



MATRIKX[®] + 10 /2

Extruded Activated Carbon Block Filter

The Only Choice

- **>99.5% Reduction of 10 μm Particles**
- **6,000 Gallons >98% Chlorine Reduction @ 1.0 GPM**
- **No Release of Carbon Fines**
- **Significantly Exceeds Performance of Traditional GAC and PAC Filters**
- **High Performance at Low Cost!**

MATRIKX[®] + 10 /2 is the perfect choice for point-of-use (POU) and reverse osmosis systems. Because of its extremely low cost, the MATRIKX[®] + 10 /2 is also the ideal replacement wherever GAC (granular activated carbon) or PAC (powdered activated carbon) filters are used.

The MATRIKX[®] + 10 /2 has a high dirt-holding capacity and a 10 μm rating. The 2.50" O.D. x 9.75" length filter delivers >98% average chlorine reduction @ 1.0 GPM for 6,000 gallons.** The 2.50" O.D. x 20" length filter delivers >98% average chlorine reduction @ 2.0 GPM for 12,000 gallons.**

Manufactured using KX Industries' patented, solid-state extrusion process, the MATRIKX[®] + 10 /2 surpasses the performance of GAC and PAC, but is offered at an extremely competitive price. Unlike GAC/PAC filter elements, there is no channeling, fluidizing or release of carbon fines.

For more detailed information please contact KX Industries

Performance Specifications***

MATRIKX [®] + 10 /2	
Particulate Reduction: >99.5% @ 10 μm	
Filter Dimensions	2.50" O.D. x 9.75" L
Chlorine Reduction >98%	6,000 gallons @ 1.0 GPM
Initial ΔP	2.00 psid @ 1.0 GPM
Construction	Precision Continuous Extrusion
Carbon Type	Steam Activated, Acid Washed
Carbon Source	Bituminous Coal



"Quality to the Core"



* Replaces MATRIKX[®] laboratory Results
** Additional filter performance data by:

MATRIKX[®] + 10 /2

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Technical Specifications and Order Information

Part No.	O.D. x Length	Chlorine Capacity @ Flow ¹	µm Rating ²	Initial ΔP @ Flow
10-250-190-975	2.50" x 9.75"	>6,000 gal. @ 1.0 GPM	10 µm	2.00 psid @ 1.0 GPM
10-250-190-20	2.50" x 20"	>12,000 gal. @ 2.0 GPM	10 µm	2.00 psid @ 2.0 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 industrial 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.

NOTES

1. Chlorine capacity is the capacity in gallons during which the filter will remove greater than 98% of the influent chlorine (2 ppm) when operating at a given flow.
2. Particulate rating is for >99.5% removal of particles of a given size as determined from particle counting results.

Flushing Protocol: The MATRIKX[®] + 10 /2 should be flushed for 5 minutes prior to use.

EXTRUDED CARBON = EXCEPTIONAL VALUE

MATRIKX[®] + 10 /2 filters consist of activated carbon particles fused into a uniform block with enhanced adsorptive capacity and efficiency. MATRIKX[®] + 10 /2 filters flow in a radial, outside-to-inside direction, providing increased dirt capacity and low pressure drop. Unlike granular activated carbon (GAC) filters, MATRIKX[®] + 10 /2 cartridges will not channel or bypass, due to the extreme uniformity of their extruded activated carbon core. Service life of the MATRIKX[®] + 10 /2 filter is greatly extended by a layer of 15 µm polypropylene spun-bonded prefiltration medium.

- No channeling •No fluidizing •No bypassing
- Eliminates release of carbon fines
- Lowest extractables, pure materials of construction *"Quality to the Core"*
- Maximum service life, resistance to fouling
- Manufactured using FDA-approved materials



The MATRIKX[®] + 10 /2 has been tested to meet the Chlorine reduction requirements of NSF Standard 42, Class 1.

The MATRIKX[®] + 10 /2 has been tested to meet the material requirements of NSF Standards 42.

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.

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LIMITATION OF LIABILITY

Seller makes no warranties of any kind, expressed or implied concerning this product, including warranties of merchantability or fitness for a particular purpose, except that this product should be capable of performing as described in the appropriate product data sheet. Seller's obligation for this product's performance below specifications shall be limited solely to the refund of purchase price or replacement of product proven defective, at Seller's sole discretion. Determination of suitability of 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 made by or covered by one or more of the following United States Patents 5,019,311; 5,147,722; 5,189,092; 5,249,948; 5,922,803; and 5,331,037 and applicable foreign patents

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