



The AmeriWater Ozone System

A highly effective disinfection system that...

- ◆ Out performs chemical disinfection
- ◆ Reduces disinfection time
- ◆ Lowers operating costs

Disinfecting bicarbonate and dialysis water systems usually means measuring and mixing chemicals, running them through the dialysis water loop, rinsing out the chemicals, which takes time, and then carefully verifying there are no residuals left in the loop.

Don't you have more productive things to do?

With the AmeriWater Ozone Disinfection System, you simply hook up a portable, self-contained unit to your dialysis water loop and turn it on. In less than two hours, your system is totally disinfected - and there are no chemicals to clean up and dispose of. Ozone will revert back to oxygen in three hours so no residual remains...and no rinse, repeat, and verifying cycle is necessary.

No chemicals are needed

AmeriWater's Ozone Disinfection System saves money by eliminating the need to purchase expensive chemicals. No more hassle of storing, transporting, measuring, mixing and disposing of powerful chemicals.

Superior disinfection

Ozone has greater disinfection effectiveness against bacteria compared to chemicals (50% stronger and 3,000 times faster). Microorganisms cannot build up a tolerance to ozone. It is also highly effective in reducing endotoxin and biofilm, greatly improving water quality.

Cost effective alternative

Retrofitting an existing water treatment system to a new heat system can be a very cost prohibitive endeavor. It requires much more power and a new loop and wall boxes have to be installed. A cost effective alternative is the AmeriWater Ozone System that can be adapted to any water system with a storage tank. Quick connect connectors with shut offs enable easy connection. This portable and compact unit can be moved from bicarb to water systems or center to center.



Ozone:

A highly effective, safe and economical method for disinfection

Ozone is a thorough and able killer of bacteria, yet is harmless to the environment. Ozone also reduces endotoxin and biofilm. While oxygen consists of just two atoms (O_2), ozone (O_3) is formed when three atoms of oxygen are combined. The ozone molecule is highly unstable and thus extremely reactive, with an oxidation potential that is the highest commercially available. Ozone is environmentally friendly and classified GRAS (Generally Recognized as Safe) by the FDA (Food and Drug Administration - USA).

The only portable ozone on the market that is FDA Cleared for both water and bicarb systems

The AmeriWater Ozone System

SPECIFICATIONS	
Model	0077-0010
Ozone Output	10 Grams Per Hour (Oxygen)
Electrical Requirement	115V, 60Hz, 3 Amps
Power Consumption	275 Watts
Indicators	RPC E-Z Chek® Ozone in Water Test Strips (K100-0111)
	Water Feed Flow Meter GPM (Gallons Per Minute)
	Oxygen Flow Meter (SCFH) With Flow Control Valve (Standard Cubic Feet Per Hour)
	Injector Vacuum Gauge (Inches of Mercury)
Dimensions In.	15 W x 24 D x 35 H
Weight Lbs.	70

SAFETY

- Ozone Safety Vacuum Switch prevents ozone generator from operating without the proper ozone draw (vacuum).
- Ozone Overload Switch shuts ozone generator off when the system begins to overheat.
- Door Switch kills power to the system when door is not in place.
- Ozone Gass-Off Destruct Device eliminates excess ozone gas.

CERTIFICATIONS:

- Entire device conforms to IEC UL standard 61010-1
- FDA 510K / ISO 13485 Registered Medical Device
- Health Canada Medical Device License 91405

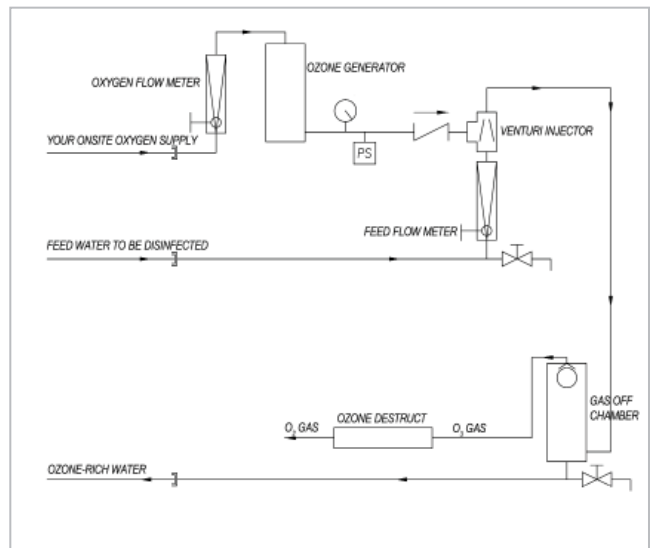
FLOW PATH:

Your onsite oxygen supply flows through the oxygen flow valve and oxygen flow meter passing through the ozone generator, which produces ozone utilizing a high-tech corona discharge process.

The driving force of the Ozone System is the pump on either the bicarb system or water distribution loop. A quick connect bypass arrangement is utilized to divert the flow into the Ozone System, then back to the loop.

The water to be disinfected is pumped into the system through the feed flow meter, then into the venturi injector, which injects ozone gas into the water flow.

The ozone rich water enters the gas off chamber to remove any excess, undissolved ozone gas and then is directed into the water system to be disinfected. The ozone gas collected in the gass off chamber is vented automatically to the ozone gas destruct chamber and destroyed.



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