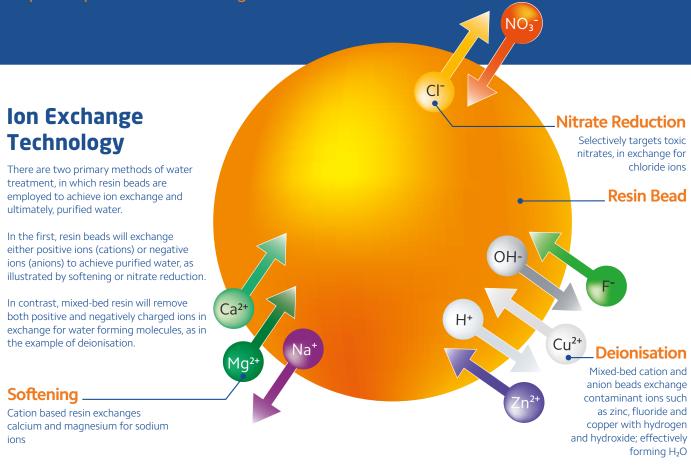
## **Water Treatment Cartridge Technology**

The control of specific dissolved contaminants is essential in a range of applications, from manufacturing make-up water to point of use. Fileder has a variety of technologies which together protect processes, equipment and improve personal wellbeing.



### **Water Treatment Solutions**

Softening Resin has been developed to reduce depositforming minerals, such as calcium and magnesium, protecting varied equipment including steam ovens, commercial boilers and reverse osmosis systems. **Deionisation** (DI) is the process typically employed as the final polishing stage in a water treatment system. DI resin reduces dissolved ions, thus creating a source of pure deionised water suitable pharmaceutical, printed circuit board and other critical

applications. Heavy Metals can have harmful effects on health as well as interfering with sensitive manufacturing processes. Heavy metal reduction resin specifically targets these contaminants, effectively reducing levels to meet drinking water standards. Nitrate Removal is essential in rural or agricultural areas, and considered a serious health problem for infants and the elderly. The selective anion resin reduces nitrate levels by exchanging them for harmless chloride ions, meeting drinking water standards. Iron Reduction can be applied to drinking water applications. The proprietary media used specifically targets dissolved iron to improve taste and prevent orange-brown stains in sinks, toilets and other plumbing fixtures. Scale Inhibiting crystals are an alternative solution to ionexchange treatment, preventing hardness forming ions from precipitating and the build-up of deposits on sanitary ware, food service equipment and drink vending machines.



## 1,000 tons of resin per annum

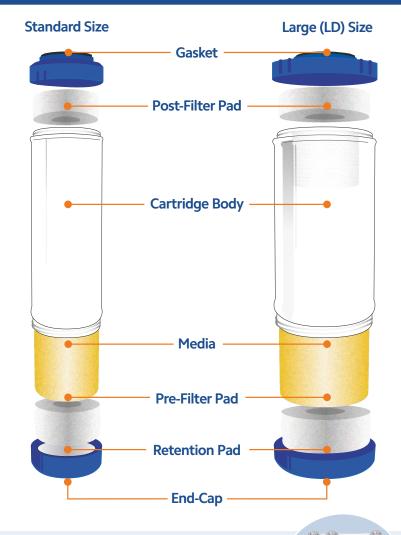
capable of treating more than

## 1 billion litres of water.

## **SPECTRUM Resin Cartridge Construction**

The range of SPECTRUM water treatment cartridges use a specially designed shell, which both integrates the necessary pre-filtration and maximises fluid distribution through the resin bed by using longitudinal flow to increase contact time.





## **Flexible Configurations**

Designed predominantly to be used within plastic filter housings, water treatment cartridges can be combined with SPECTRUM EFHS housing

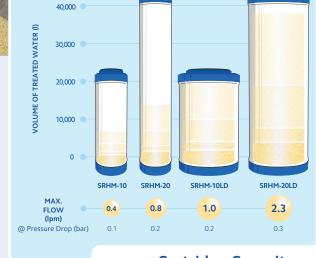


systems to provide a comprehensive solution to varying water challenges. Options range from single to triple housing systems and size options from 10" regular to 20"LD. When using colour change SRDI-IND cartridges, SPECTRUM clear plastic housings (EFH-SC) should be used.



# **Ion-X Heavy Metal Reduction**SRHM

Delivering excellent selectivity of heavy metals including zinc, mercury and copper from potable water supplies, the SHRM also provides water softening properties without the sodium dosing usually found with exclusive softening cartridges. The SRHM can be combined with other filtration and treatment products for a comprehensive solution.



**Heavy Metal Ion Removal** 

## **Key Features**

- Simple and proficient reduction of heavy metals
- Reduces toxic and alkaline earth metals
- For use in drinking water applications
- Media is a WRAS Approved Material



- Pharmaceutical make-up water
- Aquatics



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10	20
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### Diameter

Regular	Large = LD
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### Media Type

Weak Acid Cation Macroporous Type (H+Form)

### **Cartridge Capacity**

Heavy Metals (mg/l)		Volume of Tr	)	
Cartridge Length	10	20	10LD	20LD
10	6,800	14,000	19,600	38,000
25	3,400	7,000	9,800	19,000
50	1,360	2,800	3,920	7,600
75	680	1,400	1,960	3,800



Operating Temperature Range

Max. Operating Pressure 5.5 bar

Max. Operating Pressure Differential

## Part Number

Code	Length	
	10	
SRHM	20	
באחויו ב	10LD	
	20LD	

e.g. SRHM-10