




## MATRIKX CTO Carbon Block Filter Instructions

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**CTO Carbon Block Filter  
Instruction Manual**



## CTO

ACTIVATED CARBON BLOCK  
FILTER FOR CHLORINE,  
TASTE & ODOR REDUCTION\*.

NOW WITH CHLORAMINE REDUCTION\*

MATRIKX® CTO filters, are made using 100% coconut shell based activated carbon, a renewable and ecologically sustainable material. CHLORAMINE reduction claims\* are now standard in the MATRIKX® CTO line, the result of a breakthrough in high performance Catalytic Carbon Technology.

### FEATURES & BENEFITS

MATRIKX® CTO carbon block filters feature:

- Chloramine reduction\*
- 5 micron nominal filtration reduces sand, rust and sediment
- Excellent chemical contaminant reduction\*
- High dirt holding capacity
- High Adsorptive Capacity and Efficiency
- NSF and WQA certification for Material Safety
- California Prop. 65 compliance.

\*BASED ON MANUFACTURER'S  
INTERNAL TESTING

### DIRECTIONS FOR USE

Place cartridge in an appropriate housing and flush for 20 minutes prior to use. Use only with microbiologically safe and adequately disinfected water.

#### COMMENTS

Maximum Operating Temperature: 125° F/ 52° C, Maximum Operating Pressure: 250 psig/ 17 bar

#### Model:

MANUFACTURED BY:  
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Made in India  
Issue 1, January 2020



## CTO

ACTIVATED CARBON BLOCK FILTERS FOR CHLORINE, TASTE & ODOR REDUCTION\*  
NOW WITH PFAS AND CHLORAMINE REDUCTION\*

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## FEATURES & BENEFITS

- PFAS reduction\*
- Chlorine and Chloramine reduction\*
- 5 micron nominal filtration reduces sand, rust, and sediment
- Excellent chemical contaminant reduction\*
- High dirt holding capacity
- High Adsorptive Capacity and Efficiency
- NSF and WOA certified for Material Safety
- California Prop. 65 compliance

## MATRIKX® ADVANTAGE

**MATRIX** has earned a reputation for innovation. Our latest breakthrough is high-performance catalytic carbon technology. We are proud to announce the addition of chloramine reduction claims across our standard range of New and Improved MATRIX carbon blocks.

Made from 100% coconut shell activated carbon, a renewable and eco-friendly material, the standard MATRIX line has been Certified for Sustainability by WOA. MATRIX™ products not only deliver industry-leading performance and value, they are also manufactured using sustainable materials and a process that is kind to the environment.

## OUR COMMITMENT TO QUALITY

- 100% Coconut Shell Activated Carbon
- Performance validated by independent laboratories
- Manufactured in an ISO 9001 & 14001 certified facility
- Certified for Sustainability by WOA -S-803
- California Prop. 65 Compliant



\*Based on manufacturer's internal testing.

## STANDARD PRODUCTS

Fully finished MATRIX CTO, carbon block filter cartridges are compatible with industry-standard 10-inch and 20-inch open sump housings: MATRIX CTO carbon blocks have a nominal rating of 5 microns.

MATRIX® Part Number	Size	Chlorine Reduction Cap acity'	PDF Reduction Capacity	Chloramine Reduction Capa city'	Pressure Drop Spec
32-250-10-M 41RIK(S	2%9%° (70mm x 248mm)	» 12,000 gallon s @ 1gpm » 45,000 litres @ 3.8 Vmin	·3,250 gallons @ 0.5 gpm »12,300 litres @ 19 Vmin	» 1,000 gallons @ 0.5gpm » 3,800 litres @ 1 9 Vmin	3psid@ 1pm
32-250-20-M ATRIKX®	2%20 (70mm x 508mm)	» 24,000 gallon s @ 2gpm » 91,000 litres @ 7.6 Vmin	»6,500 gallons @ 1 gpm 24,600 litres @ 3. 8 Vmi	» 2,000 gallons @ 1gpm »7,600 litres @ 3. 8 Vmin	3psid @ 2gpm
32-450-10-M A1RIKI?	44% (114mm x 248m	» 36,000 gallon s @ 3gpm » 136,500 Litres @ 114 Vmin	9,750 gallons @ 1 5 gpm ·36,900 litres @ 5 6 Vmin	» 3,000 gallons @ 15gpm » 11,400 litres @ 5.6 Vmin	4psid @ 3gpm
32-450-20-M A1RIRKS	4%×20 (114mm x 508m m)	» 51,000 gallon s @ 7gpm » 193,000 litres @ 26.6 Vmi	»19,500 gallons @ 3 gpm »73,800 litres @ 114 Vmin	• 6,000 gallons @ 3gpm » 22,800 litres @ 114 Vmin	7sid @ 7gpm

Based on the manufacturer's internal testing. Performance claims are based on independent laboratory and manufacturer's internal test data.

Actual performance is dependent on influent water quality, flow rates, system design, and application. Results may vary. Micron ratings are based on >85% removal of the given particle size. Estimated capacity> 90% reduction in chlorine at 2 ppm, >95% reduction in PFAS at 1500 ppt, > 83% reduction in chloramine at 3ppm.




## NOTES

**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.

1. The performance of a given MATRIX carbon filter varies in direct proportion to the total weight of carbon in each filter.
2. Projected chlorine taste and odor reduction capacity when tested in accordance with NSF/ANSI Standard 42 protocol.
3. The nominal particulate rating is for >85% of a given size as determined from single-pass particle counting results.\*

4. Absolute particulate rating is for >99.9% of particles of a given size as determined from single-pass particle counting results.
  5. Actual results obtained will vary with various combinations of organic contaminants, changes in pH, or other conditions encountered in actual use.
  6. 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.
  7. MATRIX filters are designed to fit most standard household and commercial or industrial housings.
  8. Contact Filtrex Technologies Pvt. Ltd to check filter housing compatibility.
  9. After installation, follow the instructions on the label for flushing the carbon block prior to use.
- \*Nominal Filter Filter rating indicates the approximate size particle, the majority of which does not pass through the filter. It is generally interpreted as meaning that 85% of the particles of the size to the nominal micron rating will be retained by the filter (WOA Glossary of Terms Third Edition, 3.97)
- \*Absolute Filter Rating: Filter rating means that 99.9%(or essentially all) of the particles larger than a specific micron rating will be trapped on or within the filter (WOA Glossary of Terms, Third Edition, 3.97)

	The filter cartridge is tested and certified by NSF International against NSF/ANSI Standard 42 for material safety requirements only.
	The filter cartridge is tested and certified by WOA against NSF/ANSI Standard 42 for material safety requirements only.
	This filter cartridge is certified by the Water Quality Association to WOA/ASPE/ANSI S-803 for sustainability.

## LIMITED LIABILITY

Filtrex Technologies Pvt. Ltd 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 datasheet. Filtrex Technologies Pvt. Ltd's obligation shall be limited solely to the refund of the purchase price or replacement of the product proven defective, in Filtrex Technologies Pvt. Ltd'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.

## WARNINGS

**Minimum Operating Temperature: 40F/ 4°C**

**Maximum Operating Temperature: 125° F/ 52° C**

**Minimum Operating Pressure: 20 psi/ 1.38 bar**

**Maximum Operating Pressure: 250 psi/ 17 bar**

**Maximum Differential Pressure: 100 psi/6.895 bar**

**Collapse Pressure: 200 psi/13.79 bar**

MATRIX" filters are not to be autoclaved or steam sterilized Use MATRIX carbon filters only with microbiologically safe and adequately disinfected water.

## MANUFACTURED BY

Filtrex Technologies Pvt. Ltd. HRBR Layout, Bangalore 560043, India.

MATRIX is a trademark of KX Technologies, LLC.

## Documents / Resources



[Matrikx CTO Carbon Block Filter](#) [pdf] Instructions  
CTO, Carbon Block Filter, Block Filter, CTO, Filter

Manuals+