



SRDI Materials of Construction

Resin Type:
 Cation: Hydrogen Form Sulfonated Polystyrene Copolymer
 Anion: Hydroxyl Form Strong Base Alkali Quaternary Ammonium

MAG-MB Materials of Construction

Resin Type:
 Cation: Hydrogen Form Sulfonated Polystyrene Copolymer
 Anion: Hydroxyl Form Strong Base Alkali Quaternary Ammonium

SRDI Construction Notes

1. Manufactured from a type 1 strong acid cation and strong anion mixture.
2. Component resins have been selected for low conductivity values, typically providing water quality of 0.1 microSiemens/cm.
3. The type 1 functional group, in the anionic compound guarantees high purity, silica free water.

MAG-MB Construction Notes

1. Manufactured from a type 1 strong acid cation and strong anion mixture.
2. Component resins have been selected for low conductivity values, typically providing water quality of 0.2 microSiemens/cm.

Technical Data

		SRDI-RESIN-25L	MAG-MB-RESIN-25L
Operating Conditions	Maximum Operating Temperature (°C)	100	100
	Total Capacity (meq/ml)	Cation	1.9
		Anion	1.4
	Maximum Flow Rate (lpm)	38 per ft ³	38 per ft ³
Physical Properties	Functional Group	Cation	SO ₃ H ⁺
		Anion	R ₄ N ⁺ OH ⁻
	Ionic Form		H ⁺ /OH ⁻
	Physical Form (Spherical Beads) (%)		>95
	Uniformity Coefficient		Approx. 1.6
	pH Range		0 - 14
	Particle Size Distribution (%)	+16 mesh	≤5
		-45 mesh	≤2
	Maximum Moisture Content (%)		55
	Metals Content (as ppm by weight of dry resin)	Iron (Fe)	<100
Copper (Cu)		<50	
Lead (Pb)		<50	