

Materials of Construction

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|--------------------------|----------------------------------|
| 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

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|----------------------|---|----------------|---------------|
| 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)