

Water Treatment Selection Guidelines

STEP 1 – Understand the basic water characteristics of your water

Compare water quality at your location to the **Cleveland Water Quality Requirements** listed here.

- Contact your water company for information about the quality of your water.
- Cleveland can provide a complete water analysis through an independent laboratory

WATER QUALITY REQUIREMENTS

CLEVELAND WATER QUALITY REQUIREMENTS			
TDS:	50-250 ppm	Cl ₂ (free chlorine):	max 0.1 ppm
Hardness:	50 - 200 ppm (3 - 12 gpg)	Fe (iron):	max 0.1 ppm
pH value:	7.0 - 8.5	SiO ₂ (silica):	max 13 ppm
CL (Chloride):	max 50 ppm	NH ₂ Cl (monochloramine):	max 0.1 ppm

STEP 2 - Selecting the right system for your equipment

- Determine if your water meets or does not meet Cleveland water quality requirements and select the right system for your applications.

CLEVELAND STEAMER MODEL	WATER QUALITY		
	MEETS STANDARD		DOES NOT MEET STANDARD
	ALL APPLICATIONS	HARDNESS ABOVE 170 PPM, pH IS below 8.5 ph	ALL APPLICATIONS
STEAMCHEF SERIES (BOILERLESS)			
22CET3.1, (6.1), 22CGT3.1 (6.1)	QTI1-CR	QTSX-2PG	OP175/16
STEAMCRAFT (GENERATORS)			
21CET8,	QTI1-CR	QTSX-2PG	OP175/16
21CET16	QTI1-CR	QTSX-2PG	OP350/16
21CGA5	QTI1-CR	QTSX-2PG	OP350/16
6-10 PAN MODELS (GENERATORS)			
24CGA6.2S	QTI1-CR	QTSX-2PG	OP350/16
24CGA10.2ES Energy Star	QTI1-CR	QTSX-2PG	OP350/16
24CGA10	QTI1-CR	QTSX-2PG	OP350/50
24CGA10.2	QTI1-CR	QTSX-2PG	OP350/50
24CEA10	QTI1-CR	QTSX-2PG	OP350/50
24CGP10	QTI1-CR	QTSX-2PG	BWS1500/50
CLASSIC CONVECTION SERIES (BOILER)			
200,000 BTU Boilers (24CGM200)	QTI1-CR	QTSX-2PG	BWS1500/50
300,000 BTU Boilers (36CGM300)	QTI1-CR	QTSX-2PG	BWS1500/50
24kW Boilers (24CEM)	QTI1-CR	QTSX-2PG	OP350/50
36kW, 48 kW Boilers (24CEM)	QTI1-CR	QTSX-2PG	BWS1500/50
24 kW Boilers PEM24	QTI1-CR	QTSX-2PG	OP350/50
36kW Boilers PEM36	QTI1-CR	QTSX-2PG	BWS1500/50
48 kW Boilers PEM48	QTI1-CR	QTSX-2PG	BWS1500/50

Optipure OP Series systems utilize reverse osmosis (RO) to remove total dissolved solids (TDS) from water, including chlorides and hardness mineral. Then balance of minerals is introduced into the pure water to provide desirable "Optimized" water with a stable, non-aggressive nature that can significantly reduce water-related equipment problems including corrosion and scale.

Optipure QTI1-CR recommended for Cleveland steamers with steam generators reduces chlorine/chloramines and takes out sediment down to ½ micro and includes IsoNet™ scale inhibitor.

Optipure QTSX2-PG recommended for use with steam generators, reduces chlorine and takes out sediment down to ½ micron. ScaleX2 uses "template assisted crystallization" to effectively minimize scale formation at high hardness levels.

Water Quality Test Kit Part
No: 1150360

List Price \$140.00



OPTIPURE WATER FILTERS - CLEVELAND STEAMERS

MODEL #	DESCRIPTION	Dec. 2017 LIST PRICE
WATER TREATMENT FOR COUNTERTOP AND FLOOR MODEL STEAMERS		
QT11-CR	The QT11+CR is a dual-cartridge water treatment system, reduce sediment over 0.5 microns, reduce chlorine. The system includes IsoNet®, patented scale-inhibiting technology. PN# 160-52081 System Includes: - (1) CTOS-QCR Catalytic Carbon Scale Inhibitor Filter (300-05832) - (1) CTO-Q10 sediment activated carbon filtration (300-05828)	\$710
QT11-CR Filter Accessories		
CTO-Q10	Replacement Cartridge #300-05828 for QT11-CR	\$140
CTOS-QCR	Replacement Cartridge #300-05832 for QT11-CR	\$210
1150360	H2O Water Quality Test Kit (180-80181)	\$140



MODEL #	DESCRIPTION	Dec. 2017 LIST PRICE
WATER TREATMENT FOR COUNTERTOP AND FLOOR MODEL STEAMERS - HARDENSS (+170 PPM)		
QTSX-2PG	The QTSX-2PG is a dual-cartridge water treatment system for High Hardness applications, reduce sediment over 0.5 microns, reduce chlorine. The system includes ScaleX2 Cartridge, CT-Q sediment cartridge. (PN# 160-52822) System Includes: - (1) CTO-Q Sediment Cartridge (300-05830) - (1) SCLX2 ScaleX2 cartridge (300-05860)	\$860
QTSX-2PG Filter Accessories		
CTO-Q	Replacement Cartridge (300-05830), CTO-Q Sediment carbon	\$165
SCLX2-Q	Replacement Cartridge (300-05860) SCLX2 ScaleX2 Scale Inhibitor	\$270
1150360	H2O Water Quality Test Kit (180-80181)	\$140





MODEL #	DESCRIPTION	Dec. 2017 LIST PRICE
REVERSE OSMOSIS FILTER WITH MINERAL ADDITION FOR COUNTER TOP STEAMERS		
OP70CR/5	70 Gallon per day Reverse Osmosis Filter with 5 gallon storage tank. (PN# 160-01005) System Includes: - (1) Prefilter # (300-05828) - (1) Chloramine Filter (300-05821) - (1) AMS Membrane # (204-52810) - (1) Mineral Addition Filter # (252-70260)	\$2,120
OP70/5 Filter Accessories		
CTO-Q10	Prefilter # (300-05828)	\$140
CTO-Q10CR	Chloramine Filter (300-05821)	\$200
AMS-QT10	AMS Membrane # (204-52810)	\$295
252-70260	Mineral Addition Filter # (252-70260)	\$50
1150360	H2O Water Quality Test Kit (180-80181)	\$140





MODEL #	DESCRIPTION	Dec. 2017 LIST PRICE
REVERSE OSMOSIS FILTER WITH MINERAL ADDITION FOR COUNTER TOP STEAMERS		
OP70CR/10	70 Gallon per day Reverse Osmosis Filter with 10 gallon storage tank. PN# 164-01005 System Includes: - (1) Prefilter # (300-05828) - (1) Chloramine Filter (300-05821) - (1) AMS Membrane # (204-52810) - (1) Mineral Addition Filter # (252-70260)	\$2,320
OP70/10 Filter Accessories		
CTO-Q10	Prefilter # (300-05828)	\$140
CTO-Q10CR	Chloramine Filter (300-05821)	\$200
AMS-QT10	AMS Membrane # (204-52810)	\$295
252-70260	Mineral Addition Filter # (252-70260)	\$50
1150360	H2O Water Quality Test Kit (180-80181)	\$140



MODEL #	DESCRIPTION	Dec. 2017 LIST PRICE		
REVERSE OSMOSIS FILTER WITH MINERAL ADDITION				
OP175/16	175 Gallon per day Reverse Osmosis Filter with 16 gallon storage tank. (PN# 164-00216) System Includes: - (2) CTO-Q10 Pre Filter (300-05828) - (1) AMS-QT Membrane (204-52820) - (1) MA-Q10 Post-Treatment Filter (300-05850)	\$5,870		
OP175/16 Options				
BPA200	BPA200 Booster Pump Assembly 164-85015	\$1,450		
FXPT-11CR	FXPT-11CR Chloramine Reduction System 160-50011	\$280		
164-89938	PRV Pressure Reducing Valve	\$300		

MODEL #	DESCRIPTION	Dec. 2017 LIST PRICE		
REVERSE OSMOSIS FILTER WITH MINERAL ADDITION				
OP350/16	350 Gallon per day Reverse Osmosis Filter with 16 gallon storage tank. (PN# 164-14416) System Includes: - (2) CTO-Q Pre Filter (300-05830) - (1) AMS-QT-15 Membrane (204-53040) - (1) MA-Q15 Post-Treatment Filter (300-05855)	\$6,850		
OP350/16 Options				
164-89905	Approved Air Gap Kit for Drain Line	\$170		
BPS-QT	BPS-QT Feed Booster Pump Assembly 164-85020	\$1,450		
FXPT-11CR	FXPT-11CR Chloramine Reduction System 160-50011	\$280		

MODEL #	DESCRIPTION	Dec. 2017 LIST PRICE		
REVERSE OSMOSIS FILTER WITH MINERAL ADDITION				
OP350/50	350 Gallon per day Reverse Osmosis Filter with 50 gallon storage tank. (PN# 164-14450) System Includes: - (2) CTO-Q Pre Filter (300-05830) - (1) AMS-QT-15 Membrane (204-53040) - (1) MA-Q15 Post-Treatment Filter (300-05855)	\$8,110		
OP350/50 Options				
164-89905	Approved Air Gap Kit for Drain Line	\$170		
BPS-QT	BPS-QT Feed Booster Pump Assembly 164-85020	\$1,450		
FXPT-11CR	FXPT-11CR Chloramine Reduction System 160-50011	\$280		

MODEL #	DESCRIPTION	Dec. 2017 LIST PRICE		
REVERSE OSMOSIS FILTER WITH MINERAL ADDITION				
BWS1500/50	1,500 Gallon per day Reverse Osmosis Filter with 50 gallon storage tank. (PN# 160-15550) System Includes: - (3) CTO-Q Pre Filter (300-05830) - (1) AMS Membrane (204-44021) - (1) MA-Q15 Post-Treatment Filter (300-05855)	\$14,900		
BMS1500/50 Options				
164-89905	Approved Air Gap Kit for Drain Line	\$170		
FXPT-11CR	FX-11CR Chloramine Reduction System 160-50011	\$280		