



## **System Application Guide & Product Catalog**

**Water Treatment Solutions . . .  
. . . That Make a World of Difference**



# **The OptiPure Advantage . . .**

## **Exceptional Performance - Superior Support**

OptiPure is a leading provider of water treatment solutions for the foodservice industry. Since 1975 we have built our business on a philosophy of listening to our customers and providing products that deliver measurable results. We couple this philosophy with an innovative approach in product design, no compromise when it comes to performance and a total commitment to excellent customer service.

**Excellent Products** - All OptiPure systems are constructed at the factory in Plano, Texas using premium quality U.S. made components and filter media. Systems are quality inspected and pressure-tested to ensure problem-free, out-of-the-box performance.

**Exception Performance** - There are two important measures of performance with water treatment products. Do they deliver the benefits and impact your business as promised? And, are they proven to perform as long as they claim? OptiPure guarantees results on both counts.

**Great Value** - To measure value, add up the cost savings and operational improvements realized and subtract the total cost for water treatment. Over time, the cost for routine filter replacement has a significant impact on value. When you do the math you will come out way ahead with OptiPure.



Many of the OptiPure Filtration Systems are Tested and Certified by NSF International, the world recognized leader in standards development and product certification for public health and safety. Look for the NSF Mark on Certified OptiPure systems. For specific contaminant reduction and performance information visit [www.nsf.org](http://www.nsf.org) or you can download the 'System Performance Data Sheet' at [www.optipurewater.com](http://www.optipurewater.com)

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#### **OptiPure Limited Warranty**

All OptiPure system components and assemblies are warranted against defects in material and workmanship, when installed and operated in accordance with manufacturer's recommended procedures and guidelines, for a period of 36 months from date of installation or 39 months from the date of original shipment, whichever comes first. Replacement filter cartridges and separation membranes are warranted for defects in material and workmanship only for a period of one year. Contact OptiPure customer service or go to [www.optipurewater.com](http://www.optipurewater.com) for a detailed copy of the warranty statement.

*OptiPure®, FilterXpress®, ScaleX®, ScaleX2®, FilterTrak®, IsoNet® OptiClean™, PolyTrix™ are registered Trademarks of Procam Controls, Inc. and all rights are reserved. IsoNet® is U.S. Patented under 7,052,604. NSF is a registered Trademark of NSF International.*

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*Detailed application guides, product specification sheets, installation manuals and other support materials are available at [www.optipurewater.com](http://www.optipurewater.com)*

## OptiPure Support Tools & Services

*To do a job right you have got to have the right tools. We have them - Whether you need filtration for a single location or for a national chain, OptiPure will help you ask the right questions about your equipment and your water transforming the answers into the best possible solution for your needs.*

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**Survey Tools** . . . *Be clear about what you need before deciding the best course for improvement.*

- ❖ **Equipment Surveys** - Detail water-using equipment and operating parameters.
  - ❖ **History** - Of past water-related problems and desired improvements.
  - ❖ **On-Site Water Analysis** - Identifies the basic characteristics of the water.
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**Application Analysis & Treatment Recommendation** . . . *Optipure application specialists and dealers provide personalized analysis and recommendations for your requirements.*

- ❖ **OptiPure Systems Recommendations** - System application logic and recommendations.
- ❖ **Usage Analysis** - Details water usage, system capacity and filter change requirements.
- ❖ **Installation Diagram** - System configuration and plumbing recommendations.

Ask your dealer or email [info@optipure.net](mailto:info@optipure.net) for more information about OptiPure® Support Tools and FilterTrak®.

## OptiPure® System Selection Guide

It is important to select the right water treatment system so that you get the benefits you expect. This guide will help you understand the primary considerations when selecting the best filtration for your needs.

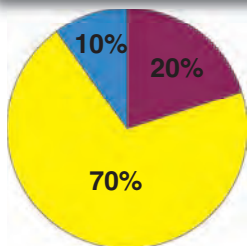
### Step 1. Three categories of contaminants cause the majority of the problems in foodservice applications.

■ **Sediment** - Dirt and other suspended particulate matter.

■ **Taste & Odor** - Caused by chlorine and other chemicals.

■ **Minerals** - That are dissolved in water.

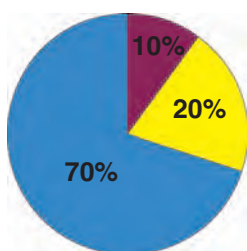
*Water-related Problems and treatment priorities can differ depending on the application.*



#### Equipment

The #1 water-related equipment problem is **scale** caused by dissolved hardness minerals. It is important that the system you choose includes the right technology to protect your equipment against water 'hardness'. Equipment most susceptible to scale problems include:

**Combi Ovens ♦ Ice Makers ♦ Espresso Machines  
Coffee & Tea Brewers ♦ Hot Water Dispensers**



#### Beverages

**Taste & Odor ruin beverage quality and consistency** caused primarily by chlorine and a range of organic substances and by-products. For beverages it is important that the system you choose deals with taste & odor reduction. Equipment most susceptible to these problems include:

**Fountain Beverages ♦ Ice Makers ♦ Drinking Water  
Coffee & Tea Brewers ♦ Espresso Machines**

### Step 2. Know the basic characteristics of your water.

As described above, most water-related problems are caused by two basic characteristics:

- 1) **A tendency to form scale** (impact on equipment operating efficiency and condition).
- 2) **An offensive taste or odor** (impact on beverage quality).

A common cause of taste & odor is 'chlorine' and its by-products. Scale comes from naturally occurring minerals in the water commonly referred to as 'water hardness'. It is essential to understand the chemical characteristics of your water to select the best treatment technology for an application and avoid expensive water-related equipment problems.

You may be already familiar with the characteristics of your water, but if not, here are a couple of simple ways to learn about it:

- Contact your municipality or water company and ask for the most recent water quality report.
- Use the OptiPure 'On-Site Water Test Kit' to quickly and easily measure important water quality parameters.

To get an OptiPure On-Site Water Test Kit, ask your OptiPure Dealer or contact OptiPure Customer Service.

Water chemistry is complex, and there are many chemical interactions that can influence quality. The recommendations made in this catalog are proven guidelines that are for most applications. Recommendations vary based upon water quality and application specifics. If you have unusual or difficult water problems, discuss them with your dealer or call OptiPure directly. We can provide solutions for any foodservice water treatment need.



### Step 3. Five basic water treatment technologies are utilized in foodservice water treatment systems.

**Water treatment is not a mystery.** Virtually all water treatment systems for foodservice applications utilize one or more of five basic water treatment technologies. **The challenge is to choose the right technologies** to deal with particular contaminants in order to create a desired result. (Descriptions of technologies on page 5).

Here are the five technologies, the water characteristics they deal with and the benefits they produce.

#### FIVE BASIC WATER TREATMENT TECHNOLOGIES

Water Treatment Technology	How It Works	Water Treatment Performance*
<b>Mechanical Filtration</b>	Suspended particulate are trapped by the media.	<b>Removes Dirt &amp; Sediment</b>
<b>Activated Carbon</b>	Reduces chlorine, and by adsorption offensive tastes and odors are reduced.	<b>Reduces Chlorine, Taste &amp; Odor</b>
<b>Scale Inhibitor</b>	Inhibitor media interferes with hardness minerals to reduce the potential for scale formation	<b>Inhibits Scale Formation</b>
<b>Ion Exchange (Softening)</b>	Water flows through charged resin where mineral ions are exchanged, e.g. calcium & magnesium are exchanged for sodium.	<b>Takes Out Hardness Minerals</b>
<b>Membrane Separation</b>	A separation process that removes a broad range of total dissolved minerals and other contaminants.	<b>Removes a Broad Range of Minerals &amp; Contaminants</b>

Throughout the catalog 'Performance Bars' are used to highlight the performance of the different OptiPure models.

#### WATER TREATMENT SYSTEM PERFORMANCE WITH OPTIPURE®

Removes Dirt & Sediment	Reduces Chlorine, Taste & Odor	Inhibits Scale Formation	Takes Out Hardness Minerals	Removes a Broad Range of Minerals & Other Contaminants
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### Step 4. Choose the system style that meets your needs.

OptiPure offers a choice of system styles to meet any need. (Descriptions on Page 8).

**FX** **QT**  
"Drop-In" or "Qwik-Twist"

### Step 5. Select the right system for your application.

**Go to your 'application' in the catalog and select the system that meets your requirements.**

System recommendations are based on typical water usage for a six-month period between filter changes. (Formulas for calculating your actual water usage are provided for most applications.)

**NOTE:** Different OptiPure technologies may be recommended for the same general application (e.g. "Steam"), because of differences in steam equipment design. The amount of hardness minerals in the water can also influence system selection. Detailed information about specific equipment applications such as Ice Makers, Combi Ovens, Espresso Machines and Combination Systems are available from "Equipment Application Guides" at the OptiPure website.

*Additional important information listed for each system to help you with your selection includes:*

- ❖ **Rated Capacity** (Gallons or Liters)
- ❖ **System Flow Rate**
- ❖ **System Dimensions**
- ❖ **Replacement Cartridges**

Confirm your choice of systems by answering two final questions:

1. Are the right technologies applied for each application?
2. Will the system capacity meet or exceed the actual water usage for the period between filter changes?

## Mechanical Filtration

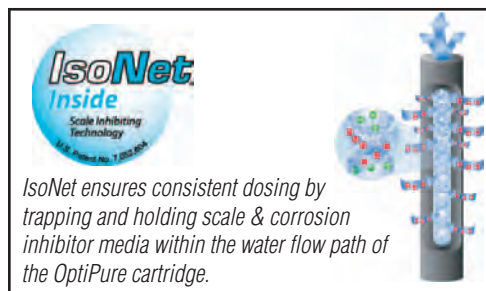
Often referred to as “pre” or “sediment” filters, mechanical filters are designed to trap and hold particulate matter (not dissolved) in water down to a specific size or micron. Various FX and QT filtration systems include a pre-filter to protect primary filters against premature plugging on water sources with excessive dirt and sediment. Pre-filtration systems are also available for ‘add-on’ applications where dirt and sediment levels become problematic with existing systems.

## Mechanical Filtration & Activated Carbon

The media structure of the OptiPure CTO and XTO cartridges is composed of millions of fibers coated with powdered activated carbon (PAC). The high mass of PAC and the depth structure of these cartridges provides exceptional nominal particulate filtration and chlorine, taste & odor reduction.

## Scale Inhibitor Technologies

**IsoNet®** (Patented) adds inhibitor media into the water which interferes with ability of hardness minerals to crystallize and create scale. The IsoNet® also utilizes a corrosion inhibitor to protect metal surfaces.



## Ion Exchange (Softening)

OptiPure uses strong acid cation (SAC) softening resin to remove 100% of hardness minerals from water by exchanging calcium and magnesium ions for sodium ions. Only hardness minerals and some forms of iron are removed. Systems are available in the QT and FX style with a range of capacities. OptiSoft are self-regenerating softeners for high capacity/high flow applications.

## Membrane Separation

Unlike filtration, membrane separation is a process where contaminants rejected by the membrane are continually flushed away to the drain. It is a separation process. OptiPure AMS systems utilize special “selective” membranes that are very effective at removing scale-causing minerals and many other contaminants while allowing through just enough non-hardness minerals to provide the conductivity needed for many foodservice applications. OptiPure AMS are also available with reverse osmosis (RO) membranes.

### WATER TREATMENT SYSTEM PERFORMANCE WITH OPTIPURE®

Removes Dirt & Sediment	Reduces Chlorine, Taste & Odor	Inhibits Scale Formation	Takes Out Hardness Minerals	Removes a Broad Range of Minerals & Other Contaminants
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**PolyTrix Pre-Filters** are U.S. made thermally bonded, graded-density, depth filters. PolyTrix offers greater dirt-holding capacity and high efficiency micron ratings. PolyTrix is used in OptiPure NSF Certified Systems.

### WATER TREATMENT SYSTEM PERFORMANCE WITH OPTIPURE®

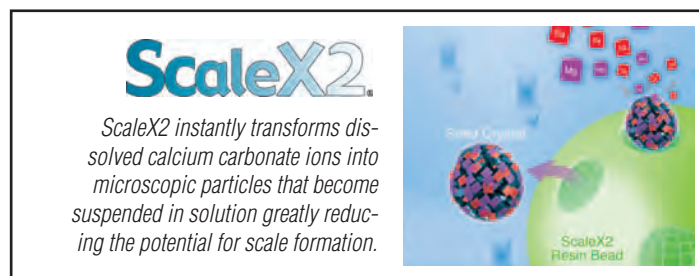
Removes Dirt & Sediment	Reduces Chlorine, Taste & Odor	Inhibits Scale Formation	Takes Out Hardness Minerals	Removes a Broad Range of Minerals & Other Contaminants
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**CTO, CTOS, XTO AND XTOS cartridges** contribute to the exceptional performance and capacity of OptiPure systems.

### WATER TREATMENT SYSTEM PERFORMANCE WITH OPTIPURE®

Removes Dirt & Sediment	Reduces Chlorine, Taste & Odor	Inhibits Scale Formation	Takes Out Hardness Minerals	Removes a Broad Range of Minerals & Other Contaminants
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**ScaleX2** uses “template-induced-crystallization” to inhibit calcium carbonate from forming scale. ScaleX2 adds nothing to the water.



### WATER TREATMENT SYSTEM PERFORMANCE WITH OPTIPURE®

Removes Dirt & Sediment	Reduces Chlorine, Taste & Odor	Inhibits Scale Formation	Takes Out Hardness Minerals	Removes a Broad Range of Minerals & Other Contaminants
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**OptiSoft, QTSFT and FSWS** systems take out hardness minerals and iron. **QTSFT-3** softening system also reduces sediment, chlorine, taste & odor.

### WATER TREATMENT SYSTEM PERFORMANCE WITH AMS SYSTEMS

Removes Dirt & Sediment	Reduces Chlorine, Taste & Odor	Inhibits Scale Formation	Takes Out Hardness Minerals	Removes a Broad Range of Minerals & Other Contaminants
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**AMS OptiPure AMS (Advanced Membrane Separation) OPW and LP** systems produce water with ideal characteristics for any foodservice equipment where hardness, high TDS or mineral imbalance is a problem. Systems produce from 100 to 1600 gallons per day. A variety of storage tank and repressurization options are available.

## FX or QT? Two System Styles to Meet Any Customer Needs.

# FX

**Exceptional Performance - Great Value!**

### OptiPure FX Advantages

- Replacement cartridge 'cost per gallon' is much less than with quick-change filters.
- Generates less waste than metal or plastic quick-change filters. Only the drop-in media is discarded - the 'Green' choice.
- Based on performance, system cost is typically less than quick-change style systems.



**FX Systems use "Drop-In" filter cartridges.**  
The sump is re-used. Only the filter media is replaced.

# QT

**Makes changing filters quick, easy and sanitary!**

### OptiPure QT Advantages

- Turn off water supply, a quarter-turn to the left, pull down and remove the cartridge. Line up the 'insert' arrows, push the new cartridge into the filter head, a quarter-turn to the right and the filter is replaced. It's that simple.
- No need to empty water from a sump or clean and sanitize before replacing the filter.
- OptiPure 'Combination' systems use all QT cartridges from beginning to end! (Details on page 12)

NOTE: 'QTC' models are Certified under NSF Standard 53 for reduction of harmful cysts such as Cryptosporidium and for Turbidity reduction.



**QT Systems use a "Qwik-Twist" cartridge.** Simply discard the cartridge and "Twist" in the replacement.

## POU or Combination? Maximize Application Effectiveness!

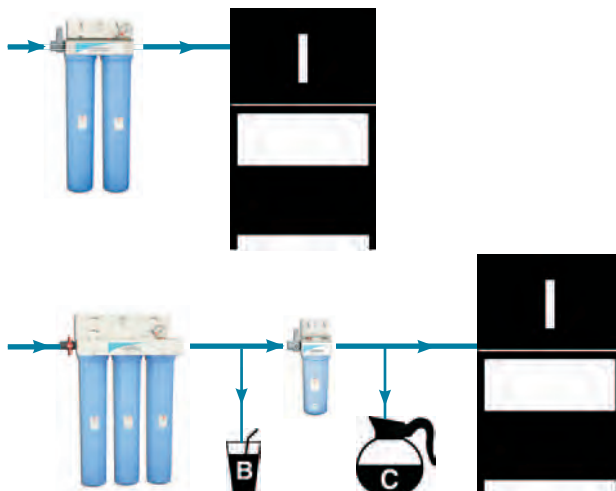
**A wide range of systems provides the flexibility to meet any requirement.**

### Point-of-Use

One filtration system provides water treatment to one or more pieces of equipment requiring the same treatment technologies.

### Combination

Two or more filtration systems are plumbed in combination with each other to provide different water treatment technologies required for different types of equipment. OptiPure offers a range of secondary filtration options that can be plumbed together in a central location or they can be installed near the equipment serviced.



## 83% of a fountain beverage is water

and 17% is syrup or concentrate - a ratio of about five to one. Each 5-gallon bag-in-box (BIB) requires about 25 gallons of water to make beverages.

### Up to 50 BIB/month Single Carbonator



#### Model: FX-11

System Part #:	160-50010
Rated Capacity:	15,000 gals. 56,775 ltrs.
Flow Rate:	1.5 gpm 5.7 lpm
Dimensions: HxWxD	14.5 x 6.5 x 5"
Shipping Weight:	6 lbs.

Replacement Cartridge:

(1) CTO-10 Part #: 252-20110

### Calculating usage for beverage system selection.

Add up the number of "bag-in-box" (BIB) used for all carbonated and non-carbonated beverages in a month and multiply times 25 to calculate monthly water usage. Estimate filtered 'drinking water' dispensed from a post-mix valve or water fill station and add to calculate total monthly usage. Multiply total monthly water usage times 6 to calculate water usage over a six-month period.

#### Example:

75 BIB/mo. x 25 gals. each = 1,875 gallons of water per month.

1,875 + 500 gals. drinking water = 2,375 gallons per month.

2,375 x 6 months = 14,250 gallons every 6 months.

**Actual water usage should not exceed system capacity.**

Application recommendations allow for flow requirements with multiple carbonators.

### Up to 100 BIB/month One or Two Carbonators



#### Model: FX-12

System Part #:	160-50020
Rated Capacity:	30,000 gals. 113,550 ltrs.
Flow Rate:	3.0 gpm 11.3 lpm
Dimensions: HxWxD	25 x 6.5 x 5"
Shipping Weight:	9 lbs.

Replacement Cartridge:

(1) CTO-20 Part #: 252-20120

*With Sediment Pre-Filter provides added protection against high sediment levels.*



#### Model: FX-22

System Part #:	160-50025
Rated Capacity:	30,000 gals. 113,550 ltrs.
Flow Rate:	3.0 gpm 11.3 lpm
Dimensions: HxWxD	24.5 x 11.3 x 5.8"
Shipping Weight:	13 lbs.

Replacement Cartridge(s):

(1) S5-20 Part #: 252-10120

(1) CTO-20 Part #: 252-20120

### Over 100 BIB/month Up to Three Carbonators



#### Model: FX-22P

System Part #:	160-50030
Rated Capacity:	60,000 gals. 227,100 ltrs.
Flow Rate:	6.0 gpm 22.7 lpm
Dimensions: HxWxD	26.8 x 12.5 x 9.8"
Shipping Weight:	24 lbs.

Replacement Cartridge(s):

(2) CTO-20 Part #: 252-20120

*With Sediment Pre-Filter provides added protection against high sediment levels.*



#### Model: FX-22P+

System Part #:	160-50035
Rated Capacity:	60,000 gals. 227,100 ltrs.
Flow Rate:	6.0 gpm 22.7 lpm
Dimensions: HxWxD	26.8 x 17.5 x 9.8"
Shipping Weight:	32 lbs.

Replacement Cartridge(s):

(1) S5-20 Part #: 252-10120

(2) CTO-20 Part #: 252-20120

### WATER TREATMENT SYSTEM PERFORMANCE WITH FX SYSTEMS

Removes  
Dirt &  
Sediment

Reduces  
Chlorine,  
Taste & Odor

Inhibits  
Scale  
Formation

Takes Out  
Hardness  
Minerals

Removes a Broad  
Range of Minerals &  
Other Contaminants



## Up to 50 BIB/month Single Carbonator



### Model: QT10-1

System Part #:	160-52009
Rated Capacity:	15,000 gals. 56,775 ltrs.
Flow Rate:	1.5 gpm 5.7 lpm
Dimensions: HxWxD	15.2x5.8x 4.2"
Shipping Weight:	3 lbs.

Replacement Cartridge(s):  
(1) **CTO-Q10** Part #: 300-05828

## Up to 100 BIB/month Single Carbonator



### Model: QT10-2

System Part #:	160-52019
Rated Capacity:	30,000 gals. 113,550 ltrs.
Flow Rate:	3.0 gpm 11.3 lpm
Dimensions: HxWxD	16.1x10x7"
Shipping Weight:	7 lbs.

Replacement Cartridge(s):  
(2) **CTO-Q10** Part #: 300-05828

## Up to 75 BIB/month Single Carbonator



### Model: QT-1, QTC-1

System Part #:	QT-1 160-52010 QTC-1 160-52014
Rated Capacity:	22,500 gals. 85,162 ltrs.
Flow Rate:	2.25 gpm 8.5 lpm
Dimensions: HxWxD	20 x 5.8 x 4.2"
Shipping Weight:	5 lbs.

Replacement Cartridge(s):  
QT-1: (1) **CTO-Q** Part #: 300-05830  
QTC-1: (1) **XTO-Q** Part#: 300-05840

*With Sediment Pre-Filter provides added protection against high sediment levels.*



### Model: QT-1+, QTC-1+

System Part #:	QT-1+ 160-52051 QTC-1+ 160-52061
Rated Capacity:	22,500 gals. 85,162 ltrs.
Flow Rate:	2.25 gpm 8.5 lpm
Dimensions: HxWxD	21 x 10 x 7"
Shipping Weight:	12 lbs.

Replacement Cartridge(s):  
QT-1+: (1) **S5-Q** Part #: 300-05802  
(1) **CTO-Q** Part #: 300-05830  
QTC-1+: (1) **S5-Q** Part #: 300-05802  
(1) **XTO-Q** Part#: 300-05840

## Up to 150 BIB/month One or Two Carbonators



### Model: QT-2, QTC-2

System Part #:	QT-2 160-52020 QTC-2 160-52024
Rated Capacity:	45,000 gals. 170,325 ltrs.
Flow Rate:	4.5 gpm 17 lpm
Dimensions: HxWxD	21 x 10 x 7"
Shipping Weight:	12 lbs.

Replacement Cartridge(s):  
QT-2: (2) **CTO-Q** Part #: 300-05830  
QTC-2: (2) **XTO-Q** Part#: 300-05840

*With Sediment Pre-Filter provides added protection against high sediment levels.*



### Model: QT-2+, QTC-2+

System Part #:	QT-2+ 160-51005 QTC-2+ 160-51007
Rated Capacity:	45,000 gals. 170,325 ltrs.
Flow Rate:	4.5 gpm 17 lpm
Dimensions: HxWxD	21 x 14.2 x 7"
Shipping Weight:	19 lbs.

Replacement Cartridge(s):  
QT-2+: (1) **S5-Q** Part#: 300-05802  
(2) **CTO-Q** Part #: 300-05830  
QTC-2+: (1) **S5-Q** Part#: 300-05802  
(2) **XTO-Q** Part#: 300-05840

## Over 150 BIB/month Up to Three Carbonators



### Model: QT-3, QTC-3

System Part #:	QT-3 160-52030 QTC-3 160-52034
Rated Capacity:	67,500 gals. 255,478 ltrs.
Flow Rate:	6.75 gpm 25.5 lpm
Dimensions: HxWxD	21 x 14.2 x 7"
Shipping Weight:	19 lbs.

Replacement Cartridge(s):  
QT-3: (3) **CTO-Q** Part #: 300-05830  
QTC-3: (3) **XTO-Q** Part#: 300-05840

## WATER TREATMENT SYSTEM PERFORMANCE WITH QT SYSTEMS

Removes  
Dirt &  
Sediment

Reduces  
Chlorine,  
Taste & Odor

Inhibits  
Scale  
Formation

Takes Out  
Hardness  
Minerals

Removes a Broad  
Range of Minerals &  
Other Contaminants

Additional performance  
with QTC systems.

Reduces  
harmful Cysts  
and Turbidity

# Ice Maker Applications



**Ice is 100% water.** 'Flaker' and 'nugget' machines use all of the water for ice production, so every 100 lbs. of ice takes about 12 gallons of water. 'Cubers' routinely "dump" water from the sump and sometimes use water to assist with 'harvesting' the ice. Water usage with cube ice makers varies averaging about 20 gallons per 100 lbs. of ice.

## Cubers up to 800 lbs. Flakers to 1000 lbs.



### Model: FXI-11

System Part #:	160-50105
Rated Capacity:	15,000 gals. 56,775 ltrs.
Flow Rate:	1.5 gpm 5.7 lpm
Dimensions: HxWxD	14.5 x 6.5 x 5"
Shipping Weight:	6 lbs.

Replacement Cartridge:  
(1) **CTOS-10** Part #: 252-20210

## Calculating usage for ice system selection

Cube ice maker recommendations are based on water usage of 20 gallons per 100 lbs. of ice and a run time of 12 hours per day. To calculate half-day run time divide daily ice production by two. Divide this by 100 to determine number of (100 lb.) batches of ice made per day. Multiply batches of ice per day times 20 gallons to determine daily water requirement. Multiply daily water required by 180 days to calculate water usage over a six month period.

### Example:

1500 lbs./day ice production capacity /2 = 750 lbs./day  
750 lbs./100 = 7.5 (100 lb) batches of ice per day.  
7.5 x 20 gallon per batch = 150 gallons water per day.  
150 x 180 days = 27,000 gallons every six months.

**Actual water usage should not exceed system capacity.**



All FXI Series use IsoNet®. IsoNet® is a patented Scale & Corrosion Inhibitor Technology available exclusively from OptiPure.

## Cubers up to 1500 lbs. Flakers to 2000 lbs.



### Model: FXI-12

System Part #:	160-50110
Rated Capacity:	30,000 gals. 113,550 ltrs.
Flow Rate:	3.0 gpm 11.3 lpm
Dimensions: HxWxD	25 x 6.5 x 5"
Shipping Weight:	9 lbs.

Replacement Cartridge:  
(1) **CTOS-20** Part #: 252-20220

**With Sediment Pre-Filter** provides added protection against high sediment levels.



### Model: FXI-22

System Part #:	160-50115
Rated Capacity:	30,000 gals. 113,550 ltrs.
Flow Rate:	3.0 gpm 11.3 lpm
Dimensions: HxWxD	24.5 x 11.3 x 5.8"
Shipping Weight:	13 lbs.

Replacement Cartridge(s):  
(1) **S5-20** Part #: 252-10120  
(1) **CTOS-20** Part #: 252-20220

## Cubers up to 2400 lbs. Flakers to 4000 lbs.



### Model: FXI-22P

System Part #:	160-50120
Rated Capacity:	60,000 gals. 227,100 ltrs.
Flow Rate:	6.0 gpm 22.7 lpm
Dimensions: HxWxD	26.8 x 12.5 x 9.8"
Shipping Weight:	24 lbs.

Replacement Cartridge(s):  
(2) **CTOS-20** Part #: 252-20220

**With Sediment Pre-Filter** provides added protection against high sediment levels.



### Model: FXI-22P+

System Part #:	160-50125
Rated Capacity:	60,000 gals. 227,100 ltrs.
Flow Rate:	6.0 gpm 22.7 lpm
Dimensions: HxWxD	26.8 x 17.5 x 9.8"
Shipping Weight:	32 lbs.

Replacement Cartridge(s):  
(1) **S5-20** Part#: 252-10120  
(2) **CTOS-20** Part #: 252-20220

## WATER TREATMENT SYSTEM PERFORMANCE WITH FXI SYSTEMS

Removes Dirt & Sediment	Reduces Chlorine, Taste & Odor	Inhibits Scale Formation	Takes Out Hardness Minerals	Removes a Broad Range of Minerals & Other Contaminants
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## Cubers up to 800 lbs.



### Model: QTI10-1

System Part #:	160-52011
Rated Capacity:	15,000 gals. 56,775 ltrs.
Flow Rate:	1.5 gpm 5.7 lpm
Dimensions: HxWxD	15.2x5.8x 4.2"
Shipping Weight:	3 lbs.

Replacement Cartridge(s):  
(1) **CTOS-Q10** Part #: 300-05829

## Cubers up to 1500 lbs.



### Model: QTI10-2

System Part #:	160-52021
Rated Capacity:	30,000 gals. 113,550 ltrs.
Flow Rate:	3.0 gpm 11.3 lpm
Dimensions: HxWxD	16.1x10x7"
Shipping Weight:	7 lbs.

Replacement Cartridge(s):  
(2) **CTOS-Q10** Part #: 300-05829

## Cubers up to 1000 lbs. Flakers to 1500 lbs.



### Model: QTI-1, QTCI-1

System Part #:	QTI-1 160-52012 QTCI-1 160-52016
Rated Capacity:	22,500 gals. 85,162 ltrs.
Flow Rate:	2.25 gpm 8.5 lpm
Dimensions: HxWxD	20 x 5.8 x 4.2"
Shipping Weight:	5 lbs.

Replacement Cartridge(s):  
QTI-1: (1) **CTOS-Q** Part #: 300-05835  
QTCI-1: (1) **XTOS-Q** Part#: 300-05845

*With Sediment Pre-Filter provides added protection against high sediment levels.*



### Model: QTI-1+, QTCI-1+

System Part #:	QTI-1+ 160-52055 QTCI-1+ 160-52065
Rated Capacity:	22,500 gals. 85,162 ltrs.
Flow Rate:	2.25 gpm 8.5 lpm
Dimensions: HxWxD	21 x 10 x 7"
Shipping Weight:	12 lbs.

Replacement Cartridge(s):  
QTI-1+: (1) **S5-Q** Part #: 300-05802  
(1) **CTOS-Q** Part #: 300-05835  
QTCI-1+: (1) **S5-Q** Part #: 300-05802  
(1) **XTOS-Q** Part#: 300-05845

## Cubers up to 2000 lbs. Flakers to 3000 lbs.



### Model: QTI-2, QTCI-2

System Part #:	QTI-2 160-52022 QTCI-2 160-52026
Rated Capacity:	45,000 gals. 170,325 ltrs.
Flow Rate:	4.5 gpm 17 lpm
Dimensions: HxWxD	21 x 10 x 7"
Shipping Weight:	12 lbs.

Replacement Cartridge(s):  
QTI-2: (2) **CTSO-Q** Part #: 300-05835  
QTCI-2: (2) **XTOS-Q** Part#: 300-05845

*With Sediment Pre-Filter provides added protection against high sediment levels.*



### Model: QTI-2+, QTCI-2+

System Part #:	QTI-2+ 160-51010 QTCI-2+ 160-51012
Rated Capacity:	45,000 gals. 170,325 ltrs.
Flow Rate:	4.5 gpm 17 lpm
Dimensions: HxWxD	21 x 14.2 x 7"
Shipping Weight:	19 lbs.

Replacement Cartridge(s):  
QTI-2+: (1) **S5-Q** Part#: 300-05802  
(2) **CTOS-Q** Part #: 300-05835  
QTCI-2+: (1) **S5-Q** Part#: 300-05802  
(2) **XTOS-Q** Part#: 300-05845

## Cubers up to 2400 lbs. Flakers to 4000 lbs.



### Model: QTI-3, QTCI-3

System Part #:	QTI-3 160-52032 QTCI-3 160-52036
Rated Capacity:	67,500 gals. 255,478 ltrs.
Flow Rate:	6.75 gpm 25.5 lpm
Dimensions: HxWxD	21 x 14.2 x 7"
Shipping Weight:	19 lbs.

Replacement Cartridge(s):  
QTI-3: (3) **CTOS-Q** Part #: 300-05835  
QTCI-3: (3) **XTOS-Q** Part#: 300-05845

## WATER TREATMENT SYSTEM PERFORMANCE WITH QTI SYSTEMS

Removes Dirt & Sediment	Reduces Chlorine, Taste & Odor	Inhibits Scale Formation	Takes Out Hardness Minerals	Removes a Broad Range of Minerals & Other Contaminants
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Additional performance  
with QTCI systems.



Reduces  
harmful Cysts  
and Turbidity

## Combination Systems include at least two different filtration systems.

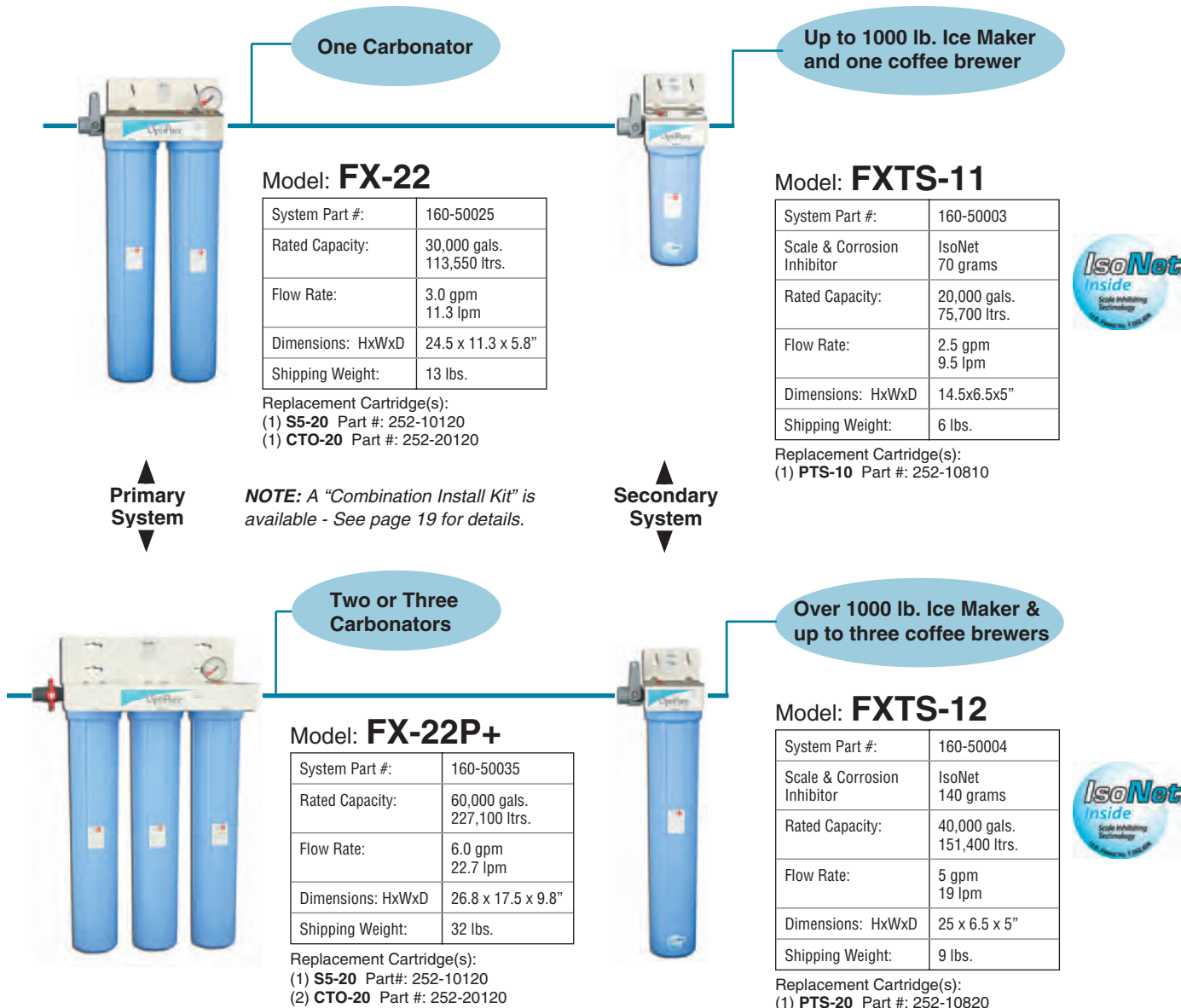
**Primary System** - The water plumbed to all of the different types of equipment is first treated by a primary filtration system. Typically primary filtration takes out sediment (mechanical filtration) and reduces chlorine, taste and odor (activated carbon).

**Secondary System** - Equipment that needs additional protection has secondary filtration plumbed-in following the primary filtration. This equipment benefits from the combination of both the primary and secondary filtration. Secondary filtration is often used to provide protection against scale.

This "staged" system concept is important because some equipment (i.e. Post-Mix) would not benefit from scale protection and it may impact the quality of the product.

These guidelines will help you make the best choice for your application.

- ❖ Water usage for all connected equipment should not exceed the Primary System capacity for the period between filter changes.
- ❖ Secondary filtration capacity should be proportional to the water required for ice, coffee and other secondary applications.
- ❖ Recommendations are based upon typical water usage over a six-month period.



### WATER TREATMENT SYSTEM PERFORMANCE WITH FX COMBINATION SYSTEMS.

Removes Dirt & Sediment	Reduces Chlorine, Taste & Odor	Inhibits Scale Formation	Takes Out Hardness Minerals	Removes a Broad Range of Minerals & Other Contaminants
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OptiPure's modular approach gives you the flexibility to select the perfect balance of treatment technologies for any combination of equipment.





# Combination Applications

## OptiPure QT Combination Systems are Qwik-Twist From Beginning to End!

**QT** Sediment Pre-Filter ♦ **QT** Primary Chlorine, Taste & Odor / Fine Particulate ♦ **QT** Secondary Scale Protection

**NOTE:** A "Combination Install Kit" is available - See page 19 for details.

### One Carbonator



#### Model: QT-1+, QTC-1+

System Part #:	QT-1+ 160-52051 QTC-1+ 160-52061
Rated Capacity:	22,500 gals. 85,162 ltrs.
Flow Rate:	2.25 gpm 8.5 lpm
Dimensions: HxWxD	21 x 10 x 7"
Shipping Weight:	12 lbs.

#### Replacement Cartridge(s):

QT-1+: (1) **S5-Q** Part #: 300-05802  
(1) **CTO-Q** Part #: 300-05830  
QTC-1+: (1) **S5-Q** Part #: 300-05802  
(1) **XTO-Q** Part#: 300-05840

Primary  
System

Up to 1000 lb. Ice Maker  
and one coffee brewer



#### Model: QTTS10-1

System Part #:	160-52090
Scale & Corrosion Inhibitor	IsoNet 70 grams
Rated Capacity:	20,000 gals. 75,700 ltrs.
Flow Rate:	2.5 gpm 9.5 lpm
Dimensions: HxWxD	15.2 5.8 x 4.2"
Shipping Weight:	3 lbs.

#### Replacement Cartridge(s):

(1) **PTS-Q** Part #: 300-05805

Secondary  
System



### Two Carbonators



#### Model: QT-2+, QTC-2+

System Part #:	QT-2+ 160-51005 QTC-2+ 160-51007
Rated Capacity:	45,000 gals. 170,325 ltrs.
Flow Rate:	4.5 gpm 17 lpm
Dimensions: HxWxD	21 x 14.2 x 7"
Shipping Weight:	19 lbs.

#### Replacement Cartridge(s):

QT-2+: (1) **S5-Q** Part#: 300-05802  
(2) **CTO-Q** Part #: 300-05830  
QTC-2+: (1) **S5-Q** Part#: 300-05802  
(2) **XTO-Q** Part#: 300-05840

Primary  
System

Up to 1200 lb. Ice Maker



Up to 800 lb. Ice Maker  
& three coffee brewers



Run more than one  
secondary filter for  
multiple and high  
volume equipment  
applications.

### Three Carbonators



#### Model: QT-3, QTC-3

System Part #:	QT-3 160-52030 QTC-3 160-52034
Rated Capacity:	67,500 gals. 255,478 ltrs.
Flow Rate:	6.75 gpm 25.5 lpm
Dimensions: HxWxD	21 x 14.2 x 7"
Shipping Weight:	19 lbs.

#### Replacement Cartridge(s):

QT-3: (3) **CTO-Q** Part #: 300-05830  
QTC-3: (3) **XTO-Q** Part#: 300-05840

There are many different scenarios where combination systems provide efficient, cost-effective solutions. For more in-depth application information visit [www.optipurewater.com](http://www.optipurewater.com) and request the 'Combination Systems Application Guide'.

#### WATER TREATMENT SYSTEM PERFORMANCE WITH QT COMBINATION SYSTEMS.

Removes  
Dirt &  
Sediment

Reduces  
Chlorine,  
Taste & Odor

Inhibits  
Scale  
Formation

Takes Out  
Hardness  
Minerals

Removes a Broad  
Range of Minerals &  
Other Contaminants

**Coffee is 98% water.** Chlorine can ruin coffee flavor and scale can ruin coffee equipment.

*Reducing chlorine, taste & odor and inhibiting scale is beneficial to any coffee application.*

## Low to Medium Volume



### Model: SX2-21

System Part #:	160-00350
Rated Capacity:	15,000 gals. 56,775 ltrs.
Flow Rate:	1.5 gpm 5.7 lpm
Dimensions: HxWxD	14 x 11.5 x 5.8"
Shipping Weight:	11 lbs.

Replacement Cartridge Kit:  
(1) **SX21RK** Part #: 252-60110

**ScaleX2**

## Medium to High Volume



### Model: SX2-22

System Part #:	160-50142
Rated Capacity:	30,000 gals. 113,550 ltrs.
Flow Rate:	3.0 gpm 11.3 lpm
Dimensions: HxWxD	25 x 11.5 x 5.8"
Shipping Weight:	16 lbs.

Replacement Cartridge Kit:  
(1) **SX22RK** Part #: 252-60115

WATER TREATMENT SYSTEM PERFORMANCE WITH SCALEX2 SYSTEMS.

Removes Dirt & Sediment	Reduces Chlorine, Taste & Odor	Inhibits Scale Formation	Takes Out Hardness Minerals	Removes a Broad Range of Minerals & Other Contaminants
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## Up to 1.5 gpm



### Model: FXI-11

System Part #:	160-50105
Rated Capacity:	15,000 gals. 56,775 ltrs.
Flow Rate:	1.5 gpm 5.7 lpm
Dimensions: HxWxD	14.5 x 6.5 x 5"
Shipping Weight:	6 lbs.

Replacement Cartridge:  
(1) **CTOS-10** Part #: 252-20210

## Up to 1.5 gpm



### Model: QTI10-1

System Part #:	160-52011
Rated Capacity:	15,000 gals. 56,775 ltrs.
Flow Rate:	1.5 gpm 5.7 lpm
Dimensions: HxWxD	15.2x5.8x 4.2"
Shipping Weight:	3 lbs.

Replacement Cartridge(s):  
(1) **CTOS-Q10** Part #: 300-05829

## Up to 3 gpm



### Model: QTI10-2

System Part #:	160-52021
Rated Capacity:	30,000 gals. 113,550 ltrs.
Flow Rate:	3.0 gpm 11.3 lpm
Dimensions: HxWxD	16.1x10x7"
Shipping Weight:	7 lbs.

Replacement Cartridge(s):  
(2) **CTOS-Q10** Part #: 300-05829

WATER TREATMENT SYSTEM PERFORMANCE WITH FXI & QTI SYSTEMS.



Removes Dirt & Sediment	Reduces Chlorine, Taste & Odor	Inhibits Scale Formation	Takes Out Hardness Minerals	Removes a Broad Range of Minerals & Other Contaminants
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See page 5 for a description of ScaleX2 and IsoNet technologies or go to [www.optipurewater.com](http://www.optipurewater.com) for details.

## Single Brewer - Light Use Applications



### In-Line Filters

Model Part #	Flow Rate gal./ltr.	Scale Inhibitor	Capacity gal./ltr.	Connection Inlet & Outlet
<b>ILTOS-10.38*</b> 252-70220	0.5 gpm 1.9 lpm	Yes Polyphosphate	1,250 gals. 4,731 ltrs.	3/8" FNPT
<b>ILTO-10.38**</b> 252-70120	0.5 gpm 1.9 lpm	No Polyphosphate	1,500 gals. 5,677 ltrs.	3/8" FNPT
<b>ILSX2-6.38***</b> 252-70096	0.5 gpm 1.9 lpm	Yes ScaleX2	3,000 gals. or 1 yr. 11,340 ltrs.	3/8" FNPT

\*Reduce Chlorine, Sediment, Taste & Odor & Inhibit Scale

\*\* Reduce Chlorine, Sediment, Taste & Odor Only

\*\*\*Inhibit Scale Only.

## Espresso Applications

For more in-depth application information visit [www.optipurewater.com](http://www.optipurewater.com) and request the 'Espresso Equipment Application Guide'.

Espresso requires a “broad spectrum” treatment system that deals with beverage quality and equipment problems.

**OptiPure AMS Systems** manage hardness, TDS and a range of water-related beverage quality and equipment problems. The **OptiSoft Systems** manage hardness and chlorine, sediment, taste and odor.

*Scale inhibiting media that use polyphosphates are not recommended for tea or espresso applications.*

## Most Applications

OptiPure OPW systems remove a broad range of contaminants including scale-causing minerals and reduces Total Dissolved Solids (TDS).



**AMS**  
**Model OPW150**  
Produces up to 150 gallons per day with a choice of 10, 25 or 50 gallon storage tank. Provides optimum water with trace minerals ideal for the perfect espresso.

*In many applications the OPW150 will meet requirements for espresso, coffee, tea and even small ice makers giving you consistent, quality water for all of your equipment.*

See page 17 for more information about additional OptiPure AMS Systems.



Compact, Wall-Mount System

Shown with 25 gallon storage tank.

### \*WATER TREATMENT SYSTEM PERFORMANCE WITH AMS SYSTEMS

Removes Dirt & Sediment	Reduces Chlorine, Taste & Odor	Inhibits Scale Formation	Takes Out Hardness Minerals	Removes a Broad Range of Minerals & Other Contaminants
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## OptiSoft Softening Systems take out hardness minerals that cause scale.

### 5,200 Grain Capacity



#### Model: FXWS-12B

System Part #:	160-00520
Rated Capacity:	5,200 grains
Flow Rate:	2.0 gpm 7.5 lpm
Dimensions: HxWxD	28.5 x 10 x 8"
Shipping Weight:	22 lbs.

Replacement Cartridge:  
(1) **WS-20B** Part #: 252-60040

Use with an FX-11 (page 7) for sediment, chlorine, taste & odor reduction.

To calculate (gallons) softening system capacity - divide the grain capacity of the treatment system by the water hardness in grains per gallon (gpg).

**Example:** 4,500 grains capacity/7 gpg = 643 gallons capacity. That's more than 20,500 double shots of espresso.

### 4,500 Grain Capacity & Reduces Chlorine, Sediment, Taste & Odor



#### Model: QTSFT-3

System Part #:	160-00450
Rated Capacity:	4,500 grains
Flow Rate:	1 gpm 3.78 lpm
Dimensions: HxWxD	21 x 15.5 x 4.5"
Shipping Weight:	16 lbs.

Replacement Cartridge(s):  
(1) **CSFT-Q** Part #: 300-05885  
(2) **SFT-Q** Part#: 300-05890

### \*WATER TREATMENT SYSTEM PERFORMANCE WITH OPTISOFT

Removes Dirt & Sediment	Reduces Chlorine, Taste & Odor	Inhibits Scale Formation	Takes Out Hardness Minerals	Removes a Broad Range of Minerals & Other Contaminants
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## Tea Applications - Use Espresso recommendations for Tea Applications.

Water hardness and high TDS cause tea to be cloudy and interfere with taste. The above water softening or AMS system is recommended for tea applications. For high volume, iced tea applications, contact OptiPure for information about OptiSoft self-regenerating systems for high volume applications.

## Combi ovens and steamers are very susceptible to scale and corrosion problems.

To select the right water treatment it is **essential to know how your oven generates steam.**

**Boiler/Steam Generator** - A volume of water is contained and heated to boil to generate steam.

**Flash** - Water is dispensed onto a heated surface and instantly “flashed” in steam.

**OptiPure provides three different water treatment technologies** that effectively deal with different water characteristics and steam generating methods.

For more in-depth application information visit [www.optipurewater.com](http://www.optipurewater.com) and request the ‘Steam Equipment Application Guide’.

## AMS

Advanced Membrane Separation

is recommended for: **All Types of Steam Equipment**

**High Volume & Multiple Ovens - Model LP700/50**  
**Medium to High Volume Oven - Model LP350/50**



OptiPure AMS Systems virtually eliminate water related problems with any kind of steam equipment. It is highly recommended for all ‘Flash’ steam equipment.

**Low to Medium Volume Ovens - Model OPW150/25**  
10, 25 or 50 gal. tanks available.



OptiPure Selective Rejection Membranes remove hardness minerals and other dissolved solids that cause scale and corrosion while leaving trace minerals needed for stability and proper operation of conductivity probes.

See pages 17 & 18 for more information about OptiPure AMS Systems.

**On-site water testing is recommended** to determine the best treatment option with steam equipment applications. Use the OptiPure ‘On-Site Water Test Kit’ to quickly and easily measure important water parameters (see page 19).

### WATER TREATMENT SYSTEM PERFORMANCE WITH AMS SYSTEMS

Removes Dirt & Sediment	Reduces Chlorine, Taste & Odor	Inhibits Scale Formation	Takes Out Hardness Minerals	Removes a Broad Range of Minerals & Other Contaminants
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## ScaleX2 is recommended for: Boiler/Steam Generator

### Low to Medium Volume



#### Model: **SX2-21**

System Part #:	160-00350
Rated Capacity:	15,000 gals. 56,775 ltrs.
Flow Rate:	1.5 gpm 5.7 lpm
Dimensions: HxWxD	14 x 11.5 x 5.8"
Shipping Weight:	11 lbs.

Replacement Cartridge Kit:  
(1) **SX21RK** Part #: 252-60110

**The BEST scale inhibitor for boiler/steam generator applications with moderate to high levels of Calcium hardness.**

**ScaleX2 is ideal for ovens that drain/flush the boiler/steam generator on a daily basis.**

### High Volume - High Flow



#### Model: **SX2-22B**

System Part #:	160-50143
Rated Capacity:	50,000 gals. 189,000 ltrs.
Flow Rate:	5.0 gpm 18.9 lpm
Dimensions: HxWxD	26 x 20 x 9"
Shipping Weight:	24 lbs.

Replacement Cartridge Kit:  
(1) **SX22RK** Part #: 252-60124

### Medium to High Volume



#### Model: **SX2-22**

System Part #:	160-50142
Rated Capacity:	30,000 gals. 113,550 ltrs.
Flow Rate:	3.0 gpm 11.3 lpm
Dimensions: HxWxD	25 x 11.5 x 5.8"
Shipping Weight:	16 lbs.

Replacement Cartridge Kit:  
(1) **SX22RK** Part #: 252-60115

WATER TREATMENT SYSTEM PERFORMANCE WITH SCALEX2 SYSTEMS.

Removes Dirt & Sediment	Reduces Chlorine, Taste & Odor	Inhibits Scale Formation	Takes Out Hardness Minerals	Removes a Broad Range of Minerals & Other Contaminants
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## IsoNet is recommended for: All Types of Steam Equipment

**The cost effective choice for any steam application with low to moderate total dissolved solids and hardness levels.**

### Low to Medium Volume



#### Model: **FXI-11**

System Part #:	160-50105
Rated Capacity:	15,000 gals. 56,775 ltrs.
Flow Rate:	1.5 gpm 5.7 lpm
Dimensions: HxWxD	14.5 x 6.5 x 5"
Shipping Weight:	6 lbs.

Replacement Cartridge:  
(1) **CTOS-10** Part #: 252-20210

### Medium to High Volume



#### Model: **FXI-12**

System Part #:	160-50110
Rated Capacity:	30,000 gals. 113,550 ltrs.
Flow Rate:	3.0 gpm 11.3 lpm
Dimensions: HxWxD	25 x 6.5 x 5"
Shipping Weight:	9 lbs.

Replacement Cartridge:  
(1) **CTOS-20** Part #: 252-20220

### Low to Medium Volume



#### Model: **QTI10-1**

System Part #:	160-52011
Rated Capacity:	15,000 gals. 56,775 ltrs.
Flow Rate:	1.5 gpm 5.7 lpm
Dimensions: HxWxD	15.2x5.8x 4.2"
Shipping Weight:	3 lbs.

Replacement Cartridge(s):  
(1) **CTOS-Q10** Part #: 300-05829

WATER TREATMENT SYSTEM PERFORMANCE WITH FXI & QTI SYSTEMS.



Removes Dirt & Sediment	Reduces Chlorine, Taste & Odor	Inhibits Scale Formation	Takes Out Hardness Minerals	Removes a Broad Range of Minerals & Other Contaminants
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## OptiPure AMS Systems are a viable solution for foodservice water treatment applications when:

- ❖ Water characteristics, such as TDS and hardness levels, are so severe that filtration technology is unable to solve the problem.
- ❖ Strict water quality standards or equipment manufacturers' minimum standards for warranty must be achieved.
- ❖ Water quality, ingredient standards and consistency is required regardless of location and differing water characteristics.



### OptiPure AMS offers a choice of membrane rejection characteristics.

**Selective Rejection** - (SR) membranes remove 85-92% of total dissolved solids (TDS) including chlorides, sulfates and virtually all hardness minerals, leaving 8-15% of the TDS needed to make water stable and allow for proper operation of conductivity probes.

**Reverse Osmosis** - (RO) membranes remove 96+% of TDS. RO is recommended when the mineral content of water is very high (>750 mg/l).

### LP Series

**LP Series Systems produce up to 350 or 700 gallons per day\*** at line pressure. Features include SR membranes, high-efficiency and recovery, wall mount design, storage capacity choices, TDS monitor, variable-speed repressurization pump and post-treatment options. **The LP series AMS systems are ideal for any foodservice application** where the highest quality water is desired; or where high TDS or improper mineral balance is a problem.

Model Part #	*Production per Day	Tank Capacity	Dry Weight**	Processor Dimension W x D x H	Storage Tank Dimensions H x D	Pre-Filtration Cartridge(s) Part #	SR Membrane(S) Part #
<b>LP350 Series</b>							
LP350/25 164-43525	350*	25		17 x 6.5 x 49"	34 x 18"	(2) CTO-20 252-20120	(1) SRM-350 204-32205
LP350/50 164-43550	350*	50		17 x 6.5 x 49"	38 x 24"	(2) CTO-20 252-20120	(1) SRM-350 204-32205
<b>LP700 Series</b>							
LP700/25 164-47025	700*	25		17 x 6.5 x 49"	34 x 18"	2) CTO-20 252-20120	(2) SRM-350 204-32205
LP700/50 164-47050	700*	50		17 x 6.5 x 49"	38 x 24"	2) CTO-20 252-20120	(2) SRM-350 204-32205
LP700/175 164-47175	700*	75		17 x 6.5 x 49"	63 x 31"	2) CTO-20 252-20120	(2) SRM-350 204-32205

\*The nominal production rate of any membrane based system is strictly dependent on feed water temperature and feed water pressure. Reduced temperature (below 75°F) or pressure (below 60 psi) will reduce production. Water temperature and pressure MUST be considered when calculating production and storage requirements.

\*\*System DRY weight is significantly less than the weight of the system when filled with water. Keep in mind that water weighs 8.35 lbs., so a 50 gallon tank filled with water will weigh 418 lbs.

**NOTE:** All OptiPure AMS models specified in this catalog include 'Selective Rejection' membranes. Any OptiPure AMS system can be special ordered with RO membranes.

**For in-depth AMS application information visit [www.optipurewater.com](http://www.optipurewater.com) and request the 'OptiPure AMS Application Guide'.**

OptiPure also offers commercial, wall-mount, pump-driven, AMS systems that produce 300, 600, 900 & 1600 gal./day with 175, 300, 500 or 1200 gallon atmospheric storage tanks with up to 1 hp repressurization systems. Contact OptiPure for information about OPW high production systems.

#### WATER TREATMENT SYSTEM PERFORMANCE WITH AMS SYSTEMS

Removes Dirt & Sediment	Reduces Chlorine, Taste & Odor	Inhibits Scale Formation	Takes Out Hardness Minerals	Removes a Broad Range of Minerals & Other Contaminants
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All OptiPure AMS Systems include prefiltration, AMS processor, storage and repressurization, fully illustrated installation, operation and service manuals and virtually all required connection hose, tubing and fittings.

## OPW150 Series

The OPW150 utilizes a feed-water booster pump for consistent production of up to 150 gallons per day. The compact wall-mount system includes a choice of sealed, pressurized storage tanks, and has an integrated remineralizer cartridge to provide the best mineral balance for quality coffee and tea beverages. The OPW150 is ideal for specialty coffee and tea.



Model Part #	*Production per Day	Tank Capacity	Dry Weight**	Processor Dimension W x D x H	Storage Tank Dimensions H x D	Pre-Filtration Cartridge(s) Part #	SR Membrane(S) Part #
<b>OPW150 Series</b>							
OPW150/10E 164-18111	150*	10	105	15 x 10 x 15"	32 x 15"	(2) CTO-10 252-20110	(1) SRM-150E 204-52768
OPW150/25E 164-18125	150*	25	126	15 x 10 x 15"	36 x 22"	(2) CTO-10 252-20110	(1) SRM-150E 204-52768
OPW150/50E 164-18150	150*	50	150	15 x 10 x 15"	46 x 26"	(2) CTO-10 252-20110	(1) SRM-150E 204-52768
<b>OPM Series</b>							
OPM150/50MX 164-20095	150*	50	150	26 x 31 x 52"	na	2) CTO-10 252-20110	(2) SRM-150E 204-52768
OPM300/50MX 164-20255	300*	50	175	26 X 31 X 52"	na	2) CTO-20 252-20120	(2) SRM-150E 204-52768
OPM300/50E 164-20250	300*	50	175	26 X 31 X 52"	na	2) CTO-20 252-20120	(2) SRM-150E 204-52768

\*The nominal production rate of any membrane based system is strictly dependent on feed water temperature and feed water pressure. Reduced temperature (below 75°F) or pressure (below 60 psi) will reduce production. Water temperature and pressure MUST be considered when calculating production and storage requirements.

\*\*System DRY weight is significantly less than the weight of the system when filled with water. Keep in mind that water weighs 8.35 lbs., so a 50 gallon tank filled with water will weigh 418 lbs.

## OPM Series

The OPM Series are compact, self-contained AMS systems that produce up to 150 or 300 gallons per day. The unique design incorporates the prefilters, booster pump, AMS processor and storage tank into one assembly. Systems with MX suffix are fitted with the 'Bio-Kleer-MX' post-treatment to inhibit down-line biological growth which is problematic in indoor and outdoor misting systems. The OPMXXX/50MX is ideal for grocery misting systems.



OPM150/50E  
Shown

Contact OptiPure for personal assistance with OptiPure AMS system applications.

**NOTE: When water hardness exceeds 16 grains per gallon (gpg)** or when maximizing recovery membranes need extra protection to ensure production and maximize membrane life. OptiPure's ScaleX2 scale inhibitor technology protects membranes against premature fouling due to high calcium hardness, and only requires changing the filter annually. In this application the ScaleX2 is an ideal form of protection instead of a water softener and the required salt.



### Model: SX2-11

System Part #:	160-50131
Rated Capacity:	1 year
Flow Rate:	1.0 gpm
Dimensions: HxWxD	14.5 x 6.5 x 5"
Shipping Weight:	6 lbs.

Replacement Cartridge:  
(1) SCLX2-1 Part #: 252-60205



### Model: SX2-12

System Part #:	160-50133
Rated Capacity:	1 year
Flow Rate:	2.0 gpm
Dimensions: HxWxD	25 x 6.5 x 5"
Shipping Weight:	9 lbs.

Replacement Cartridge:  
(1) SCLX2-2 Part #: 252-60210

### ScaleX2 Application Guide

AMS Processor	SX2-11	SX2-12
LP350		X
LP700		X
OPW150	X	
OPM150	X	
OPM300		X

# Miscellaneous Products

## Filtration Systems for Unique Applications

### When Excessive Dirt & Sediment are a Problem.



#### Model: FXAF-12

System Part #:	160-50305
Particulate Rating:	5-micron
Flow Rate:	5.0 gpm
Dimensions: HxWxD	25 x 6.5 x 5"
Shipping Weight:	8 lbs.

Replacement Cartridge:  
(1) **S5-20** Part #: 252-10120



#### Model: FXAF-12B

System Part #:	160-50340
Particulate Rating:	5-micron
Flow Rate:	8.0 gpm
Dimensions: HxWxD	28.5 x 10 x 8"
Shipping Weight:	18 lbs.

Replacement Cartridge:  
(1) **S5-20B** Part #: 252-10410

**The FXAF systems provide additional pre-filtration -** to protect systems with fine particulate filtration against premature "loading" due to high dirt and sediment levels found in some water supplies. Or can be used to extend the life of downstream filtration cartridges.

### Mineral Addition



#### Model: FXMA-11

System Part #:	160-50008
Rated Capacity:	15,000 gals. 56,775 ltrs.
Flow Rate:	1.5 gpm 5.7 lpm
Dimensions: HxWxD	14.5 x 6.5 x 5"
Shipping Weight:	9 lbs.

Replacement Cartridge:  
(1) **OPCA-97** Part #: 300-01612

**Secondary Filter or Post-Treatment -** Adds Calcium to product water. When used with AMS systems increases conductivity, stabilizes water and improves quality of espresso beverages.

### Chloramine Reduction - Up to 65 BIB/month One or Two Carbonators



#### Model: FX-22BCR

System Part #:	160-50049
Rated Capacity:	25,000 gals. 94,500 ltrs.
Flow Rate:	3.2 gpm 12 lpm
Dimensions: HxWxD	26 x 17.8 x 8.5"
Shipping Weight:	24 lbs.

Replacement Cartridges:  
(1) **CCM-20B** Part #: 252-20605  
(1) **CTO-20B** Part #: 252-20420

Sediment, chlorine, taste & odor AND Chloramine Reduction

## Miscellaneous Parts & Kits

### 'Combination Kit'

Provides connectors and fittings needed to plumb water from primary filtration to fountain beverages and to secondary filtration for ice, coffee and other applications requiring treatment.



Part # 160-52907

### 'QT-1 Gauge Kit'



Part # 160-52904

### 'Flush Valve Kit'

Includes connector and flush valve assembly to allow filter cartridges to be flushed after changing.

**FX 1/2" Kit** - Part #: 160-52910

**QT 3/8" Kit** - Part #: 160-52912

**FXB 3/4" Kit** - Part #: 160-52914

### 'Connector Kits'

- No damage from soldering fittings near filter system components.
- Installation is quick & easy.
- NSF Certified connectors are flexible stainless steel and will not kink.



Part #: 160-52995

- 1/2" Kit** includes:
- ✓ (2) Connectors 12" long 1/2" I.D. flex w/1/2" FIP
  - ✓ (2) 1/2" Hex Nipples

Part #: 160-52997

- 3/8" Kit** includes:
- ✓ (2) Connectors 12" long 1/2" I.D. flex w/1/2" FIP
  - ✓ (2) 1/2"x3/8" Reducr Nipple

### OptiClean Descaling Compound

Safely dissolves and removes carbonate, lime-scale and iron scale build-up caused by hard water.



Part #: 150-50026  
4 lb. Bottle  
4 bottles/case

- Non-Toxic, Environmentally Safe & Biodegradable.
- 100% Organic - No harsh mineral acids.
- One - 4 lb. bottle makes 10 gallons of descaler.
- Completely soluble & easily rinses from system.
- Will not impact taste of beverages or ice.

### Water Testing



#### Opti-TDS Tester

Part #: 180-85010

- 0-9990 ppm
- Auto-Off
- Reusable
- 6.1"x 1.25" x1"
- Accuracy: +/- 3%
- Long Battery Life



#### On-Site Water Test Kit

Part #: 180-80114

Each kit is in a zip-lock bag and includes two test strips for hardness, alkalinity, chlorine and pH; and one for chloride.

### Replacement Parts

Description	Qty	Part #
FX Sump O-Ring	1	600-99003
	6	600-99008
FXB Sump O-Ring	1	600-99004
FX Filter Wrench	1	600-99007
FXB Filter Wrench	1	600-99009
FX/QT Pressure Gauge	1	530-20019



## QT Systems - Performance / Application

Item #	Page	Model	Take Out Dirt & Sediment	Reduce Chlorine Capacity gal/ltr	Inhibit Scale	Take Out Hardness	Flow Rate gpm/lpm	Application
<b>QT Systems - Reduce Sediment, Chlorine, Taste &amp; Odor.</b>								
160-52009	8	<b>QT10-1</b>	0.5 Micron	15,000 / 56,775	na	na	1.5 / 5.7	fountain - water
160-52019	8	<b>QT10-2</b>	0.5 Micron	30,000 / 113,550	na	na	3 / 11.3	fountain - water - combination (primary)
160-52010	8	<b>QT-1</b>	0.5 Micron	22,500 / 85,162	na	na	2.25 / 8.5	fountain - water
160-52051	8,12	<b>QT-1+</b>	5 / 0.5 Micron	22,500 / 85,162	na	na	2.25 / 8.5	fountain - water - combination (primary)
160-52020	8	<b>QT-2</b>	0.5 Micron	45,000 / 170,325	na	na	4.5 / 17	fountain - water
160-51005	8,12	<b>QT-2+</b>	5 / 0.5 Micron	45,000 / 170,325	na	na	4.5 / 17	fountain - water - combination (primary)
160-52030	8,12	<b>QT-3</b>	0.5 Micron	67,500 / 255,478	na	na	6.75 / 25.5	fountain - water - combination (primary)
<b>QTC Systems - Reduce Sediment, Chlorine, Taste &amp; Odor and Reduce Cysts and Turbidity.</b>								
160-52014	8	<b>QTC-1</b>	0.5 Micron/Cyst	22,500 / 85,162	na	na	2.25 / 8.5	fountain - water
160-52061	8,12	<b>QTC-1+</b>	0.5 Micron	22,500 / 85,162	na	na	2.25 / 8.5	fountain - water - combination (primary)
160-52024	8	<b>QTC-2</b>	0.5 Micron/Cyst	45,000 / 170,325	na	na	4.5 / 17	fountain - water
160-51007	8,12	<b>QTC-2+</b>	0.5 Micron	45,000 / 170,325	na	na	4.5 / 17	fountain - water - combination (primary)
160-52034	8,12	<b>QTC-3</b>	0.5 Micron/Cyst	67,500 / 255,478	na	na	6.75 / 25.5	fountain - water - combination (primary)
<b>QTI Systems - Reduce Sediment, Chlorine, Taste &amp; Odor and Inhibit Scale with IsoNet</b>								
160-52012	10	<b>QTI-1</b>	0.5 Micron	22,500 / 85,162	IsoNet 100 grams	na	2.25 / 8.5	ice - coffee - steam
160-52055	10	<b>QTI-1+</b>	5 / 0.5 Micron	22,500 / 85,162	IsoNet 100 grams	na	2.25 / 8.5	ice - coffee - steam
160-52011	10,13	<b>QTI10-1</b>	0.5 Micron	15,000 / 56,775	IsoNet 70 grams	na	1.5 / 5.7	ice - coffee - steam
160-52021	10,13	<b>QTI10-2</b>	0.5 Micron	30,000 / 113,550	IsoNet 140 grams	na	3 / 11.3	ice - coffee - steam
160-52022	10	<b>QTI-2</b>	0.5 Micron	45,000 / 170,325	IsoNet 200 grams	na	4.5 / 17	ice
160-51010	10	<b>QTI-2+</b>	5 / 0.5 Micron	45,000 / 170,325	IsoNet 200 grams	na	4.5 / 17	ice
160-52032	10	<b>QTI-3</b>	0.5 Micron	67,500 / 255,478	IsoNet 200 grams	na	6.75 / 25.5	ice
<b>QTCI Systems - Reduce Sediment, Chlorine, Taste &amp; Odor / Inhibit Scale with IsoNet and Reduce Cysts and Turbidity.</b>								
160-52016	10	<b>QTCI-1</b>	0.5 Micron/Cyst	22,500 / 85,162	IsoNet 100 grams	na	2.25 / 8.5	ice - coffee
160-52065	10	<b>QTCI-1+</b>	5 / 0.5 Micron/Cyst	22,500 / 85,162	IsoNet 100 grams	na	2.25 / 8.5	ice - coffee
160-52026	10	<b>QTCI-2</b>	0.5 Micron/Cyst	45,000 / 170,325	IsoNet 200 grams	na	4.5 / 17	ice
160-51012	10	<b>QTCI-2+</b>	5 / 0.5 Micron/Cyst	45,000 / 170,325	IsoNet 200 grams	na	4.5 / 17	ice
160-52036	10	<b>QTCI-3</b>	0.5 Micron/Cyst	67,500 / 255,478	IsoNet 300 grams	na	6.75 / 25.5	ice
<b>QT Systems - Reduce Sediment and Inhibit Scale with IsoNet.</b>								
160-52090	12	<b>QTTS10-1</b>	5 Micron	na	IsoNet 70 grams	na	2.25 / 8.5	ice - coffee - steam - combination (secondary)
<b>QT Systems - Ion Exchange Water Softening</b>								
160-52017	-	<b>QTSFT-1</b>	na	na	na	1,800 grns	1 / 3.8	espresso - tea - combination (secondary)
160-00450	14	<b>QTSFT-3</b>	10 Micron	2,500 / 9,462	na	4,500 grns	1.5 / 5.7	espresso - tea
160-00302	-	<b>EM2</b>	10 Micron	1,250 / 4,725	na	1,160 grns	0.5 / 2	espresso - tea
160-00401	-	<b>EM4</b>	10 Micron	1,250 / 4,725	na	2,560 grns	0.5 / 2	espresso - tea

## QT Cartridges 'Qwik-Twist' - Quick Sanitary Change

Item #	Cartridge Model	Description	Capacity - Gallons/Liters
<b>Reduce Sediment, Dirt &amp; Rust - Particulate Reduction.</b>			
300-05802	<b>S5-Q</b>	15" - 5 Micron PolyTriX Gradient Density Sediment Pre-Filter	na
<b>Reduce Sediment and Chlorine, Taste &amp; Odor.</b>			
300-05828	<b>CT0-Q10</b>	10" - 0.5 Micron CarbonMax - Particulate/Chlorine, Taste & Odor Reduction	15,000 / 56,775
300-05830	<b>CT0-Q</b>	15" - 0.5 Micron CarbonMax - Particulate/Chlorine, Taste & Odor Reduction	22,500 / 85,162
<b>Reduce Sediment, Chlorine, Taste &amp; Odor and Inhibit Scale with IsoNet®.</b>			
300-05829	<b>CTOS-Q10</b>	10" - 0.5 Micron CarbonMax w/IsoNet® - Particulate/Chlorine, Taste & Odor Reduction & Scale Inhibitor	15,000 / 56,775
300-55835	<b>CTOS-Q</b>	15" - 0.5 Micron CarbonMax w/IsoNet® - Particulate/Chlorine, Taste & Odor Reduction & Scale Inhibitor	22,500 / 85,162
<b>Reduce Sediment, Chlorine, Taste &amp; Odor and Reduce Cysts &amp; Turbidity.</b>			
300-05840	<b>XT0-Q</b>	15" - 0.5 Micron CarbonMax Plus - Particulate/Chlorine, Taste & Odor plus Cyst & Turbidity Reduction	22,500 / 85,162
<b>Reduce Sediment, Chlorine, Taste &amp; Odor / Inhibit Scale with IsoNet® and Reduce Cysts &amp; Turbidity.</b>			
300-05845	<b>XTOS-Q</b>	15" - 0.5 Micron CarbonMax Plus w/IsoNet® - Particulate/Chlorine, Taste & Odor plus Cyst & Turbidity Reduction	22,500 / 85,162
<b>Reduce Sediment and Inhibit Scale with IsoNet®.</b>			
300-05805	<b>PTS-Q</b>	10" - 5 Micron PolyTriX Gradient Density Sediment w/IsoNet® (70 grams) Scale Inhibitor	20,000 / 75,700
<b>Remove Hardness with Ion Exchange Water Softening.</b>			
300-05885	<b>CSFT-Q</b>	15" - 10 Micron Particulate, Chlorine, Taste & Odor Reduction / Hardness Removal (900 grains)	2,500 / 9,462
300-05890	<b>SFT-Q</b>	15" - Hardness Removal (1,800 grain capacity)	na
252-60102	<b>EM2RK</b>	EspressoMate EM2 / 2 Cartridge Replacement Kit (1,160 grains capacity)	2,000 / 7,570
252-60104	<b>EM4RK</b>	EspressoMate EM4 / 4 Cartridge Replacement Kit (2,560 grains capacity)	2,000 / 7,570

## FX Systems - Performance / Application

Item #	Page	Model	Take Out Dirt & Sediment	Reduce Chlorine Capacity gal/ltr	Inhibit Scale	Take Out Hardness	Flow Rate gpm/lpm	Application
<b>FX Systems - Reduce Sediment, Chlorine, Taste &amp; Odor.</b>								
160-50010	7	<b>FX-11</b>	0.5 Micron	15,000 / 56,775	na	na	1.5 / 5.7	fountain - water
160-50020	7	<b>FX-12</b>	0.5 Micron	30,000 / 113,550	na	na	3 / 11.3	fountain - water
160-50025	7,11	<b>FX-22</b>	0.5 Micron	30,000 / 113,550	na	na	3 / 11.3	fountain - water - combination (primary)
160-50030	7	<b>FX-22P</b>	0.5 Micron	60,000 / 227,100	na	na	6 / 22.7	fountain - water
160-50035	7,11	<b>FX-22P+</b>	5 / 0.5 Micron	60,000 / 227,100	na	na	6 / 22.7	fountain - water - combination (primary)
160-50022	-	<b>FX-12B</b>	0.5 Micron	50,000 / 189,250	na	na	5 / 18.9	fountain - water
<b>FXI Systems - Reduce Sediment, Chlorine, Taste &amp; Odor and Inhibit Scale with IsoNet.</b>								
160-50105	9,13,16	<b>FXI-11</b>	0.5 Micron	15,000 / 56,775	IsoNet 70 grams	na	1.5 / 5.7	ice - coffee - steam
160-50110	9,16	<b>FXI-12</b>	0.5 Micron	30,000 / 113,550	IsoNet 140 grams	na	3 / 11.3	ice - coffee - steam
160-50115	9	<b>FXI-22</b>	0.5 Micron	30,000 / 113,550	IsoNet 140 grams	na	3 / 11.3	ice - coffee - steam
160-50120	9	<b>FXI-22P</b>	0.5 Micron	60,000 / 227,100	IsoNet 280 grams	na	6 / 22.7	ice
160-50125	9	<b>FXI-22P+</b>	5 / 0.5 Micron	60,000 / 227,100	IsoNet 280 grams	na	6 / 22.7	ice
<b>FXTS Systems - Reduce Sediment and Inhibit Scale with IsoNet.</b>								
160-50003	11	<b>FXTS-11</b>	5 Micron	na	IsoNet 70 grams	na	2.5 / 9.5	ice - coffee - steam - combination (secondary)
160-50004	11	<b>FXTS-12</b>	5 Micron	na	IsoNet 140 grams	na	5 / 18.9	ice - coffee - steam - combination (secondary)
<b>FXWS Systems - Ion Exchange Water Softening</b>								
160-00520	14	<b>FXWS-12B</b>	10 Micron	na	na	5,200 grains	2 / 7.6	espresso - tea - combination (secondary)
<b>FXAF Systems - Provide Added Protection Against Sediment/</b>								
160-50305	19	<b>FXAF-12</b>	5 Micron	na	na	na	5 / 18.9	additional pre-filtration
160-50340	19	<b>FXAF-12B</b>	5 Micron	na	na	na	8 / 30.2	additional pre-filtration
<b>FX Systems - Reduce Sediment, Chlorine, Chloramine, Taste &amp; Odor.</b>								
160-50049	19	<b>FX-22BCMR</b>	5 Micron	25,000 / 94,625	na	na	3.4 / 12.9	fountain - combination (primary)
<b>FX Systems - Mineral Adjustment</b>								
160-50008	19	<b>FXMA-11</b>	na	na	na	na	1 / 3.8	espresso - AMS

## FX Cartridges - 'Drop In'

Item #	Cartridge Model	Description	Capacity - Gallons/Liters
<b>Reduce Sediment, Dirt, Rust - Particulate Reduction.</b>			
252-10110	<b>S5-10</b>	10" - 5 Micron PolyTriX Gradient Density Sediment Pre-Filter	na
252-10120	<b>S5-20</b>	20" - 5 Micron PolyTriX Gradient Density Sediment Pre-Filter	na
252-10410	<b>S5-20B</b>	20" x 4.5" - 50 to 5 Micron PolyTriX Dual-Density Sediment Pre-Filter	na
<b>Reduce Sediment and Chlorine, Taste &amp; Odor.</b>			
252-20110	<b>CTO-10</b>	10" - 0.5 Micron CarbonMax Particulate/Chlorine, Taste & Odor Reduction	15,000 / 56,775
252-20120	<b>CTO-20</b>	20" - 0.5 Micron CarbonMax Particulate/Chlorine, Taste & Odor Reduction	30,000 / 113,550
252-20420	<b>CTO-20B</b>	20" x 4.5" - 0.5 Micron CarbonMax Particulate/Chlorine, Taste & Odor Reduction	50,000 / 189,250
252-20605	<b>CCM-20B</b>	20" x 4.5" - Chloramine Reduction Media	10,000 / 37,850
<b>Reduce Sediment, Chlorine, Taste &amp; Odor and Inhibit Scale with IsoNet®.</b>			
252-20210	<b>CTOS-10</b>	10" - 0.5 Micron CarbonMax Particulate/Chlorine, Taste & Odor Reduction / IsoNet® (70 grams) Scale Inhibitor	15,000 / 56,775
252-20220	<b>CTOS-20</b>	20" - 0.5 Micron CarbonMax Particulate/Chlorine, Taste & Odor Reduction / IsoNet® (140 grams) Scale Inhibitor	30,000 / 113,550
<b>Reduce Sediment and Inhibit Scale with IsoNet®.</b>			
252-10810	<b>PTS-10</b>	10" - 5 Micron PolyTriX Gradient-Density Sediment / IsoNet® (70 grams) Scale Inhibitor	20,000 / 75,700
252-10820	<b>PTS-20</b>	20" - 5 Micron PolyTriX Gradient-Density Sediment / IsoNet® (140 grams) Scale Inhibitor	40,000 / 151,400
<b>Ion Exchange Water Softening</b>			
252-60040	<b>WSB-20</b>	20" x 4.5" - Hardness Removal (5,200 grains capacity)	na
<b>Mineral Adjustment</b>			
300-01612	<b>OP-CA-97</b>	10" Mineral Adjustment Cartridge	10,000 / 37,850



## ScaleX2 Systems - Performance / Application

Item #	Page	Model	Take Out Dirt & Sediment	Reduce Chlorine Capacity gal/ltr	Inhibit Scale	Take Out Hardness	Flow Rate gpm/lpm	Application
<b>Reduce Sediment, Chlorine, Taste &amp; Odor and Inhibit Scale with ScaleX2®.</b>								
160-00350	13,16	<b>SX2-21</b>	0.5 Micron	15,000 / 56,775	ScaleX2	na	1.5 / 5.7	coffee - boiler/steam generator
160-50142	13,16	<b>SX2-22</b>	0.5 Micron	30,000 / 113,550	ScaleX2	na	3 / 11.3	coffee - boiler/steam generator
160-50143	16	<b>SX2-22B</b>	5 Micron	50,000 / 189,250	ScaleX2	na	5 / 18.9	steam - tankless water heater
<b>Inhibit Scale with ScaleX2®.</b>								
160-50131	18	<b>SX2-11</b>	na	1 year	ScaleX2	na	1.5 / 5.7	coffee - steam - combination (secondary)
160-50133	18	<b>SX2-12</b>	na	1 year	ScaleX2	na	3 / 11.3	coffee - steam - combination (secondary)
160-50144	-	<b>SX2-12B</b>	na	1 year	ScaleX2	na	5 / 18.9	steam - tankless water heater

## ScaleX2 Replacement Cartridges - 'Drop-In'

Item #	Model	Description	CTO Capacity gallons/liters
<b>Reduce Sediment, Chlorine, Taste &amp; Odor and Inhibit Scale with ScaleX2®.</b>			
252-60110	<b>SX21RK</b>	Two Cartridge Replacement Kit (CTO-10 & SCLX2-1)	15,000 / 56,775
252-60115	<b>SX22RK</b>	Two Cartridge Replacement Kit (CTO-20 & SCLX2-2)	30,000 / 113,550
252-60124	<b>SX22BRK</b>	Two Cartridge Replacement Kit (CTO-20B x SCLX2-4)	50,000 / 189,250
<b>Inhibit Scale with ScaleX2®.</b>			
252-60205	<b>SCLX2-1</b>	10" - ScaleX2® Replacement Cartridge - Scale Inhibitor	One Year
252-60210	<b>SCLX2-2</b>	20" - ScaleX2® Replacement Cartridge - Scale Inhibitor	One Year
252-60220	<b>SCLX2-4</b>	20" - (High Flow) ScaleX2® Replacement Cartridge - Scale Inhibitor	One Year

*OptiPure can provide replacement cartridges for applications and systems in addition to those listed in this catalog. Many of our cartridges offer greater performance than more expensive competitive products. Contact your OptiPure Dealer or customer service for information and pricing.*

## Miscellaneous OptiPure Replacement Cartridges

Item #	Model	Description	Capacity gallons / liters
<b>Reduce Sediment, Dirt, Rust - High Efficiency - Particulate Reduction</b>			
252-10010	<b>S1-10</b>	10" - 1 Micron PolyTriX Gradient Density Sediment Pre-Filter	na
252-10020	<b>S1-20</b>	20" - 1 Micron PolyTriX Gradient Density Sediment Pre-Filter	na
252-10125	<b>S5-19.5</b>	19.5" - 5 Micron PolyTriX Gradient Density Sediment Pre-Filter	na
252-10405	<b>S1-20B</b>	20" x 4.5" - 25 to 1 Micron Dual-Density Sediment Pre-Filter	na
<b>Reduce Sediment, Chlorine, Taste &amp; Odor - High Dirt-Loading - High Efficiency</b>			
252-20125	<b>CTO-19.5</b>	19.5" - 0.5 Micron CarbonMax - Particulate/Chlorine, Taste & Odor Reduction	30,000 / 113,550
252-20410	<b>CTO-10B</b>	10" x 4.5" - 5 Micron CarbonMax - Particulate/Chlorine, Taste & Odor Reduction	25,000 / 94,625
<b>Reduce Sediment, Chlorine, Taste &amp; Odor and Inhibit Scale with IsoNet® - High Dirt-Loading - High Efficiency</b>			
252-20225	<b>CTOS-19.5</b>	19.5" - 0.5 Micron CarbonMax w/IsoNet® - Particulate/Chlorine, Taste & Odor Reduction & Scale Inhibitor	30,000 / 113,550
252-20510	<b>CTOS-10B</b>	10" x 4.5" - 5 Micron CarbonMax w/IsoNet® - Particulate/Chlorine, Taste & Odor Reduction & Scale Inhibitor	25,000 / 94,625
252-20520	<b>CTOS-20B</b>	20" x 4.5" - 5 Micron CarbonMax w/IsoNet® - Particulate/Chlorine, Taste & Odor Reduction & Scale Inhibitor	50,000 / 189,250
<b>Reduce Sediment and Inhibit Scale with IsoNet®</b>			
252-10807	<b>PTS-7</b>	7" - 5 Micron PolyTriX Gradient Density Sediment/IsoNet® (70 grams) Scale Inhibitor	15,000 / 56,775
252-10808	<b>PTS-8</b>	8" - 5 Micron PolyTriX Gradient Density Sediment/Isonet® (70 grams) Scale Inhibitor	15,000 / 56,775
<b>Water Softening Cartridges - Hardness Removal</b>			
252-60010	<b>WS-10</b>	10" - Ion Exchange Resin Cartridge - Upflow	1,000 grains
252-60020	<b>WS-20</b>	20" - Ion Exchange Resin Cartridge - Upflow	2,200 grains
<b>Inhibit Scale &amp; Corrosion with ScaleX - Polyphosphate-based</b>			
252-30010	<b>SCLX-10</b>	10" ScaleX Cartridge - Scale Inhibitor	10,000 / 37,850
252-30020	<b>SCLX-20</b>	20" ScaleX Cartridge - Scale Inhibitor	20,000 / 75,700

**Compare the Performance . . .  
. . . Measure the Difference**

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