



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	OPS175CR/16
STEAMCRAFT (GENERATORS)			
21CET8,	QTI1-CR	QTSX-2PG	OPS175CR/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

