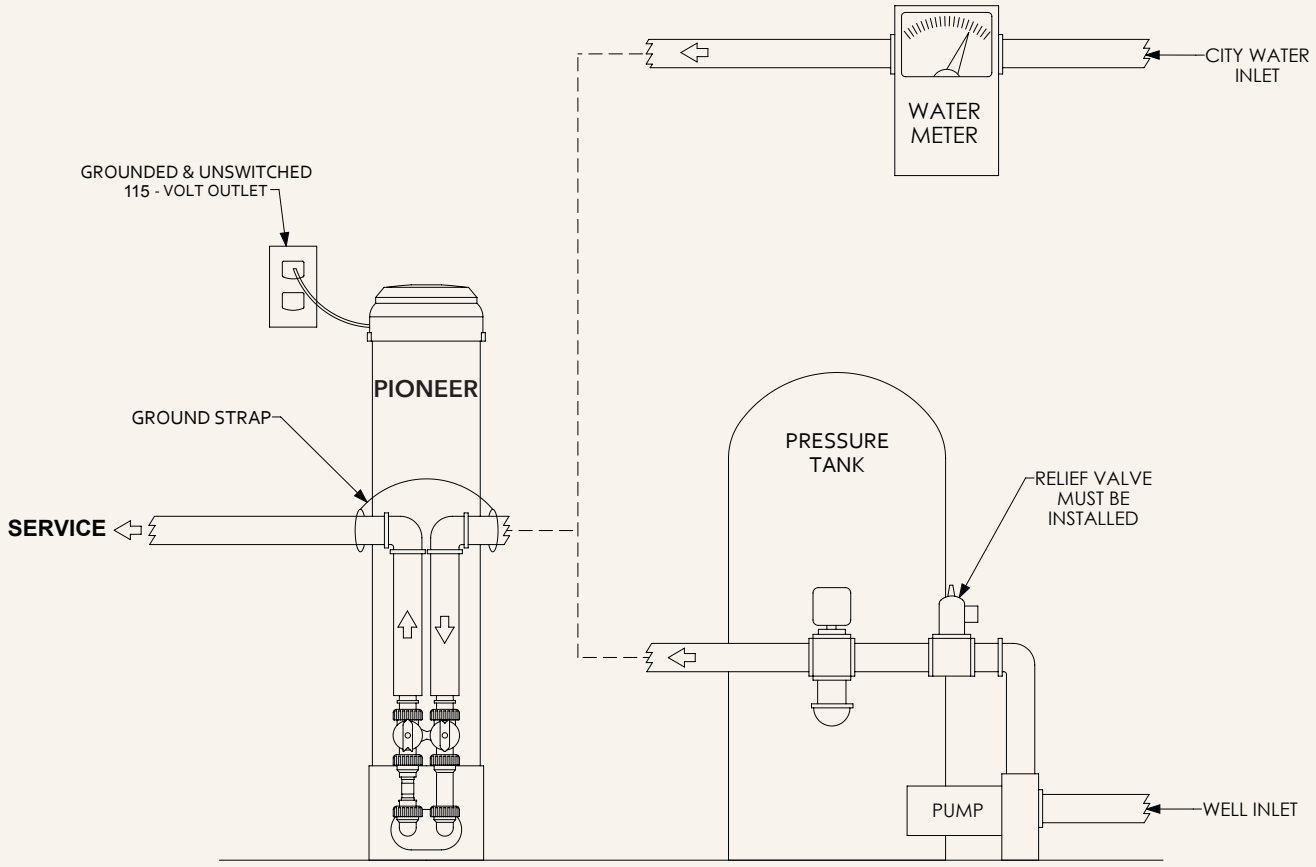
LANCASTER
WATER TREATMENT

PIONEER™ PFAS - CARTRIDGE TANK PFAS REDUCTION



PIONEER ™ DIMENSIONS	CARTRIDGE TANK FOR PFAS REDUCTION
Model Number	7-CTFS-PFAS
Tank Height	39.75
Tank Diameter	8.00
Inlet/Outlet MNPT	1

*General notes for estimating only. All dimensions are in inches.

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PIONEER™ PFAS SPECIFICATIONS [1]	CARTRIDGE TANK FOR PFAS REDUCTION	
Model Number	7-CTFS-PFAS	
Bypass, Meter & Drain Connection Included	Yes	
Replacement Cartridge [2]	CT-PFAS-CB	
Micron Rating	20	
PFAS Reduction [3]	99.9%	350,000+ gallons @ 7 GPM (Rated) using a Challenge of 100 ppt 168,000+ gallons @ 7 GPM (Rated) using a Challenge of 3100 ppt
Water Pressure Range (PSI)	20 - 125	
Pressure Drop @ Rated Flow Rate	9 psid @ 7 GPM	
Peak Flow Rate	10 GPM	
Water Operating Temperature Range (°F)	34 - 120	
Electrical Requirements:	Grounded and Unswitched 115V outlet and 3-AAA Batteries	

[1] The ENPRESS E3-M System is certified by IAPMO R&T to NSF/ANSI 53 for Material Safety, and Structural Integrity. The ATOMUS® PF8 media inside this system is Certified by NSF International to NSF/ANSI 61 for Material Safety and NSF/ANSI 372 for Low Lead Content.

[2] Filter Replacement Operating Instructions: New cartridges must be flushed for a minimum of 10 minutes 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.

[3] Claims are not performance tested by WQA, IAPMO or NSF. Performance claims are based on independent laboratory and manufacturer's internal test data. Internal testing to NSF/ANSI Standard 53 for PFAS reduction of 8 PFAS chemiclas (PFHpA, PFOA, PFNA, PFDA, PFBS, PFHxS, PFOS, GenX) was challenged at a flow rate of 7 GPM. Test results to NSF/ANSI Standard 53 provided for PFAS removal to non-detect levels (< 1 ng/L) and below the Final PFAS National Primary Drinking Water Regulation levels announced by the US EPA on April 10, 2024. Actual performance is dependent on influent water quality, flow rates, system design and application. Results may vary.

Notes:

Water Conditions outside of the specified limits may lead to a shortened filtration life.
Cartridges may contain a very small amount of fines. After installation, flush the cartridges for at least 10 minutes prior to use.
Adsorption is not affected by the co-presence of inorganic ions or the other water characteristics like pH and TOC. Suspended solids should be removed in pre-filtration.
Periodic testing of the treated water for PFAS is necessary to determine when the filter has reached its usable capacity for PFAS reduction.
Non-detect means <1 ng/L (1 ng/L = 1 ppt).
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.

Water Chemistry Influent Limitations:

Free Chlorine: Up to 2 ppm
H2S: No limit
Ferrous Iron: Up to 0.5 ppm
pH Range: 6-9
Silica: < 35 mg/L
Hardness: Up to 500 mg/L (29 gpg)
A ratio of 1:3 silica vs. total hardness will maintain silica in solution and optimize performance
Temperature: 41-140 °F
Manganese: Up to 0.05 ppm
Copper: No limit
Total Suspended Solids: < 5 mg/L
Pre-filtration: 5 Micron
Oil & Polyphosphates: Remove Prior
Turbidity: 5 NTU