

The OptiPure QTCI-1 water treatment system is Tested and Certified by NSF International.

**Functional Data**

The contaminant reduction capabilities of the system’s combined water treatment technologies offer a wide range of benefits that include:

- Takes out disinfectant chlorine and the taste and odor associated with chlorine
- Takes out offensive tastes and odors
- Removes health threatening Cysts such as Cryptosporidium and Giardia.
- Reduces Turbidity.
- Inhibits corrosion and the formation of scale (lime-scale/calcium carbonate).\*

**NSF/ANSI Performance Specifications**

Rated Capacity/Service Life: 27,000 gallons (102,195 liters)  
Service Flow Rate: 2.25 gpm (8.5 lpm)

**NSF/ANSI Certified Performance**

This system has been tested according to NSF/ANSI 42 and 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 42 and 53.


Reduction Analysis	Average Challenge	Average Effluent	Reduction Requirement	Percent Reduction
<b>AESTHETIC EFFECTS</b>				
Chlorine	2.0 mg/L	0.06 mg/L	50%	97%
Taste & Odor	–	–	–	–
<b>HEALTH EFFECTS</b>				
Live Cyst	120000 oocysts/L	<1 oocyst/L	99.5%	>99.99%
Turbidity	10.7 NTU	0.25 NTU	0.5 NTU	97.6%

NOTE: Testing was performed under standard laboratory conditions, actual performance may vary. It is recommended that you have your water supply tested to determine your actual water treatment requirements.

System Tested and Certified by NSF International against NSF/ANSI Standard 42 and 53 for the reduction of:

**Standard 42: AESTHETIC EFFECTS**  
Chlorine Reduction:  
Taste and Odor Reduction

**Standard 53: HEALTH EFFECTS**  
Cyst Reduction  
Turbidity Reduction



*NSF's Certification Program is accredited by the American National Standards Institute (ANSI) and Standards Council of Canada (SCC) for the reduction of claims specified in this Performance Data Sheet.*

Replacement Cartridge(s):	Quantity	Cartridge	Item #
	1	XTOS-Q	300-05835

\* Tested and verified by independent laboratory testing.

# OptiPure Model QTCI-1

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## General Installation Requirements

- System Dimensions: XX” H x XX” W x XX” D (add a minimum 3” to height to allow for filter sump removal and cartridge replacement). Shipping weight is XX lbs.
- System includes inlet shut-off valve / inlet & outlet are 3/8” NPTF (female).
- System feed must be cold water only.
- Flush the system for 2 minutes to allow air and any carbon fines to escape. **NO ACTIVATION PROCESS OR EXTENDED FLUSHING IS REQUIRED FOR OPTIPURE SYSTEMS TO PERFORM AS CERTIFIED.**
- Check operating requirements of equipment serviced before shutting off water supply.
- System operating range: Pressure: 10-125 psi (0.7-8.6 bar) Temperature: 10-100°F (2 – 38°C)
- This product is for commercial use only and must be installed and maintained according to manufacturers guidelines.
- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

## General Operation & Maintenance Requirements

- System will deliver measurable performance for up to six months between filter changes when installed according to application guidelines. Change filters every six months, when capacity is reached or when effluent flow becomes inadequate.
- Replacement filter performance is assured without activation or extended flushing.
- Check operating requirements of equipment serviced before shutting off water supply.
- Installation and operation & maintenance manuals are provided with the system and include parts and service availability.

## Warranty Information

OptiPure systems carry a three year limited warranty for defects in materials and workmanship when installed and maintained in accordance with manufacturers recommended procedures and guidelines. For complete warranty information refer to the warranty statement included with each system or contact FilterXpress.

**NOTE:** The QTCI-1 utilizes IsoNet™ (patent pending) to provide protection against corrosion and the formation & build-up of calcium (lime-scale) on equipment surfaces.