



**M A T R I K X**  
Extruded Carbon

**CTO®**



# Chlorine Taste & Odor Reduction Filter

## FEATURES & BENEFITS

- 5 µm Nominal Filtration\*
- High Adsorptive Capacity and Efficiency\*
- Efficient Sediment Filter\*
- Competitively Priced vs. GAC Filters



## TYPICAL USAGES

Matrikx® CTO® filters are the most widely used carbon block devices in the world and provide previously unattainable performance. Matrikx® CTO® filters simultaneously remove chlorine taste and odor and organic chemicals that contribute to taste and odor while providing the particulate filtration and dirt-holding capacity of an efficient 5 µm nominal sediment filter. These filters are optimized for applications where they perform the role of both a sediment and activated carbon filter.

## TECHNICAL SPECIFICATIONS AND ORDER INFORMATION

Part No.	O.D. x Length (nominal)	Chlorine Taste & Odor Reduction Capacity @ Flow*	Nominal µm Rating*	Initial ΔP @ Flow*
32-250-125-975 **	2.50" x 10"	>6,000 gal. @ 1.0 GPM >22,000 L @ 3.8 LPM	5 µm	2.0 psid @ 1.0 GPM 0.14 bar @ 3.8 LPM
32-250-125-20 **	2.50" x 20"	>12,000 gal. @ 2.0 GPM >45,000 L @ 7.6 LPM	5 µm	2.0 psid @ 2.0 GPM 0.14 bar @ 7.6 LPM
32-425-125-975	4.25" x 10"	>12,000 gal. @ 3.0 GPM >45,000 L @ 11.4 LPM	5 µm	4.0 psid @ 3.5 GPM 0.28 bar @ 13.2 LPM
32-425-125-20	4.25" x 20"	>26,000 gal. @ 7.0 GPM >98,000 L @ 26.5 LPM	5 µm	4.5 psid @ 7.0 GPM 0.31 bar @ 26.5 LPM

\*Based on Manufacturer's Internal Testing \*\*manufactured in Singapore

KX's proprietary extrusion process allows the production of a carbon block with more carbon, but a lower pressure drop. This enables a Matrikx® CTO® filter to deliver extended life while removing sediment, chlorine taste and odor and organic contaminants from water, aqueous solutions or suspensions. The Matrikx® CTO® is also widely used in filtering organic solvents. The Matrikx® CTO® is ideal for use in residential and commercial water purification systems, food service, pre- and post-RO systems.

The Matrikx® CTO® is manufactured from high purity activated carbon. Its dirt-holding capacity and the absence of carbon fines makes the Matrikx® CTO® the filter of choice. A

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CTO®

## ORDER INFORMATION

To order, contact an authorized Master Stocking Distributor (no factory-direct ordering or shipping).

## EXTRUDED CARBON = EXCEPTIONAL VALUE

MATRIKX® CTO® filters consist of activated carbon particles fused into a uniform block with enhanced adsorptive capacity and efficiency. MATRIKX® CTO® filters flow in a radial (outside-to-inside) direction, providing increased dirt-holding capacity and low pressure drop. Unlike granular activated carbon (GAC) filters, MATRIKX® CTO® cartridges will not channel or bypass due to the extreme uniformity of their extruded activated carbon core. Service life of the MATRIKX® CTO® filter is greatly extended by a pre-filtration medium.

- No channeling
- No fouling
- No bypassing
- Lowest extractables, pure materials of construction
- Maximum service life and resistance to fouling
- Manufactured using FDA-compliant materials
- Color-coded molded one-piece gasket and end cap

**IMPORTANT NOTICE:** Performance claims are based on a complete system, including a filter, housing, and connection to a pressurized water source. This filter must be placed in an appropriate system, and operated according to the system's specifications in order to deliver the claimed performance. It is essential to follow operational, maintenance, and filter replacement requirements, as directed for each application, for this filter and system to perform correctly. Read the Manufacturer's Performance Data Sheet accompanying the system and change the filter as suggested. The contaminants or other substances removed or reduced by this water filter are not necessarily in all users' water.

## NOTES

1. Projected chlorine taste and odor reduction capacity when tested in accordance with NSF/ANSI Standard 42 protocol.
2. Nominal particulate rating (5 µm) is for >85% of a given size as determined from single-pass particle counting results.\*
3. Absolute particulate rating (10 µm) is for >99.9% of particles of a given size as determined from single-pass particle counting results.\*\*
4. Actual results obtained will vary with various combinations of organic contaminants, changes in pH or other conditions encountered in actual use.
5. 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.
6. MATRIKX® CTO® filters are designed to fit most standard household and commercial or industrial housings.
7. This cartridge must be placed in an appropriate housing and flushed for a minimum of 5 minutes prior to use.

\* Nominal Filter Rating: Filtrating indicating the approximate size particle, the majority of which will not pass through the filter. It is generally interpreted as meaning that 85% of the particles of the size equal to the nominal micron rating will be retained by the filter. (WQA Glossary of Terms, Third Edition, 3-97).

\*\* Absolute Filter Rating: Filtrating meaning that 99.9% (or essentially all) of the particles larger than a specific micron rating will be trapped on or within the filter. (WQA Glossary of Terms, Third Edition, 3-97).

## WARNINGS

Maximum Operating Temperature: 125°F/51.67°C Maximum Operating Pressure: 250 psig/17.24 bar Maximum Differential Pressure: 100 psid/6.895 bar Collapse Pressure: 200 psid/13.79 bar

MATRIKX® CTO® filters are not to be autoclaved or steam-sterilized. Use MATRIKX® CTO® carbon filters only with microbiologically safe and adequately disinfected water.

### LIMITED LIABILITY

KX Technologies LLC makes no warranties of any kind, expressed or implied, statutory or otherwise, and expressly disclaims all warranties of every kind, concerning the product, including, without limitation, warranties of merchantability and fitness for a particular purpose, except that this product should be capable of performing as described in this product's data sheet. KX Technologies LLC's obligation shall be limited solely to the refund of the purchase price or replacement of the product proven defective, in KX Technologies LLC's sole discretion. Determination of suitability of this product for uses and applications contemplated by Buyer shall be the sole responsibility of Buyer. Use of this product constitutes Buyer's acceptance of this Limited Liability.

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This product is covered by one or more of the following United States Patent Nos. 5,922,803; 5,946,342; 6,061,384; 6,395,190; applicable US patent applications; foreign patents and applicable foreign patent applications.

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5/2/11