



CB SERIES
Carbon Block Filters

Hydro Guard™ CB Series Carbon Block Filters

Data Sheet

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are manufactured with high purity coconut shell activated carbon and are available in a wide range of lengths, diameters, and micron ratings. Hydro Guard carbon blocks provide an exceptional cost-to-performance value, with high chlorine reduction, great dirt-holding capacity, and greatly reduced carbon fines, you will soon make the CB series your carbon block of choice.

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are ideal for point-of-use (POU) and reverse osmosis applications. These cartridges can be used in a wide range of applications such as residential, food service, commercial, and industrial. The CB Series carbon blocks are great for displacing traditional GAC (Granular Activated Carbon) and PAC (Powder Activated Carbon) filters in applications where high chlorine reduction is needed.

- ✓ Reduce taste, odor, chlorine and certain VOC's from drinking water*
- ✓ Nominal 0.5, 1, 5 and 10 micron available
- ✓ Great chlorine removal capacity *



Tested and certified by NSF International to ANSI/NSF Standard 42 for material requirements only.

2.5" DIAMETER SPECIFICATIONS									
	Part Number	Description	Chlorine Capacity* (GALLONS)	Micron Rating Nominal*	Initial ΔP (psi) at Flow Rate (gpm)	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
5"	HDGP-CB-2505-05	2.5"x 4 7/8"	3,000 at 1.0 gpm	5μ	2.0 psid at 1.0 gpm	40	16 x 13 x 11	22	9.98
	HDGP-SMCB-2510	2.5"x 9 7/8"	20,000 at 0.5 gpm	0.5μ	4.0 psid at 0.5 gpm	20	16 x 13 x 11	22	9.53
10"	HDGP-CB-2510-01	2.5"x 9 7/8"	6,000 at 0.75 gpm	1μ	4.0 psid at 0.75 gpm	20	16 x 13 x 11	21	9.53
	HDGP-CB-2510-05	2.5"x 9 7/8"	6,000 at 1.0 gpm	5μ	2.0 psid at 1.0 gpm	20	16 x 13 x 11	20	9.07
	HDGP-CB-2510-10	2.5"x 9 7/8"	6,000 at 1.5 gpm	10μ	2.0 psid at 1.0 gpm	20	16 x 13 x 11	16	7.36
20"	HDGP-SMCB-25-20	2.5"x 20"	40,000 at 1.0 gpm	0.5μ	4.0 psid at 1.0 gpm	20	16 x 13 x 22	43	19.50
	HDGP-CB-2520-01	2.5"x 20"	12,000 at 1.5 gpm	1μ	4.0 psid at 1.5 gpm	20	16 x 13 x 22	43	19.50
	HDGP-CB-2520-05	2.5"x 20"	9,000 at 2.0 gpm	5μ	2.0 psid at 2.0 gpm	20	16 x 13 x 22	37	16.78
	HDGP-CB-2520-10	2.5"x 20"	9,000 at 2.5 gpm	10μ	2.0 psid at 2.0 gpm	20	16 x 13 x 22	36	16.33

4.5" DIAMETER SPECIFICATIONS									
	Part Number	Description	Chlorine Capacity* (GALLONS)	Micron Rating Nominal*	Initial ΔP (psi) at Flow Rate (gpm)	Case Quantity	Box Dimension (Inches)	Weight (lbs)	Weight (kgs)
10"	HDGP-SMCB-4510	4.5"x 9 7/8"	50,000 at 2.0 gpm	0.5 μ	4.6 psid at 2.0 gpm	9	15 x 15 x 11	31	14.06
	HDGP-CB-4510-01	4.5"x 9 7/8"	20,000 at 2.5 gpm	1μ	7.0 psid at 2.5 gpm	9	15 x 15 x 11	31	14.06
	HDGP-CB-4510-05	4.5"x 9 7/8"	12,000 at 3.5 gpm	5 μ	4.0 psid at 3.5 gpm	9	15 x 15 x 11	27	12.25
	HDGP-CB-4510-10	4.5"x 9 7/8"	12,000 at 4.0 gpm	10 μ	4.0 psid at 4.0 gpm	9	15 x 15 x 12	24	10.89
20"	HDGP-SMCB-4520	4.5"x 20"	100,000 at 2.6 gpm	0.5 μ	8.2 psid at 2.6 gpm	6	17 x 11 x 23	43	19.50
	HDGP-CB-4520-01	4.5"x 20"	17,000 at 1.0 gpm	1μ	6.5 psid at 5.0 gpm	6	17 x 11 x 23	43	19.50
	HDGP-CB-4520-05	4.5"x 20"	26,000 at 7.0 gpm	5 μ	4.5 psid at 7.0 gpm	6	17 x 11 x 23	38	17.24
	HDGP-CB-4520-10	4.5"x 20"	26,000 at 8.0 gpm	10 μ	4.5 psid at 8.0 gpm	6	17 x 11 x 23	35	15.87

MATERIALS OF CONSTRUCTION

Carbon:	Coconut shell
End caps:	Polypropylene
Outer wrap:	Polypropylene
Inner wrap:	Polypropylene
Netting:	Polypropylene
Gaskets:	Neoprene

TEMPERATURE RATING

40 °F to 180 °F (4.4 °C to 82.2 °C)

PRESSURE RATING

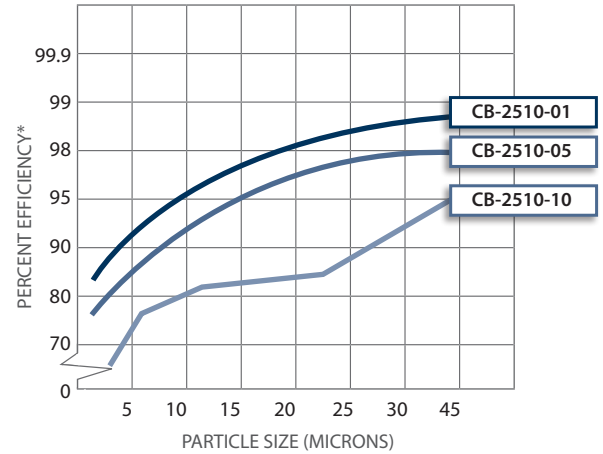
Maximum Operating Pressure:	250 psi (17 bar)
Maximum Differential Pressure:	100 psid (6.8 bar)
Collapse Pressure:	200 psid (13.8 bar)

MAXIMUM FLOW RATING (GPM)

Microns	2.5" x 10"	2.5" x 20"	4.5" x 10"	4.5" x 20"
0.5	0.5	1	2	2.6
1	0.75	1.5	2.5	3
5	1	2	3.5	7
10	1	2	4	8

NOTE: Performance capacity depends on system design, flow rate and certain other application conditions. CB series cartridges will contain a very small amount of carbon fines (very fine black powder). After installation, follow the instructions for flushing the cartridge to remove all traces of the fines before using the water. You should run (flush) the tap at least 20 seconds prior to using water for drinking or cooking purposes. This is particularly important if the tap has not been used daily.

NOTE: Micron ratings based on 85% or greater removal of given particle size.

2.5" Diameter x 9 7/8" Length

4.5" Diameter x 9 7/8" Length
