



GAC Series

Granular Activated Carbon Filters

Description

GAC Series Granular Activated Carbon Filter is economical water replacement filter. Its shell is made of food grade plastic and filled with high quality granular activated carbon. High quality granular activated carbon(GAC) has a strong adsorption effect, can absorb chemical pollutants in water such as chlorine and its derivatives, different colors, odors, pesticide residues and bleaching powder, and effectively improve the taste. The structure of the GAC carbon filters allow water to enter from one end and pass the entire length of the carbon bed of the GAC cartridge before leaving the other end. The internal expansion pad minimizes channels or bypasses. This design facilitates the full contact of water and carbon, ensuring maximum adsorption and best filtration effect.



Features

- Multiple sizes of GAC filter cartridges are available for custom
- Granular activated carbon filters are low pressure drop and high flow rates
- Suitable for RO pre-filtration, widely used in household and commercial water purification
- GAC carbon filter cartridges are effective reduction of bad taste and odor, and chlorine taste & odor
- GAC filter cartridges are made of FDA food grade plastic housing and high-quality granular activated carbon

Specification

Filter Media	Granular Coconut Shell Activated Carbon, Granular Coal Activated Carbon
Length	5", 9.75", 9.8", 10", 20" etc.
Inside Diameter	28mm
Outside Diameter	70mm
Filtration Rating	5µm, 10µm
Outer Shell & End Caps	Polypropylene
Expansion Pad	Polypropylene
Gasket	Silicone, Buna-N
End Cap Color	Blue, Orange, can be customized

Application

- Electronics
- Drinking Water
- RO Pre-filtration
- Food & Beverage
- Plating Processes
- Wastewater Treatment
- Water Purifier Pre-filtration
- Household Water Purification
- Commercial Water Purification

Operation Data

Max. Operating Temperature	80°C (176°F)
Max. Differential Pressure	100psi (6.8 Bar)
Max. Operation Pressure	125psi (17 Bar)
Min. Operation Pressure	20psi (1.38 Bar)
Filtration Life	3-6 months according to water quality
Max. Flow Rate	10"x2.5" GAC Filter: 2.5GPM 20"x2.5" GAC Filter: 5GPM

Chlorine Reduction Capacity of GAC Carbon Filters

Size	Initial Pressure Drop (psi)	Chlorine Capacity (gal)
GAC 10"x2.5"	0.6 psi @ 0.75gpm	5,000 @ 0.75gpm
GAC 20"x2.5"	0.6 psi @ 1.5gpm	10,000 @ 1.5gpm

Order Information

GAC	Filter Material	Length	ID	OD	Micron Rating	Gasket/O-ring
GAC Series Granular Activated Carbon Filters	A = Granular Coal Activated Carbon	5 = 5"	C = 28mm	D = 70mm	5 = 5µm	S = Silicone
		9.75 = 9.75"				
		9.8 = 9.8"				
	B = Granular Coconut Shell Activated Carbon	10 = 10"			10 = 10µm	U = Buna-N
	20 = 20"					

For Example:

GAC-B-10-C-D-5-S

GAC Carbon Filters - Granular Coconut Shell Activated Carbon - 10" - 28mm - 2.5" - 5µm - Silicone

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