

## Neo-Pure CTOX-2510

# Neo-Pure CTOX-2510 Carbon Block Filter Instruction Manual

Model: CTOX-2510 | Brand: Neo-Pure

## 1. PRODUCT OVERVIEW

The Neo-Pure CTOX-2510 Carbon Block Filter is engineered with premium coconut shell carbon to provide advanced filtration for various water systems. This filter is designed to enhance water quality and taste, making it suitable for residential, food service, and commercial drinking water applications.



Image: The Neo-Pure CTOX-2510 Carbon Block Filter, a cylindrical filter with black caps on both ends and a white mesh exterior.

### Key Applications:

- Residential drinking water systems
- Food service water filtration
- Commercial water systems

## 2. KEY FEATURES AND FILTRATION CAPABILITIES

The CTOX-2510 filter utilizes high-quality materials and design to deliver effective water purification.

### Advanced Filtration Media:



Image: Illustration showing coconut shells and activated carbon powder, indicating the filter media is made from coconut shell carbon. The filter is constructed with premium coconut shell carbon block, known for its high adsorptive capacity. This eco-friendly material efficiently removes a wide range of contaminants while improving water taste and clarity.

### Contaminant Reduction:

# NEOPURE LEAD/VOC FILTER



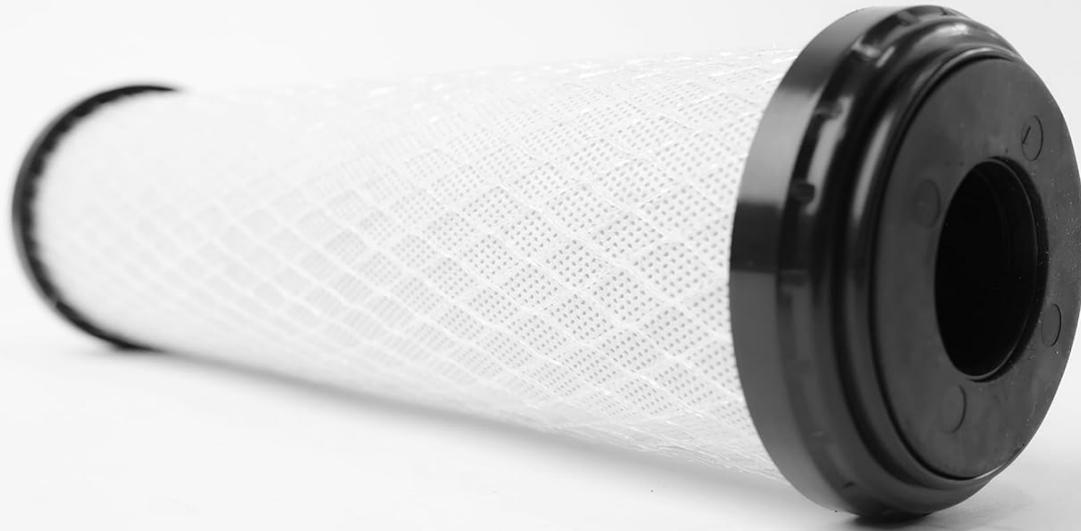
## REDUCTION CAPABILITIES

- ✓ Chloramines
- ✓ Chlorine
- ✓ Lead & Cysts
- ✓ MTBE and VOCs
- ✓ Mercury
- ✓ Asbestos

Image: The filter alongside a list of contaminants it reduces, including Chloramines, Chlorine, Lead & Cysts, MTBE and VOCs, Mercury, and Asbestos.

- **Chloramines:** Significantly reduces chloramines for improved water quality.
- **Chlorine:** Effectively removes chlorine, enhancing taste and odor.
- **Lead & Cysts:** Provides reduction of lead and cysts.
- **MTBE and VOCs:** Filters out Methyl Tertiary Butyl Ether (MTBE) and Volatile Organic Compounds (VOCs).
- **Mercury:** Reduces mercury content.
- **Asbestos:** Filters asbestos fibers.

## Design and Construction:



## TEXAPRENE GASKET FOR A LEAK-FREE SEAL



Image: A close-up of the filter's end cap, highlighting the Texaprene gasket for a leak-free seal.

- **Texaprene Gaskets:** Features compression Texaprene gaskets to ensure a tight, leak-free seal during installation and operation.
- **Poly Net Wrap:** A robust outer layer provides a first line of defense, enhancing the filter's durability.
- **Compatibility:** Designed to fit standard 2-1/2" x 10" filter housings.

### 3. TECHNICAL SPECIFICATIONS

Specification	Detail
Model Number	CTOX-2510
Material	Carbon Block (Coconut Shell Carbon)
Product Dimensions (D x W x H)	2.5" x 2.5" x 9.75"

Specification	Detail
Item Weight	1.04 Pounds
Micron Rating (Nominal)	0.5 $\mu$ m
CTO Reduction Capacity	8,000 Gallons at 1 GPM
External Testing Certification	NSF
Country of Origin	USA
Manufacturer	Neologic

### Ordering Guide (Example: CTOX-4510)

PART NUMBER	NOMINAL DIMENSIONS	CHLORAMINE, LEAD & MERCURY, VOC & MTBE	MAXIMUM FLOW	NOMINAL MICRON RATING	INITIAL PRESSURE DROP (PSI)
CTOX-2510	2-1/2" X 10"	2,500	1 GPM (3.785 LPM)	0.5	< 10 PSI @ 0.75 GPM
CTOX-2520	2-1/2" X 20"	5,000	2 GPM (7.57 LPM)	0.5	< 10 PSI @ 1.5 GPM
CTOX-4510	4-1/2" X 10"	8,000	3 GPM (11.35 LPM)	0.5	< 7 PSI @ 2.5 GPM
CTOX-4520	4-1/2" X 20"	17,000	6 GPM (22.71 LPM)	0.5	< 6.5 PSI @ 5 GPM

#### Dimensions

#### Case Packs

DIMENSIONS	QUANTITY
2-1/2" x 10"	20
2-1/2" x 20"	20
4-1/2" x 10"	12
4-1/2" x 20"	6

Image: An ordering guide table showing different CTOX series models, their dimensions, flow rates, and capacities, along with a diagram illustrating filter dimensions.

## CTOX Series Choramine Plus Carbon Block Filter Cartridges



### Residential / Commercial Filtration Applications

#### STANDARD FEATURES

- Manufactured in the USA
- Eco-friendly activated coconut shell carbon filter media to provide exceptional filtration and a high level of CTO, Lead, Chloramine, MTBE, VOC, and Cyst reduction
- Economical and competitive price while providing exceptional performance and high adsorptive capacity
- All materials and components are FDA compliant. Ideal for drinking water applications in residential, food service and commercial settings
- Filters available in standard 2-1/2" and 4-1/2" (BB-style) cartridge diameters
- Polypropylene outer netting and layers provide superior sediment and particulate reduction
- NSF/ANSI standard 42 certified for material requirements only
- Performance claims tested and verified by independent third party laboratory
- California Prop 65 Compliant

#### PRODUCT SPECIFICATIONS

Filter Media  
Coconut shell carbon block  
Micron Rating (Nominal)  
0.5 micron  
Cartridge Length  
10" and 20"  
Outside Diameters  
2-1/2" and 4-1/2" OD  
Operating Temperature  
40°F – 125°F  
Operating Pressure  
20 psig - 125 psig  
**WARNING:**  
Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

\*Based on Manufacturer's testing

#### CONTAMINANTS REDUCED

- Asbestos reduction\*
- Atrazine reduction\*
- Chlorine Taste and Odor\*
- Cyst reduction\*
- Lead reduction\*
- Lindane reduction\*
- Mercury reduction\*
- MTBE reduction\*
- Particulate I reduction\*
- VOC reduction\*



Tested and certified by NSF International against NSF/ANSI Standard 42 for material requirements only.

Image: A detailed product sheet for CTOX Series Chloramine Plus Carbon Block Filter Cartridges, outlining standard features, product specifications, and contaminants reduced.

## 4. INSTALLATION GUIDE

This filter is designed for easy installation into compatible 2.5" x 10" filter housings. For optimal performance and safety, it is recommended that installation be performed by a qualified professional if you are unsure of the process.

### General Installation Steps:

1. **Turn off Water Supply:** Locate the main water shut-off valve and turn off the water supply to the filter system.
2. **Depressurize System:** Open a nearby faucet to relieve pressure in the system.
3. **Open Filter Housing:** Use a filter wrench to unscrew and open the filter housing.
4. **Remove Old Filter:** Carefully remove the old filter cartridge and dispose of it properly.
5. **Clean Housing:** Clean the inside of the filter housing with warm, soapy water. Inspect and lubricate the O-ring if necessary.
6. **Insert New Filter:** Insert the new Neo-Pure CTOX-2510 filter cartridge into the housing, ensuring it is seated correctly.
7. **Close Housing:** Screw the filter housing back on, hand-tightening it, then use the wrench for a snug fit (do not overtighten).

8. **Restore Water Supply:** Slowly turn on the main water supply, checking for leaks.
9. **Flush Filter:** Allow water to run through the filter for several minutes (e.g., 5-10 minutes) to flush out any carbon fines and air. This is crucial before consuming the water.

**Important:** Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## 5. OPERATION

Once properly installed, the Neo-Pure CTOX-2510 filter operates continuously as water flows through your system. The coconut shell carbon block media actively adsorbs impurities, providing clean, great-tasting water. No user interaction is required during normal operation.

## 6. MAINTENANCE AND FILTER REPLACEMENT

Regular maintenance, primarily filter replacement, is essential to ensure the continued effectiveness and longevity of your water filtration system.

### Replacement Frequency:

It is recommended to replace the Neo-Pure CTOX-2510 filter cartridge every 6 to 12 months, or after filtering approximately 8,000 gallons, whichever comes first. Actual replacement frequency may vary based on water quality and usage.

### Filter Replacement Steps:

Follow the same steps as the initial installation (Section 4) to replace the old filter cartridge with a new one. Always remember to turn off the water supply and depressurize the system before opening the filter housing.

## 7. TROUBLESHOOTING

If you experience issues with your water filtration system after installing the Neo-Pure CTOX-2510 filter, consider the following common troubleshooting tips:

- **Reduced Water Flow:** This often indicates a clogged filter. If the filter has been in use for an extended period or if your water has high sediment, it may be time for replacement. Ensure proper flushing after installation.
- **Unusual Taste or Odor:** If taste or odor issues persist after initial flushing, ensure the filter is correctly seated and the housing is sealed. If the filter is old, it may have reached its capacity and requires replacement.
- **Leaks from Housing:** Check that the filter housing is securely tightened and that the O-ring is properly seated and not damaged. A small amount of food-grade silicone grease can help maintain the O-ring's seal.
- **Cloudy Water After Replacement:** This is usually due to carbon fines being flushed out. Continue flushing the filter for a longer period until the water runs clear.

If problems persist, consult a qualified plumbing professional.

## 8. WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the documentation included with your purchase or visit the official Neo-Pure website. For technical support or further assistance, please contact the manufacturer or your authorized Neo-Pure dealer.

**Manufacturer:** Neologic

**Brand Store:** [Visit the Neo-Pure Store on Amazon](#)

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