

WATER TREATMENT & WATER TESTING

It is essential to properly treat the water used to generate steam in your Cleveland Steamer or Convotherm Combi oven to maintain the condition, operating efficiency and life of equipment. Proper water treatment protects equipment against damaging scale and corrosion. In some cases, elevated levels of dissolved minerals require the use of more extensive treatment to remove harmful contaminants.

It is the sole responsibility of the owner/operator/purchaser to understand the water quality at their location and to provide appropriate water treatment to ensure Cleveland Water Quality Requirements are met. Otherwise the original equipment warranty is void. The H2O Test Express kit is designed to help choose the best OptiPure solution for your equipment.

WELBILT OVENS - WATER QUALITY REQUIREMENTS

WATER QUALITY REQUIREMENTS	CLEVELAND STEAMERS	CONVOTHERM COMBI'S (BOILERLESS)	CONVOTHERM COMBI'S (GENERATOR)
TDS:	50 - 250 ppm	50 - 150 ppm	50 - 360 ppm
Hardness:	50 - 200 ppm (3 - 12 gpg)	70 - 125 ppm (4 - 7.3 gpg)	70 - 360 ppm (4 - 21 gpg)
pH Value:	6.5 - 8.5 units	6.5 - 8.5 units	6.5 - 8.5 units
CL (Chloride):	Max. 50 ppm	Max. 50 ppm	Max. 50 ppm
Fe (Iron):	Max. 0.1 ppm	Max. 0.1 ppm	Max. 0.1 ppm
SiO ₂ (Silica):	Max. 13 ppm	Max. 13 ppm	Max. 13 ppm
CL ₂ (Free Chlorine):	Max. 0.1 ppm	Max. 0.1 ppm	Max. 0.1 ppm
NH ₂ Cl (Monochloramine):	Max. 0.1 ppm	Max. 0.1 ppm	Max. 0.1 ppm

H2O EXPRESS TEST KIT INSTRUCTIONS

The H2O Test Express kit contains:

- Three 50mL water sample vials to be filled and mailed to OptiPure for testing. (Address on return envelope label and listed below)
- Four water test strips: (1) Total Chlorine, (1) Total Hardness & Alkalinity, (1) pH Check, and (1) Chlorine.

INSTRUCTIONS

Step 1 - Complete the Test Results Form (attached), **MUST INCLUDE TEST LOCATION, CUSTOMER AND DEALER CONTACT INFORMATION.**

Step 2 - List all **Equipment Models to be Serviced** and note any additional information relevant to the installation.

Step 3 - Complete on-site testing using the **Test Strip Field Water Test Kit** instructions included in kit. Enter the results for each test under **On-Site Test Results.**

Step 4 - Fill the three water sample vials from the cold water supply to be connected to the oven.

Step 5 - Mail H2O Express Test Results Form and the water sample vials in the pre-addressed envelope provided.



H2O Express Test Lab
101 South Gary Avenue, Suite A
Roselle, IL 60172

Strongly Recommended: Ship by a Trackable Method, i.e. Priority Mail, UPS, or FedEx

H2O EXPRESS TEST RESULTS FORM

TEST LOCATION, CUSTOMER AND DEALER INFORMATION

TEST LOCATION NAME	ADDRESS	CITY	STATE	ZIP CODE
CUSTOMER CONTACT NAME		CUSTOMER EMAIL ADDRESS	CUSTOMER PHONE NUMBER	
SERVICE AGENCY CONTACT NAME		SERVICE AGENCY EMAIL ADDRESS	SERVICE AGENCY PHONE NUMBER	
DEALER/REP GROUP NAME		DEALER/REP GROUP EMAIL ADDRESS	DEALER/REP GROUP PHONE NUMBER	

EQUIPMENT MODELS TO BE SERVICED

MODEL/PART NUMBER
NOTES

WATER TESTING RESULTS

FIELD TEST STRIPS	ON-SITE TEST RESULTS	LAB ANALYSIS	OPTIPURE TEST RESULTS
pH	UNITS	TDS	PPM
TOTAL ALKALINITY	PPM	CHLORIDE	PPM
TOTAL HARDNESS	GPG	TOTAL ALKALINITY	PPM
TOTAL CHLORINE	PPM	TOTAL HARDNESS	GPG
FREE CHLORINE	PPM	SILICA	PPM
		CHLORAMINES (CALCULATED)	PPM
ON-SITE TESTER NAME	DATE OF TESTING	OPTIPURE TESTER NAME	DATE OF TESTING

OPTIPURE SYSTEM RECOMMENDATIONS

RECOMMENDATION MADE BY:	DATE:
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The purpose of this water analysis is to help select the best water treatment solution for a specific application based upon the water quality parameters presented here and proven technologies to help protect equipment against undesirable water characteristics. Many variables can influence the overall impact water will have on equipment condition including proper equipment operation, cleaning procedures and routine maintenance requirements. OptiPure is not liable for the accuracy of data collected on-site or for equipment condition at any time. Consult with your equipment Dealer or Manufacturer for further assistance selecting and sizing the right solution for your application.