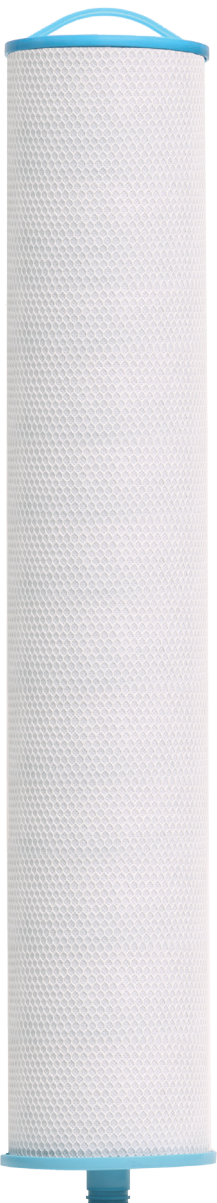


PIONEER™ SPECIFICATIONS

PIONEER NAME AND PART NUMBER	SIZE	MICRON RATING	RATED CAPACITY & FLOW RATE	PEAK FLOW & % REDUCTION OF LEAD	CHLORINE/CHLORAMINE TASTE AND ODOR REDUCTION CAPACITY(*)	PRESSURE DROP SPEC
PIONEER™ System 7-CTFS-NSF	8" x 40"	0.5	Lead Reduction 100,000 gallons @ 4.51 GPM @ 99.62% reduction (378,541 Liters @ 17.1 lpm)	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 @ 4.51 GPM

REPLACEMENT CARTRIDGE FILTERS ARE LISTED AS PIONEER™ 0.5 Micron High Capacity Carbon Block // PART NUMBER: CT-NSF-CB

*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. Model Number of the system in which the filter component is to be used with 7-CTFS-NSF



IMPORTANT

DO NOT USE extra lubricants, unapproved sealants and tools to tighten hand tightened only parts. Use of tools other than hand tighten only parts voids warranty. Testing was performed under standard laboratory conditions; actual performance may vary. Flush the system and change the filter as suggested. The contaminants or other substances removed or reduced by this water filter are not necessarily in all users' water.

PERFORMANCE

Performance claims are based on independent lab results and manufacturer's internal test data*. Actual performance is dependent on influent water quality, flow rates, system design and applications. Your results may vary. Performance claims are based on a complete system, including a filter, housing, and connection to a pressurized water source. This filter must be operated according to the system's specifications in order to deliver the claimed performance. It is essential to follow operational, maintenance, and filter replacement requirements, as directed for each application, for this filter and system to perform correctly. Read the Manufacturer's Performance Data Sheet accompanying the system and change the filter as suggested. The contaminants or other substances removed or reduced by this water filter are not necessarily in all users' water.

This system has been tested according to NSF/ANSI 53 for reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 53. Minimum substance reductions per NSF/ANSI 53 are as follows:

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%

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
Filter Replacement Operating Instructions: New cartridges must be flushed for a minimum of 10 minutes prior to use. System and installation to comply with state and local laws and regulations.
Do not use with water that is microbiologically unsafe or unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected waters that may contain filterable cysts.
 Manufactured from NSF/ANSI standard 61 and California Prop 65 Compliant certified coconut shell carbon and raw materials.

MANUFACTURED BY



CERTIFICATIONS



This ENPRESS system is certified by IAPMO R&T against NSF/ANSI Standard 53 for lead, cyst and material safety requirements and CSA B483.1.

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

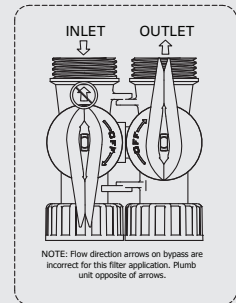
COMPONENT

In the event that you need assistance for servicing your water filter, please first contact the professional contractor who installed the system.

REPLACING THE CARTRIDGE

1. Turn off the water supply to the system by shutting off the inlet and outlet valves on the bypass.
2. (Optional) Install a 3/8" PEX tubing hose to the provided John Guest® fitting and shut-off that connects to the inlet side of the filtration system. Run the hose to a floor drain or bucket, and use to drain sediment or to aid in filter removal during change-out.
3. Remove Umbrella Cap on the top of the vessel. Replace the 3-AAA batteries with new batteries. Push and hold the reset button on the metered board for 3 seconds to reset the totalizer. When the totalizer is reset the LED lights will flash green 3 times to confirm that it is reset.
4. Depressurize the system by pushing down on the red depressurization button on the top cap of the system. Keep the button pushed down until all the air or water pressure is completely released.
5. Push down the top cap with both hands to unseat the retaining ring.
6. Remove the retaining ring by carefully grasping the handle and pulling inward, then upward. The retaining ring should slide completely out of the groove.
7. Remove the top cap of the system by lifting up on the top handles, remove old filter.
8. Open the John Guest® fitting and shut-off, and flush out the bottom of the system.
9. Look down into the tank assembly, and you should see a small opening centered in the bottom of the tank.
10. Remove packaging from the new filter, place the new cartridge into the tank with the double o'ring facing down.
11. Position the cartridge so that it is aligned with the bottom, center opening.
12. Press down on the cartridge so that the double o'ring seal moves into place within the bottom, center opening.
13. Reposition the Top Cap into its original location.
14. Reattach the top tank Snap Ring, pull up on the Top Cap to seat o-rings.
15. (If completed Step 2, then...) Close the John Guest® fitting and shut-off.
16. Turn the water supply on, opening the inlet and outlet valves on the bypass.
17. Relieve the system of air in the tank as the system fills with water, by pushing down on the red depressurization button on the top cap of the system. Keep the button pushed down until all the air pressure is completely released, and water comes out of the red depressurization button.
18. Release the red depressurization button.
19. Replace the Umbrella cap to the top of the system.
20. Check for leaks.
21. Flush the new cartridge per its installation instructions in the installation manual.
22. During flush, confirm green LED lights are flashing with flowing water.

#3 UMBRELLA CAP & LED LIGHTS



EASY TO UNDERSTAND LED REPLACEMENT NOTIFICATIONS

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.



EASY FILTER REPLACEMENTS AND NO TOOLS REQUIRED

PIONEER uses state-of-the-art snap-ring technology to eliminate the need for cumbersome tools. Homeowners can easily replace the filter in their PIONEER system by following a few simple steps.

PRESS THE RED PRESSURE RELIEF VALVE & PULL SNAP-RING



LIFT TOP CAP



*Meter preset at 100,000 gallons; see Installation Manual for resetting when the cartridge is replaced.

*Three AAA batteries not included, for battery back-up. Change annually with filter change-out.

*Refer to Installation Manual from proper installation and product service guidelines.