

3M™ Activated Carbon Filter Cartridges

3M™ Activated Carbon Filter cartridges reduce chlorine, color and odors caused by dissolved organics, and turbidity from aqueous and organic liquids. All materials are constructed of FDA listed materials for food contact and may be used for drinking water and potable liquids. The easy-to-change disposable cartridge contains about 33 cubic inches of premium grade granular activated carbon. The activated carbon adsorbs dissolved organics, and reduces chlorine. An integral 5 mm prefilter reduces various particulates to eliminate premature clogging of the carbon bed, while a 5 mm post-filter reduces carbon fines that may shed from the bed.

Construction

The activated carbon bed, the pre-filter, and post-filter are contained in a heat-sealed polyethylene case (see diagram). This unitized cartridge construction eliminates the mess associated with handling carbon. The 5 mm post-filter prevents the activated carbon from escaping. 3M Activated Carbon cartridges can be used in either single cartridge filter housings or stacked in multiple cartridge housings. The Santoprene® end gaskets provide the necessary seal in either arrangement.

Operating Data

A single 3M Activated Carbon cartridge is designed for a flow rate of 2 gpm of water. Since prolonged contact time can increase the adsorption efficiency, it may be desirable to maintain a flow rate lower than the 2 gpm per cartridge in some applications. The cartridge life is limited by either of the following:

- Saturation of the adsorptive capacity of the activated carbon, or
- Plugging of the integral pre-filter.

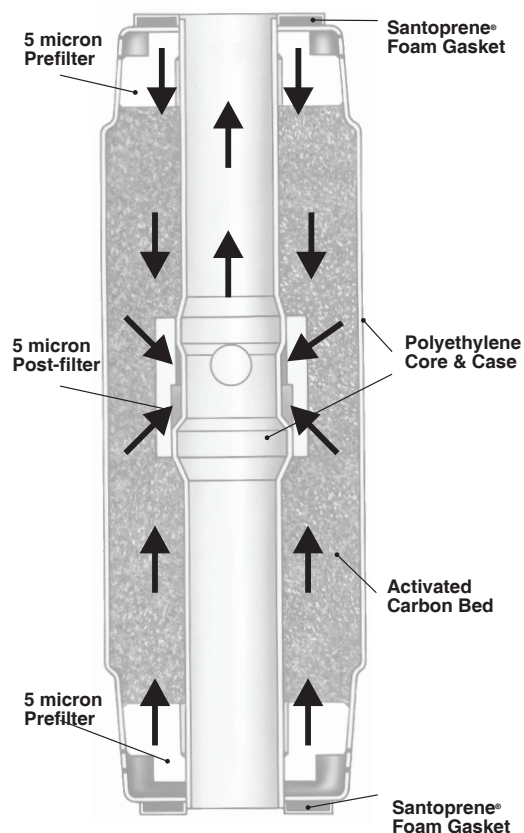
If plugging of the integral prefilter is causing premature cartridge replacement, then consider installing a Micro-Klean™ RB series cartridge as a prefilter to the 3M Activated Carbon cartridge. Cartridge life will vary in relation to the contaminant load in the liquid. Other factors influencing cartridge life are flow rate, temperature, and the pH level of the filtrate.

Benefits

Heat-Sealed, No-Mess Carbon Cartridge

Integral 5 Micron Prefilters and Postfilters

Interchangeable in All Existing Single and Multi-Cartridge Filter Housings



Activated Carbon Ordering Guide

Plant Code 06 Product Code 069

Basic Catalog Number	Maximum Temperature	Outside Diameter (Inches)
46332-01	100° F (38° C)	2¾
46285-01	100° F (38° C)	3



Important Notice

The information described in this literature is accurate to the best of our knowledge. A variety of factors, however, can affect the performance of the Product(s) in a particular application, some of which are uniquely within your knowledge and control. **INFORMATION IS SUPPLIED UPON THE CONDITION THAT THE PERSONS RECEIVING THE SAME WILL MAKE THEIR OWN DETERMINATION AS TO ITS SUITABILITY FOR THEIR USE. IN NO EVENT WILL 3M PURIFICATION INC. BE RESPONSIBLE FOR DAMAGES OF ANY NATURE WHATSOEVER RESULTING FROM THE USE OF OR RELIANCE UPON INFORMATION.**

It is your responsibility to determine if additional testing or information is required and if this product is fit for a particular purpose and suitable in your specific application.

3M PURIFICATION INC. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

Limitation of Liability

3M Purification Inc. will not be liable for any loss or damage arising from the use of the Product(s), whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.



3M Purification Inc.
400 Research Parkway
Meriden, CT 06450
U.S.A.
Phone (800) 243-6894
(203) 237-5541
Fax (203) 630-4530
www.3Mpurification.com

Your Local Distributor:

Please recycle. Printed in U.S.A.
3M is a trademark of 3M Company.
Micro-Klean is a trademark of
3M Company used under license.
All other trademarks are used under license of their
respective owners.
© 2012 3M Company. All rights reserved.
70-0201-8613-9 REV 0212b