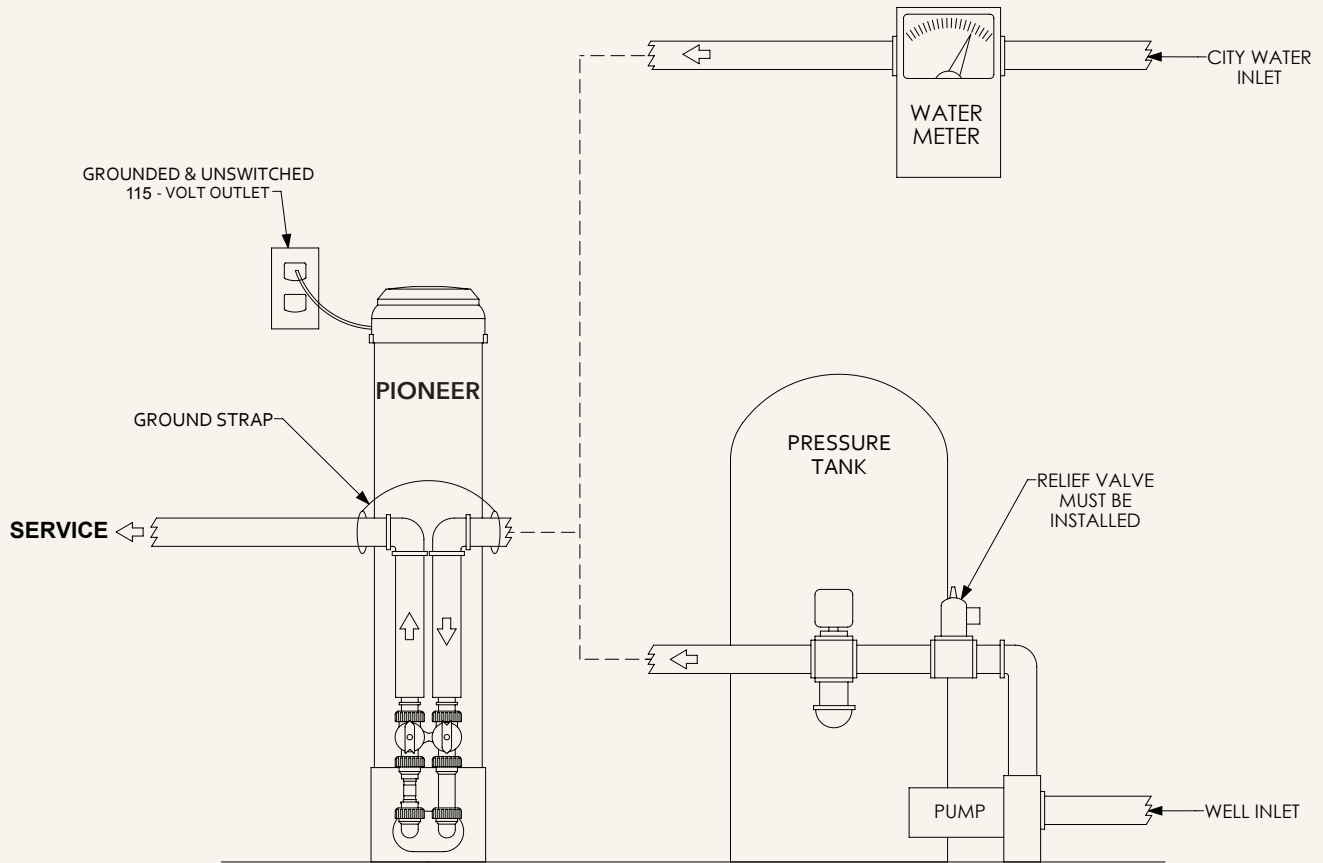




# LANCASTER WATER TREATMENT

PIONEER™ NSF - CARTRIDGE TANK LEAD REDUCTION

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

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

# PIONEER™ NSF - CARTRIDGE TANK LEAD REDUCTION

PIONEER™ NSF SPECIFICATIONS <sup>1</sup>		CARTRIDGE TANK FOR LEAD REDUCTION
Model Number		7-CTFS-NSF
Bypass, Meter & Drain Connection Included		Yes
Replacement Cartridge <sup>2</sup>		CT-NSF-CB
Micron Rating		0.5
Lead Reduction <sup>3</sup>	99.62%	100,000 gallons @ 4.5l GPM (Rated) and >88,000 gallons @ 8 GPM (peak)
Cyst Reduction <sup>4</sup>	99.95%	100,000 gallons @ 4.5l GPM (Rated)
Chlorine/Chloramine, Taste & Odor Reduction	>90%	300,000 gallons @ 15 GPM, estimated capacity using 2 ppm free chlorine
	>85%	150,000 gallons @ 8 GPM, estimated capacity using 3 ppm free chlorine
Water Pressure Range (PSI)		20 - 125
Pressure Drop @ Rated Flow Rate		9 psid @ 4.5l GPM
Water Operating Temperature Range (°F)		34 - 120
Electrical Requirements:		Grounded and Unswitched 115V outlet and 3-AAA Batteries

<sup>1</sup>The ENPRESS E3-M System is certified by IAPMO R&T to NSF/ANSI 53 for Material Safety, Structural Integrity, and for the reduction of claims specified as (Rated) above.

<sup>2</sup>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 water that may contain filterable cysts. Manufactured from NSF/ANSI standard 61 and California Prop 65 Compliant certified coconut shell carbon and raw materials.

<sup>3</sup>Using an influent challenge of water entering the system with lead concentration of 0.15 mg/L (+/-10%). The product water lead concentration leaving the system was reduced to less than equal to the permissible limit of 0.005 mg/L as specified in NSF/ANSI 53.

<sup>4</sup>Using an influent challenge of water entering the system with at least 50,000 cysts per liter. The product water leaving the system having at least 99.95% reduction of cysts as specified in NSF/ANSI 53.

Notes:

Water Conditions outside of the specified limits may lead to a shortened filtration life. Potential void of warranty if "optimum working conditions" and use of proper pre-filtration are not adhered to.

A ratio of 1:3 silica vs. total hardness will maintain silica in solution and optimize performance.

Adsorption is not affected by the co-presence of inorganic ions or the other water characteristics like pH Micron rating based on 85% or greater removal of a given particle size.

Flush new cartridges until water runs clear prior to use.

**Water Chemistry Influent Limitations:**

Pre-filtration requirement: 5 micron or less

Optimum pH range: 6.5-7.5

Iron: < 0.3 mg/L

Manganese: < 0.05 mg/L

Turbidity: 5 NTU

Total suspended solids: < 5 mg/L

Silica: < 35 mg/L