

DEIONISING RESIN

Deionisation (DI) is the process in which almost all dissolved ions (or Total Dissolved Solids) are reduced, creating a source of pure water (down to $0.1\mu\text{S}/\text{cm}$). Water of this quality can be used as the final product or as an ingredient in various applications.

Producing water with little to no dissolved contamination, SRDI is employed as the final polishing stage in water treatment systems. Used either in cartridge form for low volume demand such as counter top autoclaves, or in larger vessels suitable for glass washing, pharmaceutical, printed circuit board and other critical applications.



FEATURES & BENEFITS



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

MATERIALS OF CONSTRUCTION



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

Resin Form: Gel-type, amber, Spherical beads

ORDERING GUIDE



Code	Weight (kg)
SRDI-RESIN-25L	18

TECHNICAL DATA



Maximum Operating Temperature (°C)	60
Minimum Capacity (Eq/l)	Cation - 1.9
	Anion - 1.0
Volume Ratio (Cation:Anion %)	40:60
Maximum Flow Rate (BV/h)	8 - 40
Functional Group	Cation - SO_3H^+
	Anion - $\text{R}_4\text{N}^+\text{OH}^-$
Ionic Form	H^+/OH^-
Physical Form (Spherical Beads) (%)	95
Uniformity Coefficient	1.7 Max
pH Range	2 - 12
Bead Size (mm)	Minimum: 0.32
	Maximum: 1.25
Maximum Moisture Content (%)	55