VOC, Chlorine Taste and Odor Reduction

FEATURES & BENEFITS

- VOC Reduction Based on NSF/ANSI Standard 53
- 0.6 µm Nominal Filtration
- Turbidity Reduction Based on NSF/ANSI Standard 53
- Outstanding Chlorine Taste and Odor Reduction

TYPICAL USAGES

MATRIKX® VOC™ is the most effective filter available for the combined reduction of VOCs and control of large volumes and concentrations of chlorine taste and odor. Manufactured using a patented, solid-state extrusion process, the MATRIKX® VOC™ meets NSF/ANSI Standard 53, Turbidity Reduction.

TYPICAL TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Part No.</th>
<th>O.D. x Length</th>
<th>Weight</th>
<th>Chlorine Taste &amp; Odor Reduction Capacity @ Flow</th>
<th>Chloroform Reduction Capacity @ Flow</th>
<th>Nominal µm Rating</th>
<th>Initial ΔP @ Flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>02-250-125-975</td>
<td>2.50&quot; x 9.75&quot;</td>
<td>0.85 lbs.</td>
<td>&gt;6,000 gal. @ 1.0 GPM</td>
<td>&gt;750 gal. @ 0.5 GPM</td>
<td>0.6 µm</td>
<td>5 psid @ 0.5 GPM</td>
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Made of “MATRIKX Extruded Carbon,” the MATRIKX® VOC™ is a rigid, carbon block composite that provides optimal VOC reduction and high chemical adsorptive capacity. The MATRIKX® VOC™ is also designed to deliver exceptional chlorine taste and odor reduction. The MATRIKX® VOC™ is ideal for use in residential and food service applications.
granular activated carbon (GAC) filters, MATRIKX®

Manufactured using FDA-compliant materials

- Graded density prefiltration design
- Maximum service life and resistance to fouling
- Lowest extractables, pure materials of construction
- Eliminates release of carbon fines
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- No fluidizing
- No bypassing
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EXTRUDED CARBON = EXCEPTIONAL VALUE

MATRIKX® VOC™ filters consist of activated carbon particles fused into a uniform block with enhanced adsorptive capacity and efficiency. MATRIKX® VOC™ 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® VOC™ cartridges will not channel or bypass due to the extreme uniformity of their extruded activated carbon core. Service life of the MATRIKX® VOC™ filter is greatly extended by a prefiltration medium.

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NOTES

1. Performance of a given MATRIKX® extruded carbon filter varies in direct proportion to the total weight of carbon in each filter. For example, a 4.25" O.D. x 20" L MATRIKX® filter contains approximately seven times as much activated carbon as a 2.50" O.D. x 9.75" L MATRIKX® filter, and will therefore have seven times the rated chlorine taste and odor capacity when operated at seven times the rated flow of the smaller cartridge. Hence, rated flow is based on maintaining identical contact/residence times for all filters.

2. Projected chlorine taste and odor reduction capacity when tested in accordance with NSF/ANSI Standard 42 protocol.

3. Nominal particulate rating (0.6 µm) is for >85% of a given size as determined from single-pass particle counting results. *

4. Absolute particulate rating (2 µm) is for >99.9% of particles of a given size as determined from single-pass particle counting results. **

* 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)

WARNINGS

Maximum Operating Temperature: 125°F
Maximum Operating Pressure: 250 psig
Maximum Differential Pressure: 100 psid
Collapse Pressure: 200 psid

MATRIKX® filters are not to be autoclaved or steam-sterilized. Use MATRIKX® VOC™ carbon filters only with microbiologically safe and adequately disinfected water. Activated carbon filters are not designed to kill or remove bacteria or viruses. Actual results obtained will vary with various combinations of organic contaminants, changes in pH or other conditions encountered in actual use. 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.

MATRIKX® filters are designed to fit most standard household and commercial or industrial housings. Contact KX Technologies LLC to check filter housing compatibility. This cartridge must be placed in an appropriate housing and flushed for a minimum of 5 minutes prior to use.

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.

MADE IN THE U.S.A.
DISTRIBUTED BY:

VOC™

KX TECHNOLOGIES
The Science Behind Better Water™

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This product is covered by one or more of the following United States Patents: 5,071,371; 5,147,732; 5,193,062; 5,241,948; 5,311,837; 5,322,882; 5,956,592; 6,381,346; and applicable foreign equivalents.

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