

3M Purification

3M™ Activated Carbon Series Filter Cartridges



Activated Carbon Series Filter Cartridges remove chlorine, colour and odours 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 83.8 cubic centimetres of premium grade granular activated carbon. The activated carbon adsorbs dissolved organics and removes chlorine.

An integral 5mm prefilter removes various particulates to eliminate premature clogging of the carbon bed, while a 5mm post-filter removes carbon fines that may shed from the bed.

Features & Benefits

- Heat-Sealed, No-Mess Carbon Cartridge
- Integral 5 Micron Prefilters and Postfilters
- Interchange able in All Existing Single and Multi-Cartridge Filter Housings

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 5mm 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.

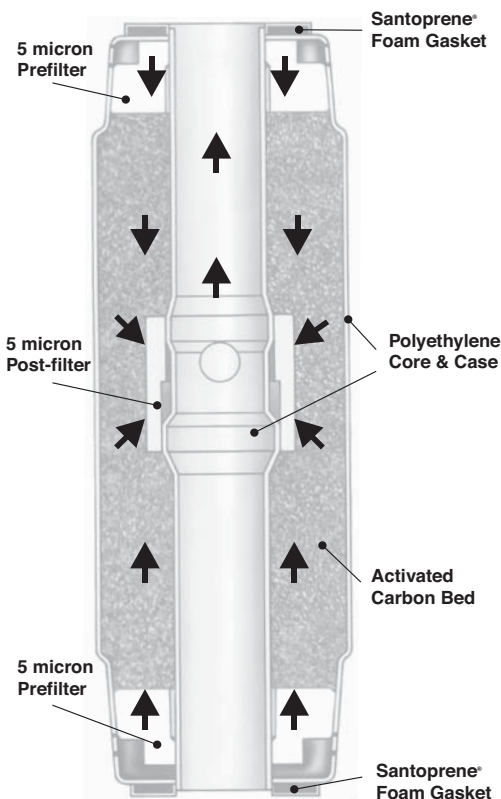
Operating Data

A single 3M Activated Carbon Series Filter cartridge is designed for a flow rate of 7.61 lpm of water. Since prolonged contact time can increase the adsorption efficiency, it may be desirable to maintain a flow rate lower than the 7.61 lpm per cartridge in some applications. The cartridge life is limited by either of the following:

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

If plugging of the integral prefilter is causing pre-mature cartridge replacement, then consider installing a 3M Micro-Klean RT™ Series Filter as a prefilter to the 3M Activated Carbon Filter 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.



ACTIVATED CARBON ORDERING GUIDE

Plant Code 06

Product Code 069

Part Number	Maximum Temperature	Outside diameter (mm)
AK200069032	37.8 °C	69
70020106830	37.8 °C	76

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 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.

Limitation of Liability

3M Purification Pty Limited will not be liable, to the extent permitted by law, for any loss or damage from the use of the Product(s), whether direct, indirect, special, or consequential, regardless of the legal theory asserted, included warranty, contract, negligence or strict liability.



3M Purification Pty Limited

140 Sunnyholt Road
Blacktown NSW 2148
AUSTRALIA

Tel. 1300 367 362

Fax. 1800 671 599

www.3mpurification.com.au

New Zealand

PO BOX 33-246

North Shore 0740

Auckland, NEW ZEALAND

Tel. 0800 362 886

Fax. 0800 362 880

www.3m.com/nz

Issued July 2012