



MKCA Micro-Klean® Activated Carbon Filter Cartridges



The CUNO activated carbon cartridges MKCA remove chlorine, colour, odours and other organics from water and aqueous liquids. The easy to change disposable cartridge contains about 400 ml of selected hard granular activated carbon for a bed height of 14 cm. This design allows an adsorption of organics and dissolved gas and an efficient dechlorination even with high chlorine content (4 ppm and more). MKCA is designed for drinking water or potable liquids.

Features and benefits

Heat sealed “no mess” carbon cartridges

- Activated carbon prefilter, postfilter and inner core are all contained in a heat sealed polyethylene case. This unitized cartridge construction eliminates the mess associated with handling carbon.

Pre and postfilter

- The Micro-Klean prefilter cartridge removes dirt, rust and other sediments to avoid fouling by suspended matter and to increase life and adsorption efficiency. The Micro-Klean postfilter prevents carbon release.

Granular carbon

- The activated carbon used in the CUNO cartridges has been carefully selected in order to have the best compromise in between the hardness number, the adsorption capacity, the surface area and the ash content.

Cartridge canister

- The canister design allows optimal use of all the volume of carbon and results in longer contact time and maximum adsorption capacity.

Filter housings

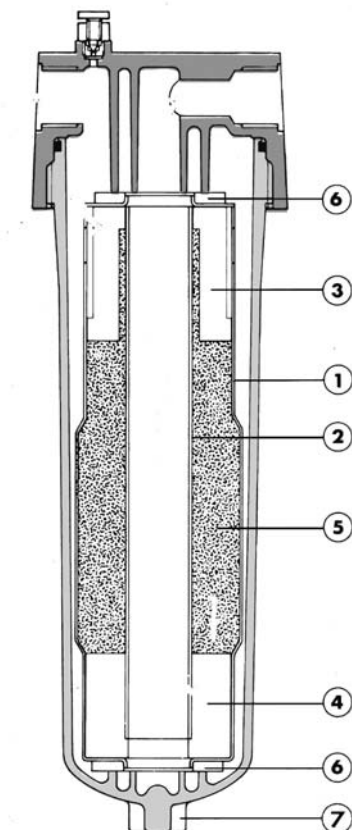
- The CUNO activated carbon cartridges can be used in either single cartridge filter housing or stacked in multiple cartridge housings. End gaskets provide the necessary seal in either arrangement.

Applications

Water treatment

- Dechlorination
- Pesticides and organics removal
- Odour and colour removal

CARTRIDGE CONSTRUCTION



- 1 Cage in polyethylene
- 2 Inner core in polyethylene
- 3 and 4 Prefilter and postfilter Micro-Klean B2 (5 µm)
- 5 Granular activated carbon (specification supplied on request)
- 6 Gasket (Nitrile)
- 7 CUNO housing: plastic housing (1N1) or stainless steel (CT 101)

CARTRIDGE OPERATING INSTRUCTIONS

The CUNO activated carbon cartridge is normally applied at a maximum flow-rate of 8 l/mn/cartridge. Since prolonged contact time can increase the adsorption efficiency it may be desirable to maintain a flow-rate lower than 2.5 l/mn/cartridge on some applications.

When the carbon is spent, the taste and odours return in the effluent ; this indicates a required change of cartridges.

A decrease in flow on the cartridge or a fall in the outlet pressure indicates the prefilter cartridges are being prematurely clogged. A larger Micro-Klean prefilter should be installed ahead of the carbon cartridge filter.

OPERATING PARAMETERS

- Maximum temperature : 38°C
- Maximum differential pressure : 1 bar
- Recommended flow-rate : 2.5 l/mn/cartridge
- Maximum recommended flow-rate : 8 l/mn/cartridge

ORDERING GUIDE

Cartridge reference :
MKCA : 1070911

WARRANTY

Seller warrants its equipment against defects in workmanship and material for a period of 12 months from date of shipment from the factory under normal use and service and otherwise when such equipment is used in accordance with instructions furnished by Seller and for purposes disclosed in writing at the time of purchase, if any. Any unauthorized alteration or modification of the equipment by Buyer will void this warranty. Seller's liability under this warranty shall be limited to the replacement or repair, F.O.B., point of manufacture, of any defective equipment or part which, having been returned to the factory, transportation charges prepaid, has been inspected and determined by Seller to be defective. THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EITHER EXPRESSED OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE OR USE, OR ANY OTHER MATTER. Under no circumstances shall Seller be liable to Buyer or any third party for any loss of profits or other direct or indirect costs, expenses, losses or consequential damages arising out of or as a result of any defects in or failure of its products or any part or parts thereof or arising out of or as a result of parts or components incorporated in Seller's equipment but not supplied by the Seller.

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