



Genuine
MATRIKX[®]
Extruded Carbon

**EXTRUDED
CARBON
FILTERS**



EXTRUDED CARBON FILTERS

A technological breakthrough enables KX Industries to produce **MATRIKX®** carbon filters—by extrusion. In virtually all applications, they provide superior filtration and adsorption performance compared to conventional granular activated carbon (g. a. c.) filters.

KX Industries' **MATRIKX®** extruded carbon filters are available in seven standard products, as well as custom OEM designs: **MATRIKX® + Pb1** provides exceptional lead and cyst reduction, which meets the requirements of NSF Standard 53. **MATRIKX® + 1** and **MATRIKX® + CR1** extruded carbon filters provide superior chlorine reduction and high VOC/TOC (volatile organic compounds/total organic carbon) removal capacity. The **MATRIKX® + CR1** provides the added benefit of cyst reduction, which meets the requirements of NSF Standard 53. **MATRIKX® + 5** carbon filters are manufactured with coconut shell carbon and provide excellent chemical reduction, including VOC's and THM's (trihalomethanes). **MATRIKX® + CTO™ /2** and **MATRIKX® + 10/2** carbon filters provide an economical means of delivering chlorine, taste and odor reduction. **MATRIKX® + 10/2** carbon filters are priced to compete directly with G.A.C. & P.A.C. (granular activated carbon, powdered activated carbon) while still providing the superior performance of an extruded carbon block. **CERAMIKX®** carbon filters provide chlorine, taste & odor, and cyst reduction. They have been shown to provide 99.9996% E. coli reduction and can be cleaned with "just a wipe of a sponge". Standard lengths of **MATRIKX®** filters are 10.0", 20.0", 30.0" and 40.0". Standard diameters are 2.5" and 4.25".

MATRIKX® extruded carbon filters are available finished with prefiltration wraps, end caps and gaskets. Because **MATRIKX®** filters are produced by continuous extrusion, they can be manufactured to any commercially required length. A wide range of standard and custom diameters & lengths are available to fit almost any commercial filter housing.

KX Industries' **MATRIKX®** extruded carbon filters are manufactured using FDA-approved materials. Specific models are designed to meet NSF Standards 42 and 53. Extruded carbon filter elements can be used in potable water applications, as well as for industrial, food service, and commercial applications.

Benefits of MATRIKX® Extruded Carbon Filters

Low Cost:	Cost-competitive with G.A.C. filters.
Service Life:	Complete prefiltration extends dirt-holding capacity and service life. This permits complete utilization of carbon adsorptive capacity.
Multiple Filtration Ratings:	Using a range of granular activated carbon materials, in combination with custom-designed prefiltration wraps, MATRIKX® extruded carbon filters are available in a wide range of filtration ratings.
Integrity:	No channelling, bypassing, fluidizing, or unloading of carbon fines.
Adsorptive Capacity:	Greater adsorptive capacity than typical G.A.C. filters.
Fines Release:	No carbon fines release on start-up or when in service.
Chlorine Removal:	Much greater capacity and efficiency for chlorine removal than G.A.C. filters.
VOC Removal:	Much greater VOC removal than G.A.C. filters of like carbon.
Lead Removal:	Standard 10.0" MATRIKX® + Pb1 filter provides greater than 2,500 gallons of lead reduction to < 5ppb when tested according to the NSF Standard 53 protocol.





MATRIKX[®] Extruded Carbon Filters.

In-depth, efficient filtration and adsorption of particulates and dissolved organic and inorganic impurities. Activated carbon filters are the most efficient method of removing lead, chlorine, volatile organic compounds (VOC), chlorinated hydrocarbons, and other contaminants. **MATRIKX[®]** filters do not release fines on startup or when in service.

MATRIKX[®] filters are exceptionally uniform, strong, porous, permeable and effective.

Outer Prefiltration Medium and Protective Netting.

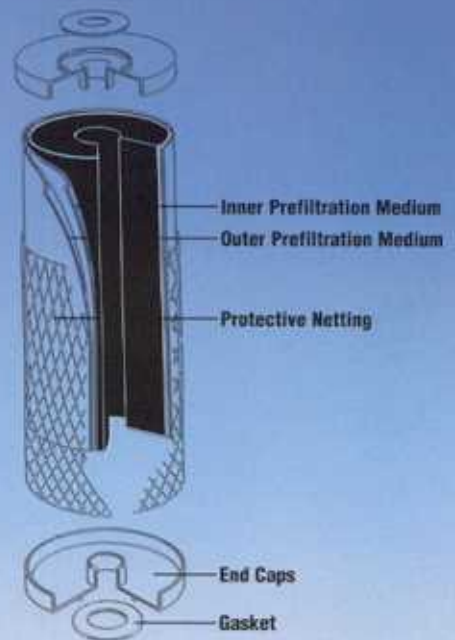
Outer prefiltration wrap is designed to intercept gels and large particles that can cause premature filter plugging. Netting and outer filter medium are abrasion and impact resistant to protect filter from damage during handling.

Inner Prefiltration Medium.

Inner prefiltration medium used in the **MATRIKX[®] + 1**, **MATRIKX[®] + Pb1**, **MATRIKX[®] + CR1** are designed to provide extended dirt life and remove silt-size particles that contribute to filter plugging. Thick prefilter medium provides a large volume for dirt retention without increasing flow resistance.

End caps.

Polypropylene end caps are securely bonded using an EVA-based hot-melt. All materials are FDA-approved. Finished filters are designed to provide optimal integrity and protection to the filter structure with a high-integrity seal.



HIGHEST PERFORMANCE • ECONOMICAL • OEM QUANTITIES

MATRIKX® Extruded Carbon Filters Standard Product Information

Product Lines:	MATRIKX® + 1: 1µm filtration rating MATRIKX® + 5: 5µm filtration rating MATRIKX® + CTO™ /2: 10µm filtration rating MATRIKX® + Pb1: 1µm filtration rating MATRIKX® + CR1: 1µm filtration rating MATRIKX® + 10/2: 10µm filtration rating CERAMIKX®: 0.5µm filtration rating
-----------------------	--

Standard Length: 10.0", 20.0", 30.0" and 40.0"

Standard Diameters: Finished filters: 2.5" and 4.25" O.D.

Custom Configurations: *Finished with end caps and prefiltration layers to fit most commercial specifications.*
Carbon filter can be configured to meet OEM customer specifications.
• Customized lengths available up to 40.0".
• Custom diameters up to 5.5" available.

Prefiltration Materials: Polypropylene or other FDA approved prefiltration material.

Carbon: 80x325 mesh through complete range of mesh sizes to 12x40.

Custom Formulations: Carbon filter medium can be formulated to meet customer specifications. Virtually any dry, powdered or granular adsorbent material can be added to the carbon, or substituted for it.

MATRIKX® extruded carbon filters are the most effective and efficient method of removing lead, chlorine, volatile organic compounds (VOC), chlorinated hydrocarbons and numerous other contaminants. **MATRIKX®** filters provide efficient filtration and adsorption of particulates, and dissolved organic and inorganic impurities. KX Industries' extruded carbon filters are exceptionally uniform, strong, porous, permeable and effective.

MATRIKX® filters can be formulated using a wide range of commercially available activated carbons, as well as blends of activated carbon with other granular or powdered materials, when removal of specific contaminants is required.



For Further Information

Consult your local distributor or:

269 South Lambert Road
Orange, CT 06477-3502, USA
Telephone: 203-799-9000
Fax: 203-799-7000
Toll Free: 1-800-462-6745

KX
KX Industries, L.P.

Distributed by: