

# Model No. #CAW-SCBC-series

## Nano-Silver Activated Carbon Block Filter

### Features :

- Essential effect to reduce Taste, Odor, Chlorine for pre-filtering requested. And plus Bacteria resistance compared to be UV alternative filter of cost reduction solution.
- Nano-meter (10-9 meter) is in the spectrum particle sizes between molecular and DNA in the range of NF filtration. The coverage Bacteria sorts beyond 650 specifies to damage the mechanism of germ's metabolism to induce death of unicellular. The interference of cell wall is root function to kill the existing unicellular germs and its breeding.
- Low pressure drop, high dirt holding capacity, durable physical strength, and steady flow to achieve reliable performance & long life usage.
- Cartridges are manufactured in compliance with NSF and FDA requirement in material and processing.
- Applications serve residential, commercial & industrial range.
- Ramp production capacity with rapid production lines expanding flexibility for exclusive OEM projects.

### Specifications :

Serial No.	Length *1	Outer Diameter *2	Nominal Micron Rating	Initial Pressure drop
CBC-05	5" (127 mm)	1 2/9"(32 mm), 1 4/9"(37 mm)	0.5u, 1u, 5u, or 10uM available	0.056 kg / cm2 @ 5LPM
CBC-10	9 3/4" (248 mm)	1 7/9"(45 mm), 2 1/9"(54 mm), 2 1/2"(63 mm), 2 2/3"(68 mm), 4"(100 mm), BB 4 4/8"(115 mm)		0.051 kg / cm2 @ 5LPM
CBC-20	20" (508mm)			0.045 kg / cm2 @ 5LPM

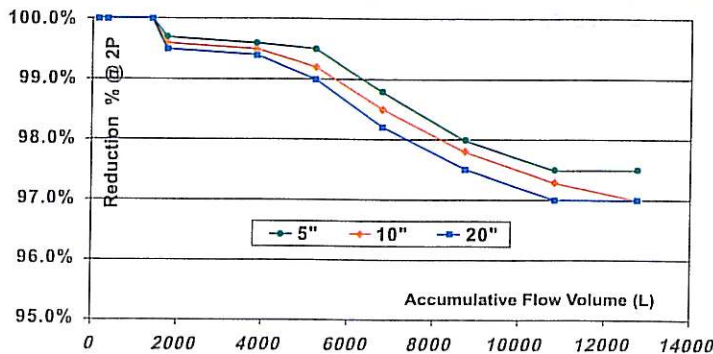
- Note : 1. Length of 30", 40" and customization sizes available upon request  
 2. OD/ID customization sizes available upon request

### Functions :

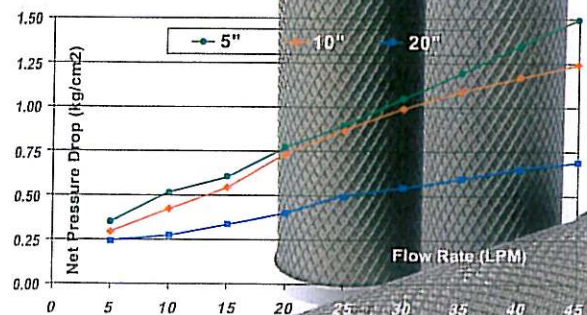
- Essential functions to achieve NSF42 aesthetic requirement to reduce Chlorine, bad taste & odor (\*1)
- 0.5uM, 1uM micron-filtration cartridge against VOCs(\*2), Cyst, turbidity(\*3) removal per NSF53 norms.
- Bacteria Resistance upto 95+% against Staphylococcus, Escherichia Bacillus, Pseudomonas aeruginosa, Liebsiella pneumonia, Candida albicans. (Independent LAB. Report of Bacteria reduction result and Silver non-detected leakage available upon request)

**Performance :** (e.g. 5 uM of 5, 10, 20, OD/ID:63/32 mm carbon block cartridge)

### Chlorine Reduction % Life Cycle Chart



### Pressure drop v.s. Flow Rate Diagram



- Note : 1. per NSF42 par. 7.3.3 table 9 reduction 50% with result 95% over 3500 gallons against Chlorine influent G/Min. @2ppm.  
 2. per NSF53 par. 7.2 table 7 requirement 95%.  
 3. per NSF53 par. 7.3.2 for class I, Turbidity and Cyst reduction 99.95%