

# OST Series



This Ozone Injection System is the Stainless Steel version of our OXS Ozone Water Systems and is made completely out of Stainless Steel components. Ozone is produced from an integrated oxygen concentrator and will produce 10 to 100 g/hr in water flows up to 100 GPM. The OST system is designed for point of use (POU) applications where high levels of ozone in water are required.

## COMMON APPLICATIONS

- Food Processing
- Bottled water
- Surface Sanitation
- Aquaculture
- Well water treatment
- Dairies

## OST TECHNOLOGY

Ozone is produced via corona discharge from the integrated oxygen concentrator. Ozone and oxygen are mixed with water via a Mazzei venturi using an injection pump to create a pressure differential and mixing action with the ozone mixing tank. Ozone is mixed with water in the contact chamber, and efficiently mixes them together to provide excellent mass transfer of ozone gas into the water. By eliminating a large water tank we save costs, space, and make an efficient system. The ozone gas is mixed with the water and flows to the point of use. Excess ozone gas is safely off-gassed through an air vent on the top of the tank.

## SYSTEM FEATURES

- One-touch ON/OFF switch
- Ambient ozone safety sensor integrated in central controller
- Stainless Steel ozone compatible pump
- Ozone produced from oxygen at high concentration
- Great mass transfer of ozone into water
- Capable of high dissolved ozone levels
- Compact design
- Turnkey ready to operate

### **Oxidation Technologies, LLC.**

214 US Highway 18  
Inwood, IA 51240

(515) 635-5854

Sales@oxidationtech.com

www.oxidationtech.com

## OST SERIES SPECIFICATIONS

Model	O3 Production (g/hr)	O2 Flow (SCFH)	O3 Concentration by weight	Max Water Flow Rate (GPM)	Compressed Air Required	Dimensions (WxDxH)	Electrical Power Requirements
OST-10	10	8	3.5%	30	4 CFM	24" x 24" x 80"	120 VAC, 20 amp
OST-20	20	15	3.5%	30	4 CFM	24" x 24" x 80"	120 VAC, 20 amp
OST-30	30	15	4.5%	50	4 CFM	30" x 24" x 80"	220 VAC, 15 amp
OST-40	40	20	4.7%	50	4 CFM	30" x 24" x 80"	220 VAC, 15 amp
OST-60	60	30	4.7%	80	8 CFM	30" x 26" x 80"	220 VAC, 20 amp
OST-80	80	40	4.7%	100	8 CFM	30" x 26" x 80"	220 VAC, 20 amp
OST-100	100	40	6%	100	8 CFM	36" x 26" x 80"	220 VAC, 30 amp
OST-120	120	60	4.7%	100	12 CFM	36" x 26" x 80"	220 VAC, 30 amp
OST-150	150	60	6%	100	12 CFM	36" x 30" x 80"	220 VAC, 30 amp

## OST SERIES SPECIFICATIONS (WITH INTERNAL AIR COMPRESSOR)

Model	O3 Production (g/hr)	O2 Flow (SCFH)	O3 Concentration by weight	Max Water Flow Rate (GPM)	Dimensions (WxDxH)	Electrical Power Requirements
OST-10	10	8	3.5%	30	30" x 24" x 80"	220 VAC, 15 amp
OST-20	20	15	3.5%	30	30" x 24" x 80"	220 VAC, 20 amp
OST-30	30	15	4.5%	50	36" x 24" x 80"	220 VAC, 20 amp
OST-40	40	20	4.7%	50	36" x 24" x 80"	220 VAC, 20 amp
OST-60	60	30	4.7%	80	36" x 26" x 80"	220 VAC, 30 amp
OST-80	80	40	4.7%	100	36" x 26" x 80"	220 VAC, 30 amp
OST-100	100	40	6%	100	36" x 26" x 80"	220 VAC, 40 amp

## DESIGN

The OST Series are designed to produce ozone with an air cooled Ozone Generator.

The OST systems require compressed air to be supplied to the system. If this isn't possible in your application, you can upgrade to have an internal compressor.

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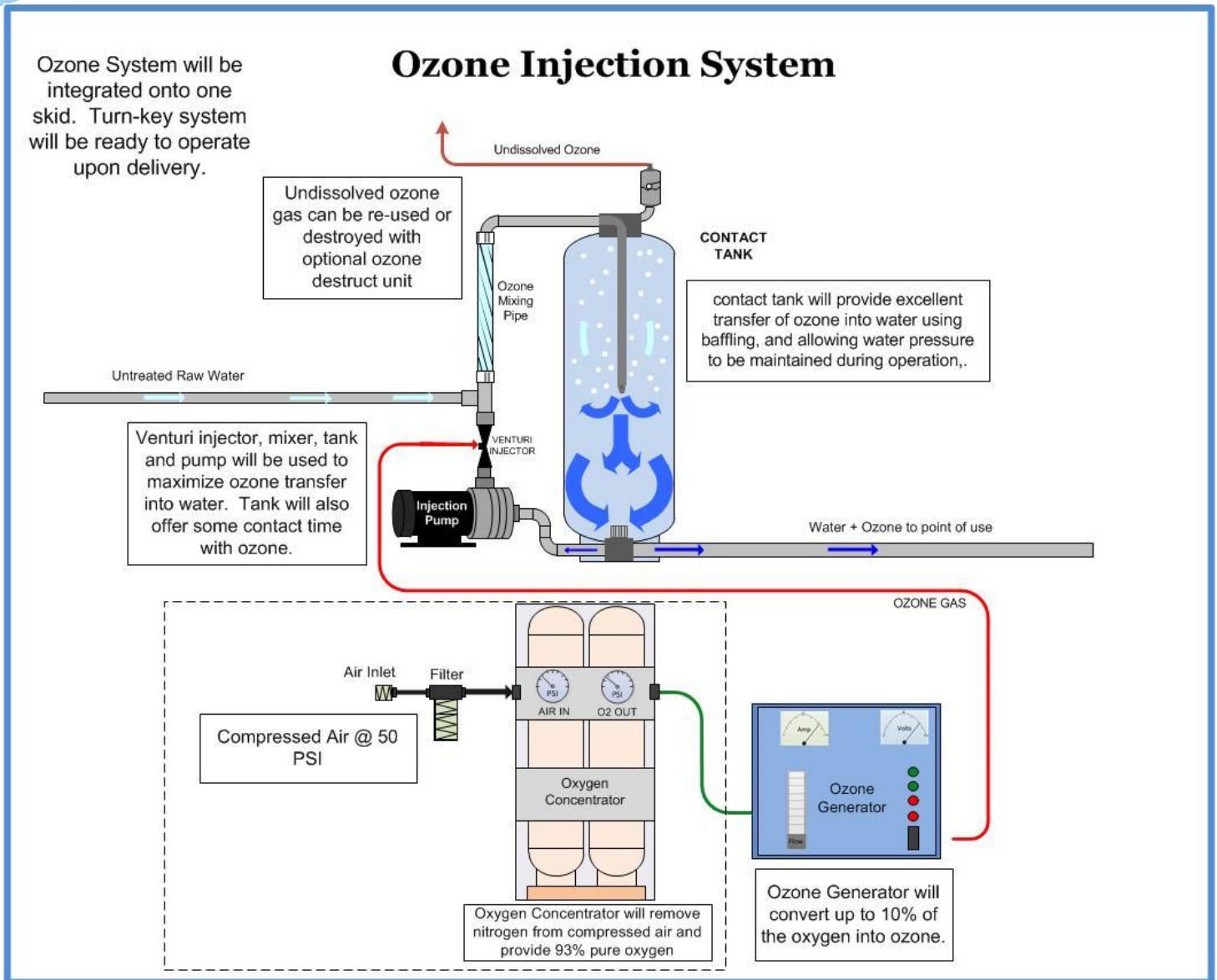
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## SYSTEM LAYOUT



## OPTIONAL ACCESSORIES

- Dissolved Ozone Monitor
- ORP Monitor
- Ozone Destruct Systems
- Remote Ambient Ozone Sensor
- Water Pressure Switch
- Internal Compressor
- Water Flow Switch
- Ambient Temp Sensor
- RH Humidity Sensor

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