (max.)	1.6
Moisture Content (%)	50 - 60
Shipping Weight (approx.)	660 - 710 g/l
Reversible Swelling, Cl <sup>-</sup> OH <sup>-</sup> (%)	28 %
Temp Limit, Cl <sup>-</sup> / OH <sup>-</sup> Form (max)	80 oC/ 60 oC

## Suggested Operating Conditions

Regenerate	NaOH
Regenerate Level (g/mol)	100 - 120
Regenerate Concentration	2 - 4 %
Regenerate Contact Time (min)	30
Regenerate Flow Rate (m/h)	4 - 5
Exchange Flow Rate (m/h)	4 - 5
Exchange Time (min)	25 - 40
Rinsing Time (min)	20 - 30

## Packing

25 liter/Bag

Technical Data Sheet

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