

PREMIER CHLORAMINE REDUCTION

Re-innovation of a modern media allows a greater void volume to improve dirt holding capacity and flow rates, while new technology allows greater carbon attachment to fibres, creating the ultimate high-flow carbon cartridges.

This media has allowed for speciality solutions with the SPECTRUM PFBC bringing revolutionary dual-purpose chloramine reduction properties - tackling chloramine and removing sediment in one. This dual design utilises catalytic carbon to deliver superior filtration results that keep users and the environment safe. The presence of chloramine can have harmful effects on humans, fish, yeast production in the brewing process and more, making protection crucial.

Compared to the 'Ultimate Chloramine Removal' SPECTRUM PCB, the PFBC provides chloramine reduction whilst delivering low pressure drop and increased flow rates. This cartridge is a 5-micron, meaning the pre-filtration typically required for the PCB is not needed for the PFBC.



FEATURES & BENEFITS



- Chloramine and sediment reduction in one cartridge
- CTO reduction
- High dirt holding capacity
- 5µm removes need for pre-filters
- Lower pressure drop than Premier Carbon Block (PCB)
- Gaskets permanently moulded onto end-caps to prevent dislodging

MATERIALS OF CONSTRUCTION



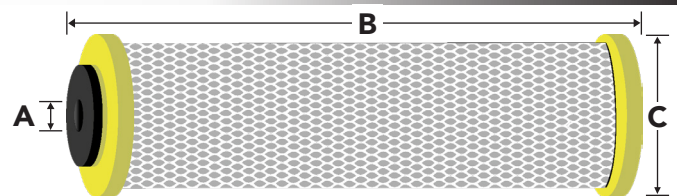
- Media: Activated Carbon Bonded Fibres
- Netting: Polypropylene
- End-cap: Polypropylene
- Gasket: EPDM

TECHNICAL DATA



Micron Rating (µm)	5
Chlorine Removal Efficiency (%) (Initial to End of Test)	98 - 75
Maximum Operating Pressure Differential (bar)	2.4
Maximum Operating Temperature (°C)	38

DIMENSIONS



Dimensions (mm)			
Length (")	A	B	C
9¾	27	248	70
20	27	508	70
30	27	762	70
40	27	1016	70
9¾LD	27	248	115
20LD	27	508	115

PERFORMANCE



PFBC Properties					
Length (")	Chloramine Reduction (L) @ 3mg/l*	Chlorine Reduction (L) @ 2mg/l**	Chlorine Reduction (L) @ 0.2mg/l***	Pressure Drop (Bar) @ Flow Rate (LPM)	
9¾	15,000	190,000	1,662,500	0.14	3.8
20	30,000	380,000	3,325,000	0.14	7.6
30	45,000	570,000	4,987,500	0.14	11.4
40	60,000	760,000	6,650,000	0.14	15.2
9¾LD	50,000	950,000	8,312,500	0.2	7.6
20LD	100,000	1,900,000	16,625,000	0.2	15.2

*Chloramine capacity using 3mg/l free available chloramine at 0.5mg/l breakthrough
 **Chlorine capacity using 2mg/l free available chlorine at 0.5mg/l breakthrough
 ***Calculated chlorine capacity using 0.2mg/l free available chlorine at 0.05mg/l breakthrough

ORDERING GUIDE



Code	Micron (µm)	Length (")
PFBC	5	9¾, 20, 30, 40, 9¾LD, 20LD

e.g. PFBC-1-93/4

PRODUCT RANGE



The below products have often been associated with this product.



EFBC

Advanced Carbon Technology



SFBC

Exceptional Cryptosporidium and Giardia Cyst Protection



PFBC

Premier Chloramine Reduction



SFBC-PB

Lead Reduction Capabilities



SFBC-EL

Primary Carbon for Electroplaters