

### Materials of Construction

Resin Polymer Structure:	Deionising Styrene Divinylbenzene
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
Operating Conditions		Maximum Operating Pressure (bar)		
		8.6		
Operating Conditions		Maximum Capacity CaCO <sub>3</sub> (mg) at	PRDI-10	24,000 at 0.4
		Maximum Flow Rate (lpm)	PRDI-20	

Physical Properties	Functional Group	Cation	40% Sulfonic Acid SO <sub>3</sub> H <sup>+</sup>
		Anion	60% Type 1 Quaternary Ammonium R <sub>4</sub> N <sup>+</sup> OH <sup>-</sup>
	Ionic Form		H <sup>+</sup> /OH <sup>-</sup>
	Physical Form		Spherical beads >93%
	Effluent Quality		50% of run >5 megohm
	Particle Size Distribution		14 - 52 mesh
Maximum Moisture Retention (%)		65	

### 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)

