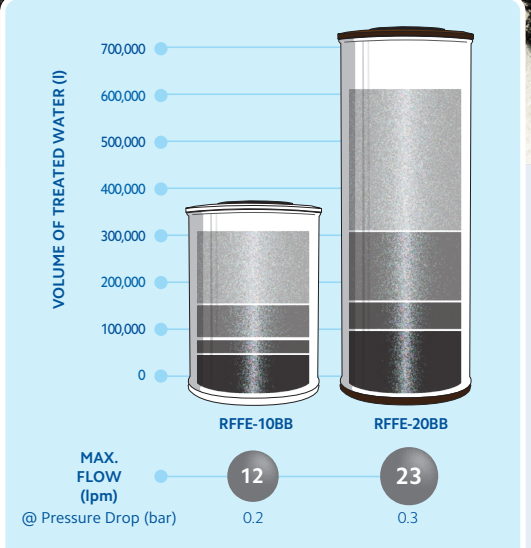




Iron Reduction

RFFE

RFFE cartridges combat offensive taste and staining of taps, sinks, clothes and plumbing usually associated with dissolved iron, with typical reduction levels of up to 90%. The RFFE should be part of a three-stage system, including a SPECTRUM AMS pre-filter and a CFB-Plus Carbon post filter, trapping precipitated iron post RFFE treatment.



Key Features

- Reduces the possibility of damage to pipework
- Large diameter configurations for higher flow rates

Configurations

Length (")

10 20

Diameter

Large = BB

Typical Applications

- Borehole
- Private water supply
- Pre-existing contaminated pipework

Media Type

Manganese activated zeolite

Cartridge Capacity

Iron (mg/l) Cartridge Length	Volume of Treated Water (l)	
	10BB	20BB
0.5	302,800	605,600
1	151,400	302,800
2	75,700	151,400
3	49,200	98,400

Specification

Operating Temperature Range: 4-52°C

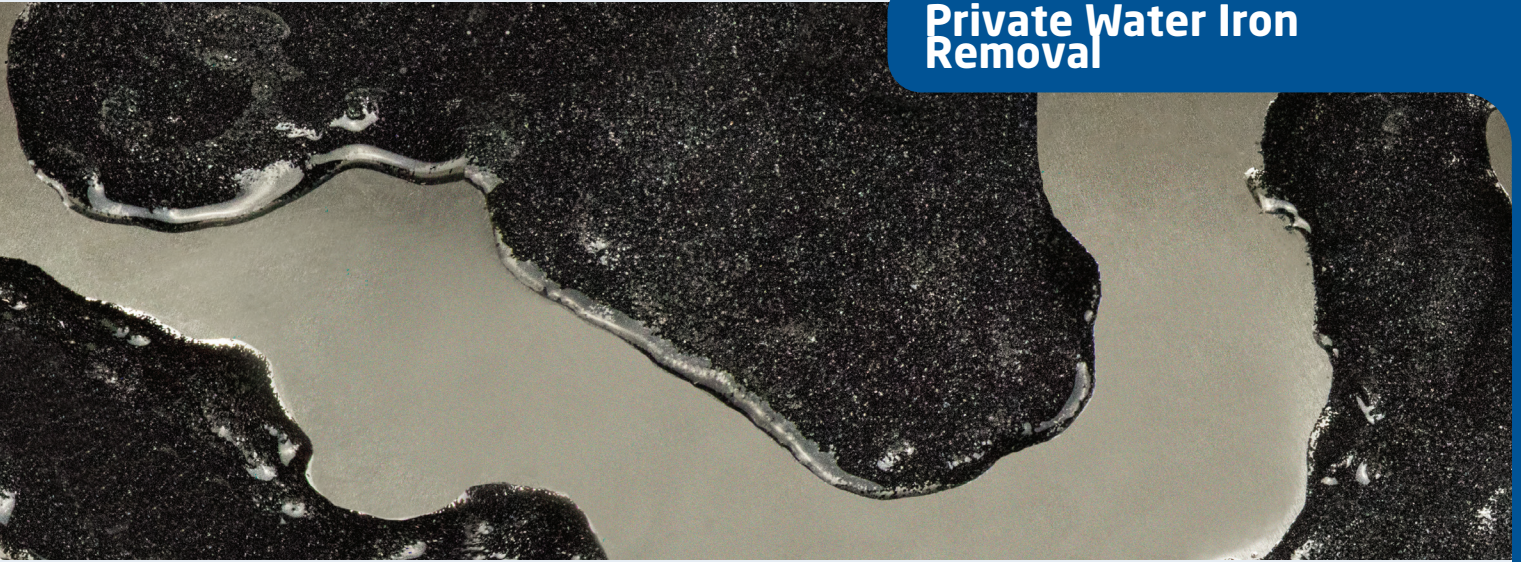
Max. Operating Parameters:

Iron 3mg/l	Hydrogen Sulphide None
Silica 100 mg/l	Iron Bacteria None
Manganese 1mg/l	Minimum PH 7

Part Number

Code	Length	
RFFE	10	BB
	20	

e.g. RFFE-10BB



RFFE System

Forming part of a three stage system.



EFHS-PK/PK/PK-10LD-1



AMS-5-93/4LD + RFFE10-BB + CFB-Plus10BB



EFHS-PK/PK/PK-20LD-1



AMS-5-20LD + RFFE20-BB + CFB-Plus20BB

AMS Pre-Filter

A SPECTRUM AMS filter provides effective sediment filtration whereby a silver ion antimicrobial additive inhibits the growth of bacteria and microbes within the filter, whilst also preventing premature blocking of the RFFE cartridge from bio film build up. Where water supplies are chlorinated or anti-microbial properties are not required, a SPECTRUM PSP sediment filter can be chosen as an alternative option.

RFFE Cartridge

RFFE cartridges solve the complex issue of reducing dissolved iron from water, eliminating offensive taste and staining of taps, sinks and plumbing. Typical reduction levels are 70-90% and the RFFE is safe for drinking water applications. It is recommended that the RFFE is part of a three stage filter solution within a SPECTRUM EFHS housing system.

CFB-Plus Post-Filter

A fibredyne carbon cartridge, such as the Pentair CFB-Plus, should be used post RFFE to trap any remaining precipitates. The dual purposed sediment and chlorine cartridge filters particulate whilst also improving chlorine, taste and odour.

Flow Rate & Lifespan

Lifespan data provided is based upon Pentair internal testing with an RFFE-20BB

Iron Level (mg/l)	Maximum Flow Rate (LPM)	Capacity	Approximate Life of System Based on average household use (days)		
			One Person 280 (LPD)	Two People 475 (LPD)	Four People 950 (LPD)
3	11	98,400	416	208	104
2	15	151,400	640	320	160
1	19	302,800	1,280	640	320
0.5	23	605,600	2,560	1,280	640