

PLEKX® 10

Spiral-Wound Activated Carbon Water Filter



- **5 μ m Nominal Filtration**
- **High Chlorine Taste and Odor Reduction**
- **Efficient Sediment Filter with Large Dirt-Holding Capacity**
- **No Release of Carbon Fines**

PLEKX® 10 filters provide previously unattainable performance at the lowest price point. PLEKX® 10 filters simultaneously remove free chlorine and organic chemicals that contribute to taste and odor while providing the particulate filtration and dirt-holding capacity of an efficient 5 μ m sediment filter. These filters are optimized for applications where they perform the role of both a sediment and activated carbon filter.

The extrusion process allows the production of a carbon-particle laminate with more carbon than conventional PAC spiral-wound filters. This enables the PLEKX® 10 filter to deliver extended life while removing sediment, chlorine, taste, odor and organic contaminants from water, aqueous solutions or suspensions. The PLEKX® 10 is ideal for use in residential and commercial water purification systems, food service, pre- and post-RO systems.

Technical Specifications and Order Information

Part No.	O.D. x Length	Weight	Chlorine Capacity @ Flow	Nominal μ m Rating	Initial Δ P @ Flow
P10-250-109-096	2.50" x 9.75"	0.45 lbs.	9463 L @ 3.7 Lpm	5 μ m	<2.0 psid @ 3.7 Lpm



ORDER INFORMATION

Standard filters are manufactured using a polypropylene spunbonded prefiltration medium. A protective polypropylene netting is applied to the exterior of the cartridge. Elastomeric end caps that engage most standard industrial filter housings are standard.

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

EXTRUDED CARBON = EXCEPTIONAL VALUE

PLEKX® 10 filters consist of activated carbon particles fused into a uniform film and supported using light polypropylene non woven webs. PLEKX® 10 filters flow in a radial (outside-to-inside) direction, providing increased dirt-holding capacity and low pressure drop. Unlike granular activated carbon (GAC) filters, PLEKX® 10 cartridges will not channel or bypass due to the extreme uniformity of their extruded activated carbon medium. Service life of the PLEKX® 10 filter is greatly extended by depth filtration through multiple layers of polypropylene spunbonded filtration medium.

- No channeling
- No fluidizing
- No bypassing
- Eliminates release of carbon fines
- Lowest extractables, pure materials of construction
- Maximum service life and resistance to fouling
- Graded density prefiltration design
- Manufactured using FDA-compliant materials



Made in the USA.

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This product is covered by one or more of the following United States Patent Nos. 5,792,513; 5,946,342; 6,061,384; 6,077,588; 6,355,330; 6,485,813; 6,550,622; applicable foreign equivalents; and patents pending.

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NOTES

1. Chlorine capacity is the estimated capacity in gallons during which the filter will remove >95% of influent free available chlorine (2 ppm) when operated at a given flow and has been tested using the NSF Standard 42 protocol for chlorine reduction.
2. Nominal particulate rating (5 µm) is for >85% of a given size as determined from single-pass particle counting results.*
3. Absolute particulate rating (10 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

PLEKX® filters are not to be autoclaved or steam-sterilized.

Use PLEKX® carbon water 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 different 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.

PLEKX® filters are designed to fit most standard household and commercial or industrial housings and must be properly installed prior to use.

Contact KX Industries 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. Use only with microbiologically safe and adequately disinfected water.

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