

CERAMIKX™

All-Carbon, Sub-Micron Performance



- **99.9996% E. coli reduction**
- **NSF Standard 53 Cyst reduction including Cryptosporidium and Giardia**
- **NSF Standard 42 Class 1-Chlorine, Taste & Odor reduction**
- **Cost-efficient, combining the performance of a “ceramic candle” and activated carbon into one filter**
- **Cleans with “just the wipe of a sponge”**
- **2 models fitting most standard housings**

The “all-carbon” CERAMIKX™ filter combines the fine particulate reduction of a traditional ceramic filter with the chlorine, taste and odor reduction of activated carbon. With 99.9996% reduction of E. coli, the 0.5 μm CERAMIKX filter meets NSF Standard 53 Class 1 criteria for particulate removal and turbidity reduction, and the control of cysts, including *Cryptosporidium* and *Giardia*. CERAMIKX filters also meet NSF Standard 42 for Class 1 Chlorine @ 95% reduction of free chlorine, with the SC providing >1,000 gallons and the ST >2,000 gallons.

CERAMIKX filters are offered in two (2) fully cleanable models. A 1.85” O.D. model SC with a BST screw-in end cap and a 2.50” O.D. model ST with standard end caps designed to fit most standard 10” housings. Both of these filters can easily be cleaned with “just the wipe of a sponge.”

Consult the chart below for the CERAMIKX filter meeting your needs. For more detailed information on a specific model, please refer to the corresponding Technical Data Bulletin.

Standard Table of Performance

CERAMIKX™ Cleanable Filters

Micron Rating:
0.5 μm Absolute



= Microbiological
Reduction



= Chlorine
Reduction

Model	SC	ST
End Cap Style	BST Screw-in End Cap	Standard End Cap
Outside Dimension	1.85"	2.50"
Finished Length	9.20"	9.75"
Microbiological Reduction	99.9996% E. coli	
NSF Standard 53 Cyst & Class 1 Turbidity	Cryptosporidium and Giardia	
NSF Standard 42 Class Chlorine Reduction	1,000 gallons >95% @ 0.5 gpm	2,000 gallons >95% @ 0.75 gpm
Initial ΔP	15 psid @ 0.5 gpm	15 psid @ 0.75 gpm
Construction	Precision Continuous Extrusion	
Carbon Type & Source	Steam Activated, Acid Washed, Bituminous Coal	

Patent Pending #20.970



"Quality to the Core"



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Technical Specifications and Order Information

Model	Part No.	Specifications
SC	20-185-125-083	<ul style="list-style-type: none">• Cyst and Class I turbidity reduction meeting NSF Standard 53• 99.9996% reduction of <i>E. coli</i>• 0.5 µm Absolute• 1,000 gallons of Standard 42 Class I Chlorine, taste and odor reduction @ a rated flow of 0.5 gpm
ST	20-250-190-975	<ul style="list-style-type: none">• Cyst and Class I turbidity reduction meeting NSF Standard 53• 99.9996% reduction of <i>E. coli</i>• 0.5 µm Absolute• 2,000 gallons of Standard 42 Class I Chlorine, taste and odor reduction @ a rated flow of 0.75 gpm

ORDER INFORMATION

CERAMIKX filters are finished with polypropylene end caps designed to accommodate most standard housings.

Inquire concerning alternative filter finishing options, including alternative end cap and housing interface styles.

EXTRUDED CARBON = EXCEPTIONAL VALUE

CERAMIKX filters are manufactured using MatriKX® extruded activated carbon particles fused into a uniform block with enhanced adsorptive capacity and efficiency. CERAMIKX filters flow in a radial (outside-to-inside) direction, providing increased dirt capacity and low pressure drop. Unlike granular activated carbon (GAC) filters, CERAMIKX cartridges will not channel or bypass, due to the extreme uniformity of their extruded activated carbon core.

- No channeling • No fluidizing • No bypassing
- Eliminates release of carbon fines
- Lowest extractables, pure materials of construction
- Maximum service life and resistance to fouling
- Fully cleanable
- Manufactured using FDA-approved materials



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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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NOTES

Chlorine capacity is the estimated capacity in gallons during which the filter will remove greater than 95% of influent free chlorine (2 ppm) when operating at a given flow.

Particulate rating is for the removal of particles of a given size as determined from single pass particle counting results.

The CERAMIKX™ filter has been tested to meet the material requirements of NSF Standards 42, 53, and 58.

The CERAMIKX filter has been tested to meet the performance requirements of NSF Standard 42 for Class 1 Chlorine reduction and Standard 53 for Class 1 Turbidity and Cyst reduction.

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 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.

Call KX Industries to check filter housing compatibility.