

GBFC Wrapped Carbon filter, which works with the GBFC filter head to make a complete system, has been certified under AS 3497, NSF/ANSI 42, 401, 372 and CSA B483.1 for reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in relevant standards. The performance of this product has been verified and substantiated by below test data. Testing was performed under standard laboratory conditions, actual performance may vary. Spent adsorption media will not be generated and used.

Notice:

1. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.
2. If there is a reminder replacing Filter cartridge and single head to indicate replacing, please get filter cartridge replaced on time. If there is no reminder, filter cartridge SHOULD be replaced every 10 years. Single head SHOULD be replaced every 10 years.

Filter	Replacement Filter	Filter Head	Rated Flow Rate	Rated Capacity	Operating Temperature	Working Pressure
GBFC Wrapped Carbon filter	GBFC Wrapped Carbon Replacement Filter	GBFC filter head	1 GPM(3.78 L/min)	3,000 gallons(11,356 liters)	39-98.6°F (4-37°C)	40-90 PSI (2.76-6.21 Bar)

Substance	NH/MRC ADWG or USEPA SDWA MCL	Ave. Influent Concentration	Max. Effluent Concentration	Ave. Effluent Concentration	NSF/ANSI Influent Challenge Concentration	Max. Permissible % Product Water Concentration	Min. % Reduction	Ave. % Reduction	Max. % Reduction
NSF/ANSI 42 – Aesthetic Effects									
Chlorine	–	2.08 mg/L	1.02 mg/L	0.61 mg/L	2.0 mg/L±10%	≥ 50%	53.42%	70.99%	97.61%
Nominal Particulate Reduction Class I (≥0.5 μ m to < 1 μ m)	–	9,000,000 particulates/mL	610,000 particulates/mL	143,166.67 particulates/mL	At least 10,000 particles/mL	≥ 85 %	93.1%	98.4%	99.6%
NSF/ANSI 401 – Emerging Compounds/Incidental Contaminants									
Microplastics, particles 0.5 to < 1 μ m	–	9,000,000 particulates/mL	610,000 particulates/mL	143,166.67 particulates/mL	At least 10,000 particles/mL	≥ 85 %	93.1%	98.4%	99.6%

Testing conditions:

- pH: 7.5 ± 0.05
- Temperature: 20 ± 3 °C (68 ± 5 °F)
- Pressure: 60 ± 3 psi (4.1 ± 0.2 bar)
- Flow rate: 1 gpm

Guidelines for Use:

Nominal flow rate: 1 gpm (3.78 L/min)
 Rated capacity: 3,000 gallons (11,355 Liters)
 Min/Max working pressure: 40-90 PSI (2.76-6.21 Bar)
 Min/Max operating temperature: 39-98.6 ° F (4-37 ° C)

Class	Treatment Type	Function	Pass
I	Microbiological status- Bacteriostatic	Will stop bacteria increasing but will not remove them unless Category II(a) is passed.	N/A
II	Microbiological treatment-Bacteria removal	Will remove or inactivate bacteria	N/A
II(a)	Microbiological treatment-Virus removal	Will remove or inactivate bacteria	N/A
II(b)	Microbiological treatment-Protozoa removal	Will remove or inactivate Cryptosporidium and Giardia. Will not remove or inactivate bacteria and viruses unless Category II(a) and Category II(b) are passed.	N/A
III	Aesthetic effects – Turbidity and particulate removal	Reduces cloudiness	✓
IV	Aesthetic effects – Taste and Odour reduction	Reduces tastes and odours	✓
V	Chemical treatment	Decreases certain chemicals: See PDS for a detailed list of reduced chemicals.	✓