

### Materials of Construction

Resin Polymer Structure:	Nitrate Removing Macroporous Styrene-Divinylbenzene
Cartridge:	Polypropylene
End Caps:	Polypropylene
Gasket:	Thermoplastic Elastomer (TPE)
End Cap Filter Pad:	Polypropylene
Pre-Filter:	100µ Reticulated Polyfoam
Post Filter:	20µ Spun-Bonded Polypropylene

### Certification

- WRAS approved.



### Construction Notes

- 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 Nitrates (mg) at Maximum Flow Rate (lpm)	SRNI-10	19,100 at 0.4
		SRNI-20	39,000 at 0.8
SRNI-10BB		54,500 at 1	
SRNI-20BB		106,000 at 2.3	

Physical Properties	Functional Group	Type 1 Quaternary Ammonium $R_4N^+OH^-$
	Ionic Form	Cl <sup>-</sup>
	Physical Form	Spherical beads >90%
	Particle Size Distribution	16-50 mesh
	Moisture Retention (%)	50 - 56 (Cl <sup>-</sup> 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)

