

Materials of Construction

Resin Polymer Structure:	Deionising Polystyrene Copolymer
Cartridge:	Polypropylene
End Cap:	Polypropylene
Gasket:	Thermoplastic Elastomer (TPE)
End Cap Filter Pad:	Polypropylene
Pre-Filter:	20µ Polypropylene
Post Filter:	20µ Polypropylene

Construction Notes

1. Cartridge shells are manufactured from robust polypropylene for durability and chemical compatibility.

Technical Data

Operating Conditions	Maximum Operating Temperature (°C)		37
	Maximum Operating Pressure (bar)		8.6
	Maximum Capacity CaCO ₃ (mg) at Maximum Flow Rate (lpm)	SRDI-5	6,000 at 0.1
		SRDI-10	24,000 at 0.4
		SRDI-20	47,000 at 0.8
		SRDI-10BB	65,000 at 1
SRDI-20BB		127,000 at 2.3	

Physical Properties	Functional Group	Cation	Sulfonic Acid SO ₃ H ⁺
		Anion	Type 1 Quaternary Ammonium
	Ionic Form		Cl ⁻
	Physical Form		Spherical beads >93%
	Effluent Quality		50% of run >5 megohm
	Particle Size Distribution (%)	+16 mesh	≤5
-45 mesh		≤2	
Moisture Retention (%)		50 - 56 (Cl ⁻ form)	



Resin Cartridge Range

Also available from the SPECTRUM Ion-X family:

- Ion-X Standard De-Ionising (SRDI)
- Ion-X Standard Heavy Metal Removal (SRHM)
- Ion-X Standard Nitrate Removal (SRNI)
- Ion-X Premier De-Ionising (PRDI)