

# MATRIKX +5

## Extruded Activated Carbon Block Filter



### A Sweeter Taste

- \* **Coconut Shell Carbon**
- \* **5  $\mu$ m Filtration**
- **High Chemical Adsorptive Capacity**
- **High VOC and TOC Reduction**
- **High Turbidity Reduction**


The MATRIKX™ +5 filter is made from Coconut Shell Carbon, which creates what many believe to be a sweeter tasting water. Because of the unique pore structure of this carbon, it is well suited for chemical adsorption, including VOCs, while reducing chlorine and chemicals that contribute to taste and odor. MATRIKX +5 filters provide 5  $\mu$ m particulate filtration and extended life as a fine sediment filter.

The service life of a MATRIKX +5 filter is greatly extended by an outer layer of 15  $\mu$ m prefiltration medium and will operate effectively in most installations without prefiltration. The MATRIKX +5 is ideal for residential and food service applications where improving the taste of the water is the primary objective.

For more detailed information, please refer to the Technical Data Bulletin for this product.

### MATRIKX +5

Particulate Reduction:  
>95% @ 5  $\mu$ m

 = Chlorine

Filter Dimensions	2.50" O.D. x 1.25" I.D. x 10" L
Chlorine Reduction >90%	6,000 gallons @ 1.0 GPM
Chloroform Reduction >95%	500 gallons @ 0.5 GPM
Lead Reduction	Not Recommended for this contaminant
Cyst Reduction	Not Recommended for this contaminant
Initial $\Delta$ P	1.0 psid @ 1.0 GPM
Carbon Weight	0.75 lbs
Construction	Precision Continuous Extrusion
Carbon Type	Steam Activated, Acid Washed
Carbon Source	Coconut Shell



"Quality to the Core"



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### Technical Specifications and Order Information

Part No.	O.D. x Length	Filter Weight <sup>1</sup>	Chlorine Capacity @ Flow <sup>2</sup>	µm Rating <sup>3</sup>	Chloroform Reduction Capacity @ Flow <sup>4</sup>	Initial ΔP @ Flow
02-250-125-975	2.50" x 9.75"	0.75 lb	>6,000 gal @ 1.0 GPM	5 µm	500 gal @ 0.50 GPM	1.0 psid @ 1.0 GPM
02-250-125-20	2.50" x 20"	1.75 lb	>15,000 gal @ 2.3 GPM	5 µm	1,250 gal @ 1.0 GPM	1.0 psid @ 2.0 GPM
02-425-200-975	4.25" x 9.75"	2.60 lb	>20,000 gal @ 3.0 GPM	5 µm	1,750 gal @ 1.5 GPM	4.5 psid @ 3.0 GPM
02-425-200-20	4.25" x 20"	5.60 lb	>42,000 gal @ 7.0 GPM	5 µm	3,500 gal @ 3.5 GPM	5.0 psid @ 7.0 GPM

### ORDER INFORMATION

Special order filters are available in varying sizes with lengths from 1" to 60".

Standard filters are finished with an outer polypropylene spun-bonded prefiltration medium. A protective polypropylene netting is applied to the exterior of the cartridge. Polypropylene end caps with compression gaskets fitting most standard housings are standard.

Inquire concerning alternative filter finishing options, including alternative end cap and housing interface styles; a wide range of non-standard extruded filter sizes; and non-standard prefiltration systems.

### EXTRUDED CARBON = EXCEPTIONAL VALUE

MATRIKX +5 filters consist of activated carbon particles fused into a uniform block with enhanced adsorptive capacity and efficiency. MATRIKX +5 filters flow in a radial, outside-to-inside direction, providing increased dirt capacity and low pressure drop. Unlike granular activated carbon (GAC) filters, MATRIKX +5 cartridges will not channel or bypass, due to the extreme uniformity of their extruded activated carbon core. Service life of the MATRIKX +5 filter is greatly extended by a layer of prefiltration media consisting of a 15 µm polypropylene spun-bonded prefiltration medium.

- No Channeling •No Fluidizing •No Bypassing
- Eliminates release of carbon fines
- Protective fines filter
- Lowest extractables, pure materials of construction
- Maximum service life and resistance to fouling
- Manufactured using FDA-approved materials



Distributed by:

### LIMITATION OF LIABILITY

Seller makes no warranty, expressed or implied, concerning this product, the merchantability or fitness thereof, except that this product should be capable of performing as described in the appropriate product data sheet. Seller's obligation under this warranty should be limited to refund of purchase price or replacement of product proved defective. Determination of suitability of product for uses and applications contemplated by buyer shall be the sole responsibility of buyer. Use of this product constitutes your acceptance of this agreement and subjects you to its contents.

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5M/IQ/96

### 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 10" L MATRIKX filter, and will therefore have seven times the rated chlorine capacities, when operating 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. Chlorine capacity is the estimated capacity in gallons during which the filter will remove >95% of influent chlorine (2 ppm) when operating at a given flow.
3. Particulate rating is for >95% of particles of a given size as determined from single-pass particle counting results.
4. Chloroform removal capacity in gallons obtains >95% removal of influent chloroform (300 ppb) at the given flow.



COMPONENT

"Tested against the material requirements of Standards 42, 53, and 58."

### 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 carbon filters only with microbiologically safe 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 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.

Call KX Industries to check filter housing compatibility.