

# ACB Cartridge Filters

## Extruded Activated Carbon Block Media



ACB Carbon Block Filter Cartridges remove chlorine and the 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  $\mu\text{m}$  nominal sediment filter. ACB filters are optimized for applications where they perform the role of both a sediment and activated carbon block filter such as in residential and commercial water purification systems, food service, pre- and post-RO systems, and organic solvents.

ACB filters are manufactured in the US from high purity, acid washed, activated carbon that is fused into a uniform block with enhanced adsorptive capacity and efficiency. Filters flow in a radial (outside to inside) direction providing a low pressure drop. Unlike granular activated carbon filters, ACB cartridges will not channel or bypass because of the high uniformity of their extruded activated carbon cores. Service life is greatly extended by a prefiltration media layer on the outside of the filters.

### Technical Specifications

Part No.	Length x O.D.	Weight	Chlorine Taste and Odor-Reduction Capacity and Flow	Nominal $\mu\text{m}$ Rating	Initial $\Delta\text{P}$ @ Flow
ACB975	9.75 in. x 2.70 in.	0.75 lbs.	> 6,000 gal @ 1.0 gpm	5.0 $\mu\text{m}$	2.0 psid @ 1.0 gpm
ACB20	20 in. x 2.70 in.	1.75 lbs.	> 12,000 gal @ 2.0 gpm	5.0 $\mu\text{m}$	2.0 psid @ 2.0 gpm
ACB30	30 in. x 2.70 in.	2.50 lbs.	> 18,000 gal @ 3.0 gpm	5.0 $\mu\text{m}$	2.0 psid @ 3.0 gpm
ACB40	40 in. x 2.70 in.	3.25 lbs.	> 24,000 gal @ 4.0 gpm	5.0 $\mu\text{m}$	2.0 psid @ 4.0 gpm

### Applications

- ◆ Water
- ◆ Organic Solvents

### Maximum Operating Parameters

<b>Maximum Differential Pressure</b>	100 psid (6.89 barg)
<b>Maximum Operating Pressure</b>	250 psig (17.2 barg)
<b>Collapse Pressure</b>	200 psid (13.8 barg)
<b>Maximum Operating Temperature</b>	52 °C (125 °F)

### Sanitization/Sterilization

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

### Total Performance

Critical Process Filtration, Inc. is a vertically integrated manufacturer of filtration products to industries in which filtration is considered a critical part of the manufacturing process. We supply a complete line of products and services to help you cost-effectively satisfy all your filtration requirements from a single source.

### Quality Assurance and Standards

Our goal is to ensure our customers the greatest possible value for their filtration dollar. Our state of the art manufacturing facility and quality management system both meet ISO 9001:2008 standards. Each operation from assembly and test to cleaning, drying, and packaging is done in appropriately rated clean rooms. A sophisticated MRP system collects and processes real time data from manufacturing centers and inspection points. This allows variable and attribute data to be quickly and easily analyzed driving constant improvements in both quality and cost.

## Notes

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.

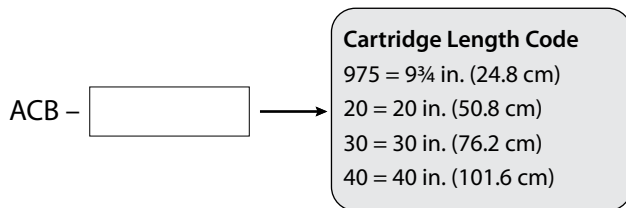
Nominal particulate rating (5 µm) is for > 85% of a given size, as determined from a single pass particle counting test.

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.

## Ordering Information

All that is needed is the series code and length. For example: ACB-20 = Carbon Block 20 in. length.



Request a **QUOTE** from your area representative



### Critical Process Filtration, Inc.

One Chestnut Street • Nashua, NH 03060  
Tel: 603.880.4420 • Fax: 603.880.4536

[criticalprocess.com](http://criticalprocess.com) • [sales@criticalprocess.com](mailto:sales@criticalprocess.com)

The information contained herein is subject to change without notice.

The Critical Process Filtration logo is a trademark of Critical Process Filtration, Inc.

Viton is a trademark of DuPont Performance Elastomers L.L.C.

© 2011-2015 Critical Process Filtration, Inc. • All Rights Reserved • Data Sheet ACBDS1011 Rev-