PIONEER™ As FILTER CARTRIDGE
CT-5020-F11 - Replacement Filter Cartridge for FC-40A

PIONEER® As Specifications

Cartridge Part Number	Size and Micron Rating	Rated Capacity and Flow Rate	Pressure Drop Spec
CT-5020-F11	8” x 40”	Arsenic Reduction 125,000 Gallons @ 7 GPM 473,177 Liters @ 26 lpm	10 psid @ 7 GPM (26.5 lpm)

PIONEER® As—Arsenic III and V Removal Cartridge

^Claims are not performance tested 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.

IMPORTANT

If this or any other system is installed in a metal (conductive) plumbing system, i.e., copper or galvanized metal, the plastic components of the system will interrupt the continuity of the plumbing system. As a result, any errant electricity from improperly grounded appliances downstream or potential galvanic activity in the plumbing system can no longer ground through contiguous metal plumbing. Some homes may have been built in accordance with building codes, which actually encouraged the grounding of electrical appliances through the plumbing system. Consequently, the installation of a bypass consisting of the same material as the existing plumbing or a grounded “jumper wire” bridging the equipment and reestablishing the contiguous conductive nature of the plumbing system must be installed prior to your system’s use.

DO NOT USE extra lubricants, unapproved sealants and tools to tighten hand-tighten 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

This system conforms to NSF/ANSI 53 for the specific performance claims verified and substantiated by test data. 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 for the treatment of water containing pentavalent arsenic (also known as As(V), As(+5), or arsenate) and trivalent arsenic (also known as As(III), As(+3), or arsenite) at concentrations of 0.050 mg/L or less. This system reduces both forms of arsenic below EPA MCL. Please see the Arsenic Facts section of the Performance Data Sheet for further information.

Substance	Influent Challenge Concentration (MG/L)	Maximum Permissible Product Water Concentration (MG/L)	NSF/ ANSI Standard
Arsenic (pentavalent)	0.15 +/- 10%	0.01	53
Arsenic (trivalent)	0.15 +/- 10%	0.01	53

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 and unswitched 115 V outlet and 3-AAA Batteries
Max 100 PSI

Filter Replacement Operating Instructions: **New cartridges must be flushed for a minimum of 60 min at 7 gpm prior to use.** System and installation to comply with federal, 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. Manufactured from NSF/ANSI standard 61 and California Prop 65 Compliant raw materials.

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.

WARRANTY

LIMITED LIABILITY: CHANDLER SYSTEMS INC. makes no warranties of any kind, expressed or implied, statutory or otherwise, and expressly disclaims all warranties of every kind, concerning the product, including, without limitation, warranties of merchantability and fitness for a particular purpose, except that this product should be capable of performing as described in this product’s data sheet. CHANDLER SYSTEMS INC.’s obligation shall be limited solely to the refund of the purchase price or replacement of the product proven defective, in CHANDLER SYSTEMS INC.’s sole discretion. Determination of suitability of this 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.

CERTIFICATIONS

When used in the FC-40A system, the CT-5020-F11 Filter is Certified by IAPMO R&T to CSA B483.1 and NSF/ANSI 53 for the reduction of Pentavalent and Trivalent Arsenic, and to NSF/ANS/372 Low Lead Content.

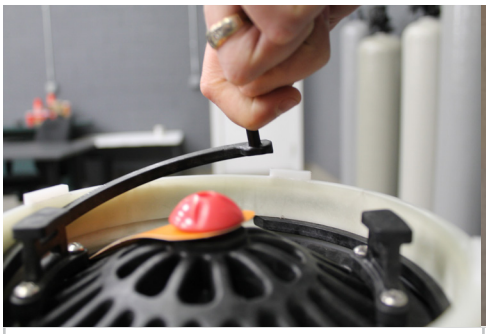
MANUFACTURED BY

PIONEER™ DROP

CHANDLER SYSTEMS
710 Orange Street
Ashland, OH 44805

NOTES: Micron ratings based on 85% or greater removal of a given particle size. Flush new cartridges until water runs clear prior to use for at least 60 minutes. Cartridge life is based on gallon usage and water profile. It will vary by individual site based on water quality and usage. Information is believed to be reliable and is offered in good faith with no warranties or implied warranty or fitness for a particular use. Customer is responsible for ensuring compliance with applicable laws and regulations and determining whether use conditions and information in this document are appropriate for specific applications. System installation and cartridge disposal to comply with federal, state, and local laws and regulations.

INSTALLATION INSTRUCTIONS



Remove top cap first.

Ensure o-rings are properly lubricated before installation. Insert filter into the filter adapter of the bottom drain assembly.

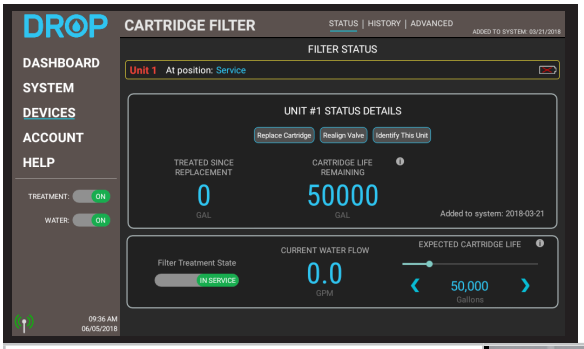
A filter this high is not installed properly.

A properly installed filter should sit below the seal area.

Ensure the top Pressure Release Cap Lid is installed to fully expose the retaining groove.

Install the angled lead tip of the retaining ring into the groove.

CARTRIDGE REPLACEMENT

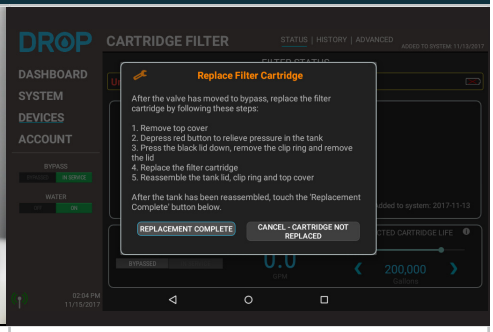


Using the DROP app on your smart phone or tablet, connect to your DROP system. On the navigation menu on the left choose "Devices", and then choose your Cartridge Filter from that list. Assuming you have one filter, you will see a "Replace Cartridge" button on the screen. Press that button and the lights on the cartridge filter should turn yellow. Wait until the lights stop spinning before going to the next step (Should take approximately 30 seconds and you should hear the motors turning).

Note: After filter installation or replacement the water will look "milky" or "cloudy". This is due to micro bubbles from the filter being released into the water. They are just tiny air bubbles and are harmless. The bubbles will go away after the first few hours after installation.

Remove top cover and relieve pressure in tank by pressing red button.

Remove snap ring and tank top from tank.



After filter cartridge is installed, double check that the top snap ring is installed properly and then press the "Replacement Complete" button in the app. The motorized bypass will begin to open and your cartridge filter will begin to fill with water. As it is filling gently press the red button on the top of the tank to bleed off air in the tank as it is filling. Once water begins coming out of the pressure relief button, you can release it.

Open the nearest faucet and run water for several minutes. Check for leaks.

60 minute flush required after cartridge replacement before first use.