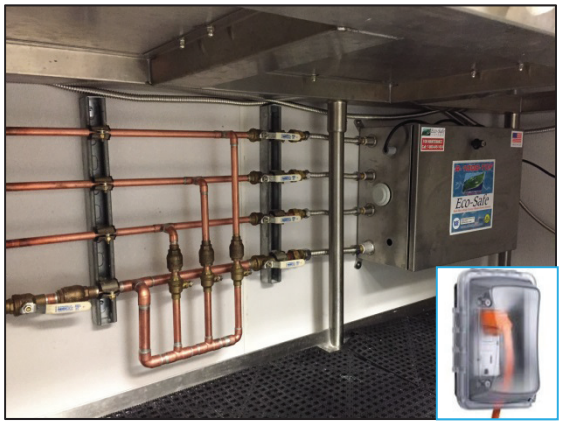
R-1000-3S Ozone Install Guide

Location

Install ozone unit within 15’ from of point of use. Faucets to receive Ozone are 2qty faucets at the 2-comp sink and 1qty at prep hand sink. The unit should be protected against abuse with 6” clearance for ventilation (excluding back side of unit). Mounting under prep kitchen table in corner is most preferable. The service door must open freely with no obstructions for service.



Electrical

- Ozone unit to be located near outlet if possible with 110/220 VAC – 15 amp outlet, grounded. Use of extension cord not permitted .
- Power source to have a bubble cover installed to protect duplex from water damage and make it difficult for the power cord from getting pulled from outlet
- Electrical cord from Ozone machine to be secured to wall and protect against abuse.

Plumbing

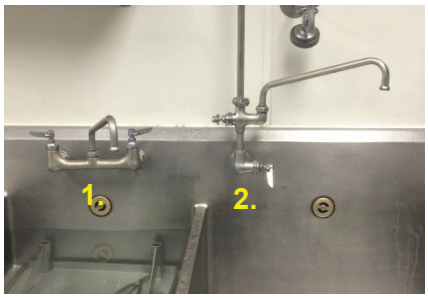
Incoming water supply to ozone unit must be ¾ inch diameter with minimum water pressure of 50psi.
Faucets and spray nozzle fed by the ozone unit to be a ½ “water line.

Installation Detail

- By-pass and shutoff valves are required for serviceability from water supply to ozone unit and to point of use faucets. See attached detail drawing.
- Install a ¾” water line from a cold water supply to the ozone unit. Corrugated stainless steel hose preferred *
- Independent runs of corrugated stainless steel ½” hose * preferred from ozone unit to point of use faucets: Prep-Hand sink, 2-Comp standard faucet and Pre-Rinse. Exhibit-1

Exhibit-1

Prep Hand Sink



2-Comp Sink
Standard Faucet -1. & Pre-Rinse-2.

Plumbing Installation Detail (Continued)

Exhibit-2

- All piping to be secured to the wall and protected/ guarded against abuse. Tuck plumbing lines under counter backsplash for protection when able being sure to using stand off plumbing line mounts. When drilling holes into wall be mindful and set drill bit depth to prevent potential damage to water and electrical pipes found behind wall. Exhibit -2

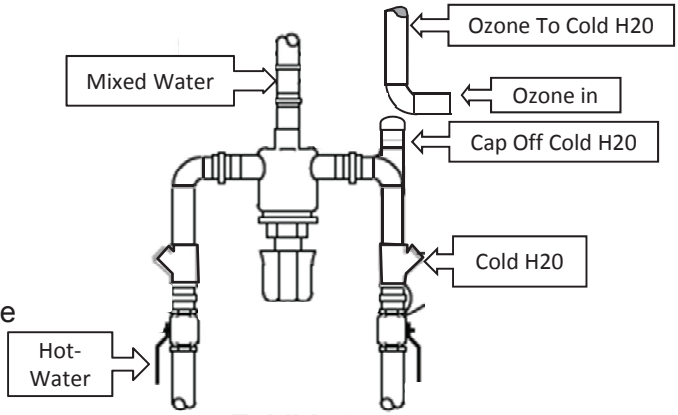
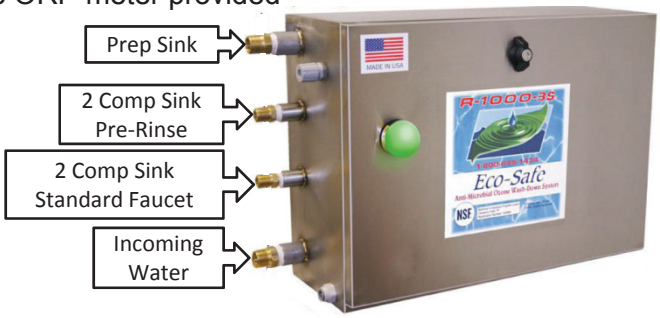


Exhibit-3

- New Ozone water line to be plumbed into cold water side of the hand sink faucet. Plumb mixing valve so that city cold water line that once led to the faucet is capped/abandon but is still supplying cold water to the mixing valve. See Exhibit -3.
- 2-comp sink faucets (2qty fixtures) to be plumbed with Ozone water feeding
- the cold water to both faucets. Hot water plumbing to remain as is.
- Turn on cold water supply to the ozone unit and test for leaks at system and all faucet connections.
- Validate plumbing lines are run in such a way that they are protected from any abuse of daily operation. Stainless steel U-channel chase may be needed over plumbing lines, see Exhibit 1 for example.
- Run the system for 5 minutes to fill the unit's water lines & prime the ozone unit.
- Check the ORP Levels with a digital handheld meter (provided by installer at time of install) Validate it is operating at 800 to 850. If the ORP level is outside the 800 to 850 call for service. Once job is complete hand the ORP meter provided by Ecosafe to the General Manager

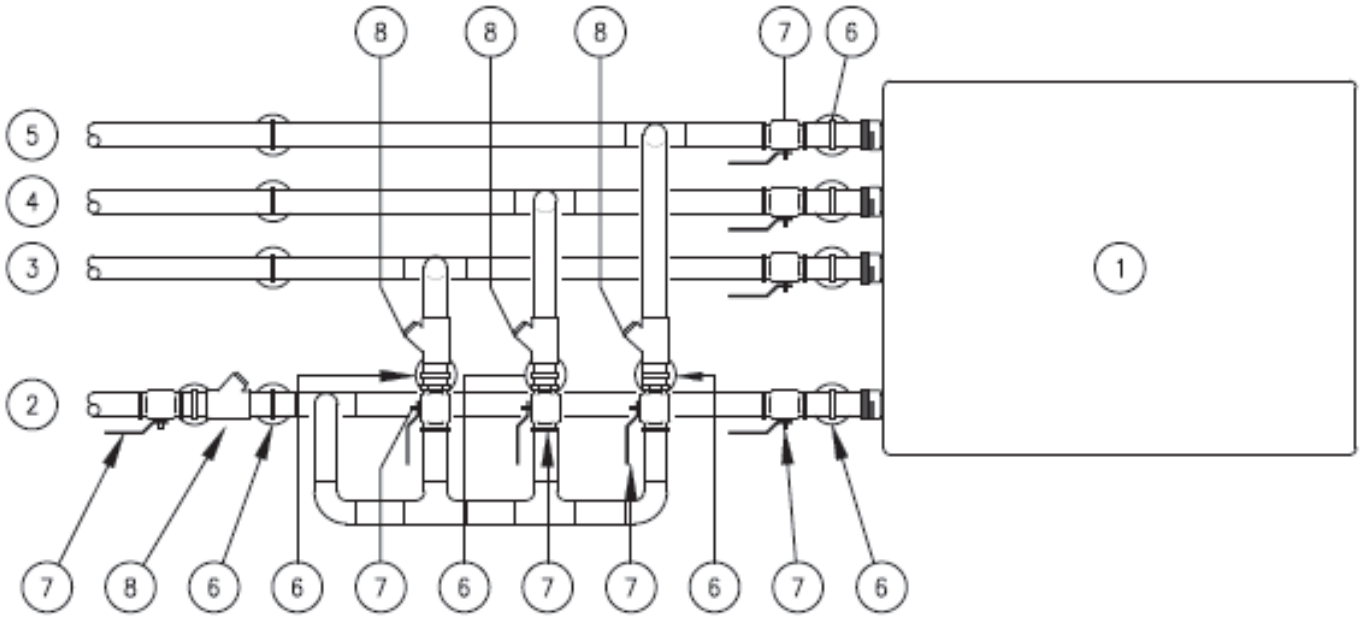


Technical Support

- 8 0 0 -6 4 9-1 4 3 4

Special Note

Corrugated hose is the preferred hose to deliver Ozinated water from unit to the faucets as it adjutants the water and provides a more favorable product. PVC, Copper and stainless braided hose is a suitable alternative.



LEGEND

*ALL ITEMS PROVIDED BY PLUMBING CONTRACTOR UNLESS NOTED OTHERWISE.

(1) ECOSAFE SYSTEMS MODEL #R-100-3S (PROVIDED BY TCF, INSTALLED BY P.C.)

(2) OZONE UNIT CW SUPPLY (3/4" SUPPLY LINE)

(3) TWO-COMPARTMENT SINK CW(O) SUPPLY (1/2" SUPPLY LINE)

(4) TWO-COMPARTMENT SINK CW(O) SUPPLY (1/2" SUPPLY LINE)

(5) HAND SINK CW(O) SUPPLY (1/2" SUPPLY LINE)

(6) PIPE SUPPORT

(7) 1/4 TURN BALL VALVE

(8) NIBCO #S-480-Y-LF CHECK VALVE

ITEMS #103, 112, & 122 SHALL BE ROUTED AS "HOME-RUNS" TO EACH FAUCET - DO NOT MANIFOLD PIPING TOGETHER INTO ONE MAIN BRANCH TO EACH OF THE THREE FAUCETS.

SEE SHEET P3.0b OF THE PLUMBING DRAWINGS FOR ALL REQUIRED PIPE SIZES TO AND FROM OZONE SYSTEM.

SUPPLY LINES, POINT-OF-USE LINES, ALONG WITH THE OZONE BY-PASS WITH BE MADE READY BY THE G.C./SUB-CONTRACTOR.