

TM-8 MIXED BED RESIN**Description:**

TM-8 is a high capacity mixed bed resin consisting of a 1:1 chemical equivalent mix of hydrogen form strong acid gel cation resin and hydroxide form Type II strong base gel anion resin. This mixed bed resin will produce high-quality deionized water and will remove essentially all ions including silica and free CO₂.

Chemical Properties

Functional Groups	Sulfonic Acid, Dimethylethanolamine
Ionic Form	Hydrogen / Hydroxide
Cation/Anion Mixture	1:1 Chemical Equivalent
Percent Regeneration	95% Hydrogen minimum 85% Hydroxide minimum 5% Chloride maximum
Metal Impurities (Cation)	
Iron (Fe)	100 ppm maximum
Aluminum (Al)	50 ppm maximum
Heavy Metals (as Pb)	50 ppm maximum
Copper (Cu)	50 ppm maximum
Kinetics	> 15 megohm (Evoqua Kinetics Test)

Physical Properties

Screen Size	
+ 16 Mesh	5% maximum
- 50 Mesh	1% maximum
Whole Beads (%)	90 minimum
Shipping Weight	45 lbs/ft ³

Operating Conditions

Service Flow Rate	
Demineralization	1 to 4 gpm/ft ³
Operating Capacity	0.55 meq/ml (12 kilograins/ft ³ as CaCO ₃)
Maximum Operating Temperature	100 °F