



ClearWater Tech

## POINT-OF-ENTRY WELL WATER HOLDING TANK SYSTEM



### POE-HT

#### Corona Discharge Ozone System

ClearWater Tech's POE1000HT Well Water Holding Tank System offers superior oxidation and disinfection in a compact package. The systems are designed for use with a fresh water holding tank to reduce hydrogen-sulfide, iron manganese, microbes, and other contaminants within the water supply.

The Well-Water Holding Tank System is designed with ambient air supplied corona discharge ozone generation, and a stainless steel submersible pump, which are controlled by the ozone systems multi-set point 24-hour digital timer. The submersible pump also incorporates a float switch to prevent its cavitation in a low water scenario.

#### FEATURES

- Water Resistant Enclosure
- Corona Discharge Ozone Generation
- Digital Multi-set Point 24-Hour Timer
- System Controlled Stainless Steel
- Submersible Pump, 1/3 HP
- Low Limit Float Switch
- Kynar Mazzei Venturi

#### APPLICATIONS

- Fresh Water Disinfection
- Well Water Treatment
- Cistern Water Disinfection

#### BENEFITS

- Oxidation of Well Water Contaminants
  - Iron
  - Manganese
  - Sulfur
  - Odor
  - Color
  - Tannins
- Disinfection
  - Microbes
- Aeration and Reduction of;
  - Biological Oxygen Demand (BOD)
  - Chemical Oxygen Demand (COD)

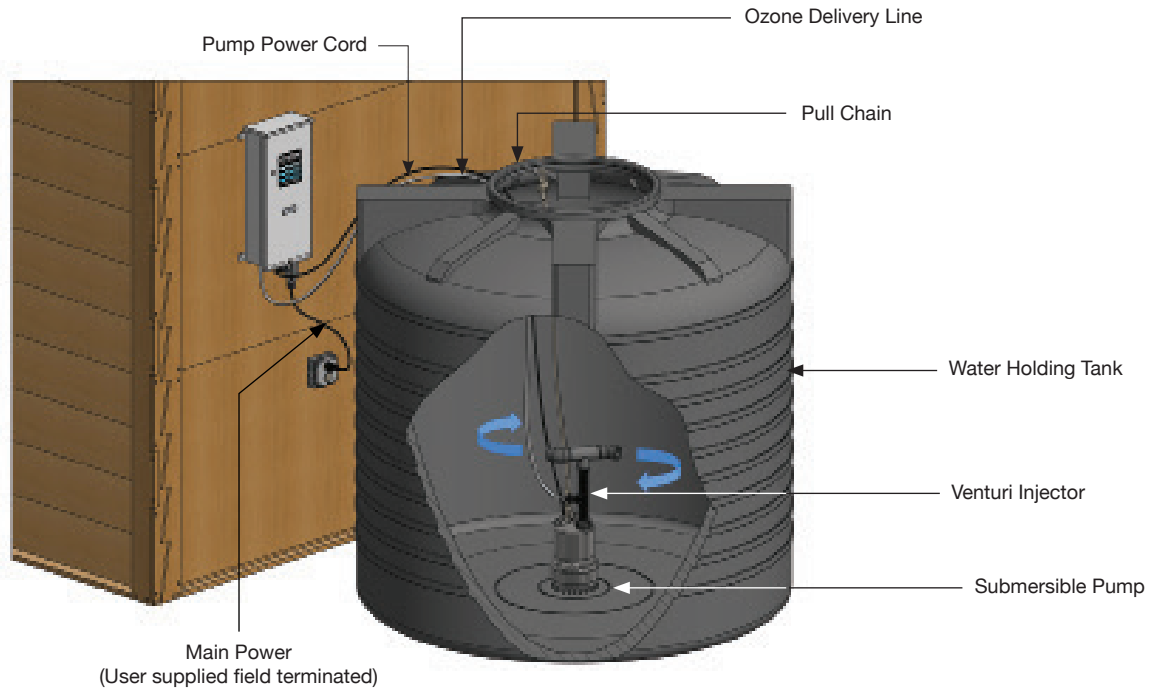


### POE1000HT SPECIFICATIONS

SYSTEM	OZONE OUTPUT	OZONE CONCENTRATION PERCENTAGE	PUMP PERFORMANCE	AMPS @ 120VAC 60Hz	AMPS @ 220VAC 50/60Hz	DIMENSIONS
POE1000HT	1.0 g/h	0.2	10 gpm	4.7	2.5	20.0" h x 9.0" w x 4.0" d 22.25 lbs.

NOTE: Main power connection is user supplied and terminated.

## POE-HT SCHEMATIC



The POE1000HT is designed to oxidize and disinfect well water contaminants within a traditional holding tank. Contaminant levels will dictate the run time for the system, introducing more or less ozone to provide desired results.

### POE1000HT - OPERATION TIME

Tank Volume		Contaminant Level		
		Low	Moderate	High
Gallons	Liters	Hours of Circulation Per Day		
500	1,893	1	2	3
1,000	3,785	2	3	4
1,500	5,678	3	4	8
2,500	9,463	4	8	16
5,000	18,925	8	16	20
10,000	37,850	16	20	24

#### LOW

For applications with little contaminant load or simply required to keep clean water fresh.

#### MODERATE

For applications with some levels of organic or inorganic contaminant.

#### HIGH

For applications with elevated levels of both organic and inorganic contaminant.

Customized systems can be designed for any contaminant level. Have a water analysis available and contact ClearWater Tech for assistance with sizing.

**NOTE:** Mechanical filtration is recommended down stream of the POE1000HT to remove particulate and other material that has been oxidized from the water supply.



#### ClearWater Tech, LLC

Ozone Systems for Water & Air Purification

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