

Carbon Block Filters for Chlorine Taste and Odor reduction



Standard Products

Fully finished **Matrikx® CTO®**, powered by **GreenBlock®**, carbon block filter cartridges are compatible with industry standard 10 inch and 20 inch open sump housings:

| Part Number | OD x Length | Micron Rating (nominal)* | Chlorine Taste and Odour Reduction Capacity* | Pressure Drop Spec* |
|-----------------|------------------------------------|--------------------------|--|---------------------|
| 32-250-10-GREEN | 2 3/4" x 9 3/4" (70mm x 248mm) | 5 microns | > 8,000 gallons @ 1gpm > 30,000 litres @ 3.8 l/min | 1.0 psid @ 1 gpm |
| 32-250-20-GREEN | 2 3/4" x 20" (70mm x 508mm) | 5 microns | > 16,000 gallons @ 2gpm > 60,000 litres @ 7.6 l/min | 2.5 psid @ 2gpm |
| 32-450-10-GREEN | 4 1/2" x 9 3/4" (114mm x 248mm) | 5 microns | > 16,000 gallons @ 3gpm > 60,000 litres @ 11.4 l/min | 5.0 psid @ 3 gpm |
| 32-450-20-GREEN | 4 1/2" x 20" (114mm x 508mm) | 5 microns | > 34,000 gallons @ 7gpm > 129,000 litres @ 26.6 l/min | 8.0 psid @ 7 gpm |

*Not performance tested or certified by NSF or WQA. 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 is based on >90% reduction of 2ppm of free chlorine.

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. Performance of a given **Matrikx®** 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. 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. **Matrikx® CTO®** filters are designed to fit most standard household and commercial or industrial housings. 8. Contact Filtrix Technologies Pvt. Ltd or KX Technologies LLC to check filter housing compatibility. 9. This cartridge must be placed in an appropriate housing and flushed for a minimum of 20 minutes prior to use.

* Nominal Filter Rating: Filter rating 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: Filter rating 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).



COMPONENT

The filter cartridge is tested and certified by NSF International against NSF/ANSI Standard 42 for materials requirements only.



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WARNINGS

Maximum Operating Temperature: 125° F/ 52° C

Maximum Operating Pressure: 250 psig/ 17 bar

Maximum Differential Pressure: 100 psid/6.895 bar

Collapse Pressure: 200 psig/13.79 bar

Matrikx®, powered by GreenBlock®, CTO® filters are not to be autoclaved or steam-sterilized. Use Matrikx®, powered by GreenBlock®, CTO® carbon filters only with microbiologically safe and adequately disinfected water.

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