

## ULTIMATE CHLORAMINE REDUCTION

The SPECTRUM PCB is specifically formulated for effective chloramine control and the only cartridge to offer this feature within the range. Having been manufactured within a five-stage process, this exceptional catalytic activated carbon cartridge offers up to 10 times the capacity of the SPECTRUM SCB. Essential for use in public water supplies where chloramine has been added as the disinfecting agent of choice, the SPECTRUM PCB will typically be found within applications such as aquatics and renal dialysis. Rated at one micron, pre-filtration from the SPECTRUM TruDepth range (such as the SPECTRUM PSP at five micron) is recommended to maximise service life and prevent premature blocking.

Typical applications include Hydroponics, Renal dialysis, public drinking water supply and Aquatics.



## FEATURES & BENEFITS



- Ultra porous, modified powder activated carbon, exceptional at targeting chloramine
- Chlorine capacity up to 10x higher than the SCB
- Reduces the risk of haemolytic anaemia
- 1µm filtration level to remove fine sediment (5µm pre-filtration, i.e. SPECTRUM PSP recommended to extend life)
- Long service life for chlorine reduction

## MATERIALS OF CONSTRUCTION



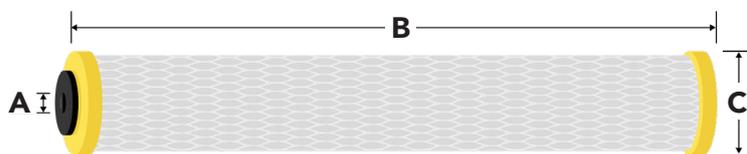
Media:	Catalytic Activated Coconut Carbon
Wrap:	Polypropylene
Core:	Polypropylene
Gasket:	EPDM
End-cap:	Polypropylene
Netting:	Polypropylene

## TECHNICAL DATA



<b>Micron Rating (µm)</b>	1
<b>Chlorine Removal Efficiency (%) (Initial to End of Test)</b>	98 - 85
<b>Maximum Operating Pressure Differential (psi)</b>	2.5 bar @ 20°C
<b>Maximum Operating Temperature (°C)</b>	38

## DIMENSIONS



Dimensions (mm)			
Length (")	A	B	C
9 <sup>3</sup> / <sub>4</sub>	28	248	66
20	28	508	66
30	28	762	66
40	28	1016	66
9 <sup>3</sup> / <sub>4</sub> LD	28	248	115
20LD	28	508	115

PERFORMANCE



PCB Properties					
Length (")	Chloramine Reduction (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	0.3	1.9
20	30,000	380,000	3,325,000	0.3	2.8
30	45,000	570,000	4,987,500	0.3	7.6
40	60,000	760,000	6,650,000	0.3	11.4
9¾LD	50,000	950,000	8,312,500	0.4	7.6
20LD	100,000	1,900,000	16,625,000	0.4	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 (")
PCB	1	9¾, 20, 30, 40
		9¾LD, 20LD

e.g. PCB-1-30

PRODUCT RANGE



The below products have often been associated with this product.



**CB**

Where price is the primary concern



**ECB**

For frequent process changes



**SCB**

The 'all rounder'



**SCB-S**

For multi-round housings



**PCB**

For chloramine removal