



LANCASTER WATER TREATMENT

PIONEER™

PIONEER REMOVES LEAD, WHICH IS A COLORLESS, ODORLESS & TASTELESS METAL. IN ADDITION TO LEAD, THE PATENTED PIONEER FILTRATION SYSTEM REMOVES >99.95% OF GIARDIA & CRYPTO, AS WELL AS CHLORINE & CHLORAMINE. YOUR CUSTOMERS' SAFETY IS OUR NUMBER ONE PRIORITY.

FEATURES

- NSF/ANSI 53 Certified - Lead and Cyst reduction
- Reduces Chlorine, Chloramines, Color, Taste, and Odor
- Color coded LED replacement notification
- No tools required for filter replacement

WHOLE-HOUSE LEAD & CYST REMOVAL SYSTEM

How Lead Gets into Drinking Water – Lead can enter drinking water when service lines that contain lead corrode, especially where the water has high acidity or low mineral content that corrodes pipes and fixtures, most often from the pipes that carry water from the water treatment plant to water mains under the street supplying homes. Lead release is heavily influenced by the chemistry of the water delivered by the water system and by physical disturbances such as road construction or water main replacements.

The Solution – Soluble lead is invisible, odorless, tasteless, and needs to be chemically removed from water. Particulate lead is like a tiny grain of sand that needs to be physically removed from water. PIONEER POE filtration system houses a strategically designed nominal 0.5-micron filter to remove BOTH (soluble and particulate) forms of lead contamination from the whole house in a single filter. The PIONEER Binder is designed to chemically react with soluble lead to create an ionic bond, kinetically removing lead from the water and producing clean water.

*The PIONEER™ POE filter has been tested for use at standard and peak flow rates for BOTH forms of lead. The Water Quality Platinum Seal and UPC shield demonstrate the certification by IAPMO R&T.

PFOA/PFOS REMOVAL

The chemicals Perfluorooctanoic acid (PFOA), also known as C8, and Perfluorooctane sulfonic acid (PFOS) are bio-permanent, are resistant to direct oxidation, and do not break down naturally in the environment or the human body. Studies suggest that exposure to the chemicals may lead to cancer.

The PIONEER™ successfully removes these chemicals and is installed where the water line enters your home, business or restaurant. This system has been tested and third-party certified as required in the NSF/ANSI P473 standard for PFOA/PFOS, along with NSF/ANSI 53 standard for the reduction of lead and cyst.

REPLACEMENT NOTIFICATION

The Real-time Dynamic LED System monitors water and flow rate and provides a visual color-coded notification to the homeowner, letting them know when to replace their filter.



GREEN = GOOD



YELLOW = CHANGE SOON



RED = CHANGE NOW

PIONEER™

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LEAD, CYST & CHLORINE REMOVAL

Model No.	Dimens.	Micron Rating	Rating Cap. & Flow Rate	Peak Flow & % Reduction of Lead	Chlorine/Chloramine Taste and Odor Reduction Capacity (*)	Press. Drop Spec
System Whole-House Lead, Cyst & Chlorine Removal System						
7-CTFS-NSF	8" x 40"	0.5	Lead Reduction and PFOA/PFOS 100,000 gallons @ 4.5l GPM (378,54l Liters @ 17.1 lpm) @ 99.62% lead reduction @ 97.9% PFOA/PFOS reduction	8 GPM (30.2lpm) @ 99.62% reduction (*) >88,000 gallons at 8 GPM (333,116 Liters @ 30.2lpm)	>300,000 gallons @ 15 GPM (1,135,533 Liters @ 56.8 lpm) with greater than 90% reduction, estimated capacity using 2ppm of free chlorine. >150,000 gallons @ 8 GPM (567,812 Liters @ 30.3 lpm) with greater than 85% reduction, estimated using 3ppm of chloramine.	15 psid @ 4.5l GPM
Replacement Carbon Block Cartridge						
CT-NSF-CB	0.5 Micron High Capacity Carbon Block with Certified Lead & Cyst Reduction					

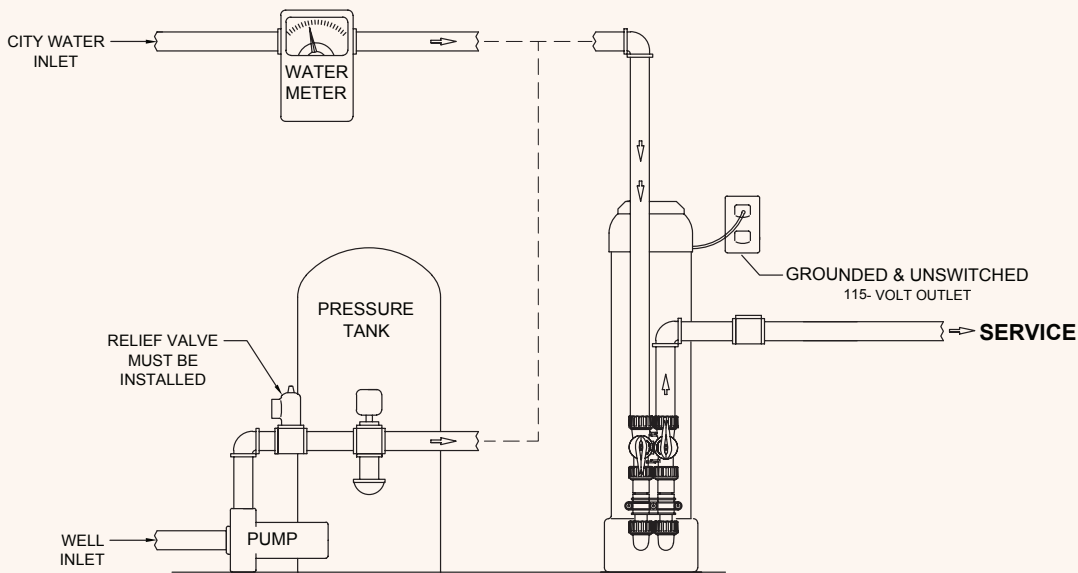
*CLAIMS ARE NOT PERFORMANCE TESTED OR CERTIFIED BY IAPMO OR NSF. PERFORMANCE CLAIMS ARE BASED ON INDEPENDENT LABORATORY AND MANUFACTURER'S INTERNAL TEST DATA. ACTUAL PERFORMANCE IS DEPENDENT ON INFLUENT WATER QUALITY, FLOW RATES, SYSTEM DESIGN AND APPLICATION. RESULTS MAY VARY.

Substance	Influent Challenge Concentration (MG/L)	Maximum Permissible Product Water Concentration (MG/L)
Lead	0.15 +/- 10%	0.01
Cyst	minimum 50,000/L	99.95%

REQUIREMENTS

- Minimum Operating Temperature: 34 F / 1 C
- Maximum Operating Temperature: 120 F / 50 C
- Minimum Operating Pressure: 20 psig / 1.38 bar
- Maximum Operating Pressure: 125 psig / 8.6 bar
- Electrical Requirements: Grounded & Unswitched 115 V outlet and 3-AAA Batteries

WHERE TO INSTALL



This ENPRESS system is certified by IAPMO R&T against NSF/ANSI Standard 53 and P473. (also CSA B483.1) for the reduction of claims specified on the performance data sheet.

This ENPRESS pressure vessel is tested and certified by NSF International against NSF/ANSI Standard 44 and 61 for materials and structural integrity requirements

COMPONENT