



# ACB Filters

Extruded Activated Carbon Block Media



ACB filters are made of high purity, acid washed, activated carbon that is fused into a uniform block. The polypropylene prefiltration layer on the outside of the filters greatly extends service life.

Carbon block filter cartridges remove chlorine and organic chemicals that can affect the taste and odor of water. They provide the particulate filtration and dirt holding capacity of an efficient 5.0 µm nominal sediment filter.

Critical Process provides unrivaled delivery times, technical consulting before purchasing, and very competitively priced high-performance products. Our comprehensive testing/analysis and validation services support your team whenever they need it. Your process experts partnering with our filtration experts is how we deliver your company's solution right the first time.

ACB filters are recommended for the prefiltration of water to remove:

- Chlorine
- Organic chemicals

## Clarification & Prefiltration



CARTRIDGES – Nominal Dimensions  
Length: 9.75 to 40 in. (24.8 to 101.6 cm)  
Outside Diameter: 2.70 in. (6.86 cm)

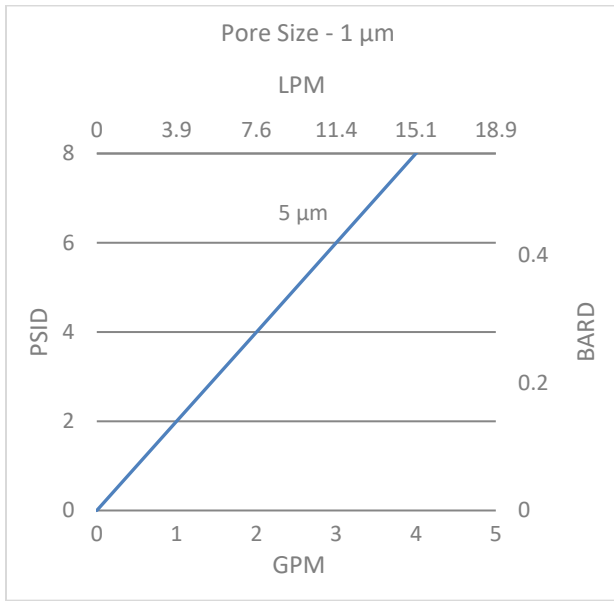
## Maximum Operating Parameters

	CARTRIDGES
Operating Temperature (water)	125 °F (52 °C)
Maximum Operating Pressure	250 psid (17.2 bard)
Maximum Differential Pressure	100 psid (6.89 bard)
Collapse Pressure	200 psid (13.8 bard)

## Sanitization & Sterilization

**WARNING:** Do not autoclave or steam sterilize ACB filters. Use only with microbiologically safe and adequately disinfected water.

## Flow Rate for ACB Cartridges



Flow rates for Cartridge filters are per 10-inch length. The test fluid is water at ambient temperature.

## Notes

The chlorine taste and odor removal capacity of ACB filters is 6,000 gallons per 10" filter element at a flow rate of 1.0 gpm per 10" filter element.

Performance of a given ACB Carbon Block Filter Cartridge varies in direct proportion to the total weight of carbon in each filter.

ACB Carbon Block Filter Cartridges meet projected chlorine taste and odor reduction capacity when tested in accordance with NSF/ANSI Standard 42 protocol.

All materials of construction are FDA accepted.

Nominal particulate rating is 5 µm with > 85% removal efficiency as determined from a single pass particle counting test.

Actual results obtained will vary with various combinations of organic contaminants, changes in pH or other conditions encountered in actual use.

All information presented here is based on data believed to be reliable. It is offered for evaluation and verification, but is not to be considered a warranty of any kind. This cartridge must be placed in an appropriate housing and flushed for a minimum of 5 minutes prior to use.

## ACB Filters Ordering Information

All Critical Process filters are configurable to meet customer specifications. Fill in the corresponding code in the box below to build your Part Number.

To consult with one of our technical team members, request a quote or place an order: call (603) 880-4220 Ext. 106, or send an email to [sales@criticalprocess.com](mailto:sales@criticalprocess.com)

### Cartridge Filters

ACB -

**Length**

975 = 9.75 in. (24.8 cm)

20 = 20 in. (50.8 cm)

30 = 30 in. (76.2 cm)

40 = 40 in. (101.6 cm)



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