




## 870 Carbon Range

SPECTRUM 870 range of activated carbon block cartridges treat water by removing the bad taste, odour and appearance associated with chemical and organic pollutants.

Contaminants such as chlorine, chloramine, herbicides, solvents, dyes are all treated along with the removal of organics through absorption. To satisfy the requirements of different water treatment applications, SPECTRUM 870 range includes 3 grades – Economic, Standard and Premier. Choosing the grade that is most suited to the application is influenced by the water source's levels and types of pollutants combined with the desired purity and cartridge life.

 **Economic** - Chlorine, chemical and organic taste, odour and appearance removal

 **Standard** - Higher efficiency and capacity chlorine, chemical and organic taste, odour and appearance removal

 **Premier** - Chloramine and highest capacity chlorine, chemical and organic taste, odour and appearance removal

### Flow effects

The concentration and types of contaminants present combined with the speed of flow determines the capacity and service life of the cartridge. Carbon requires contact time with water to be effective, the slower the flow, the better the result because there is time for the carbon to adsorb the contaminants. Recommended flow rates and cartridge capacities are shown in the Product Information table.

### Increase service life

The capacities for each grade are determined using chlorine at 2ppm in test conditions to national standards. In mains fed applications the level of chlorine can be as low as 0.1ppm meaning the lifetime of the cartridges can be far longer than stated in the technical information given.

### Protection

The carbon block matrix is designed to treat chemicals and organics and in most cases needs to be protected from particulate and debris with pre-filtration. The full life of the cartridge is achieved when the cartridge is protected from blocking with sediment. Carbon block cartridges should be replaced when the life is exhausted or at latest 12 months from installation for best filtration and water treatment practise.

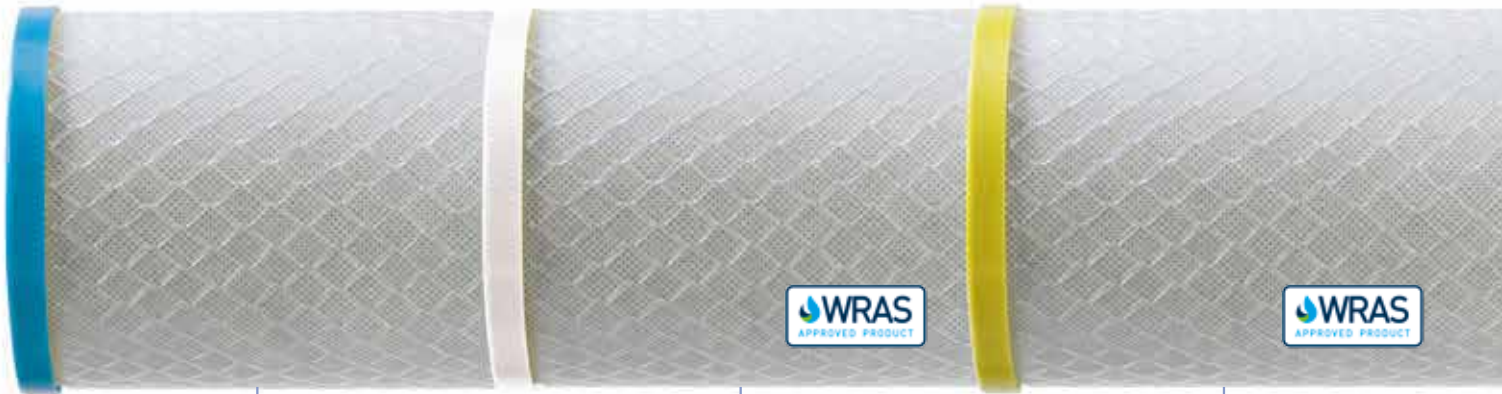


 **SPECTRUM™**

## Economic - ECB

## Standard - SCB

## Premier - PCB



**Economical cartridge for chlorine reduction**

**52°C**

**1 5 10**

**9¾ 20**

**Standard = Blank    Large Diameter = BB**

**WRAS approved cartridge for extended chlorine reduction**

**52°C**

**5**

**9¾ 20**

**Standard = Blank    Large Diameter = BB**

**Chloramine reduction cartridge with WRAS approval**

**37°C**

**1**

**9¾ 20 30 40**

**Standard = Blank    Large Diameter = BB**

- Key product features**
- Gaskets for secure seal
  - Wrap protects block from sediment blinding
  - Individually packaged and labelled

- Key product features**
- High capacity taste and odour reduction
  - FDA compliant binders
  - WRAS approved cartridge

- Key product features**
- Chloramine removal
  - Highest capacity taste and odour reduction
  - WRAS approved cartridge

Product information								
Product Code	Micron (µ)	Chlorine Reduction (litres)	Chloramine	Flow (lpm)	Initial Δp (bar)	Length (")	Box Quantity	Box Weight (kg)
ECB - µ - 9¾	1, 5, 10	6,000	-	3.8	0.4	9¾	15	5
ECB - µ - 20	1, 5, 10	12,000	-	7.6	0.4	20	15	10
ECB - µ - 9¾BB	1, 5, 10	24,000	-	7.6	0.5	9¾	6	5
ECB - µ - 20BB	1, 5, 10	48,000	-	15.1	0.5	20	6	10
SCB - 5 - 9¾	5	11,000	-	3.8	0.3	9¾	15	7
SCB - 5 - 20	5	22,000	-	7.6	0.3	20	15	14
SCB - 5 - 9¾BB	5	50,000	-	7.6	0.4	9¾	6	8.5
SCB - 5 - 20BB	5	100,000	-	15.1	0.4	20	6	17
PCB - 1 - 9¾	1	190,000	15,000	1.9	0.1	9¾	15	7
PCB - 1 - 20	1	380,000	30,000	3.8	0.1	20	15	13
PCB - 1 - 30	1	570,000	45,000	7.6	0.1	30	15	20
PCB - 1 - 40	1	760,000	60,000	11.4	0.1	40	15	27
PCB - 1 - 9¾BB	1	950,000	50,000	7.6	0.13	9¾	6	7
PCB - 1 - 20BB	1	1,900,000	100,000	15.2	0.13	20	6	4

range **CB** - micron - length - diameter e.g. ECB-5-9¾