

# OXS Series



This Ozone Injection System will dissolve ozone into water for point of use (POU) applications or water treatment applications where dissolved ozone in water is required by providing lower dissolved ozone in higher water flow rates. The OXS Series will provide ozone production from 10 to 100 g/hr in water flows up to 100 GPM.

## COMMON APPLICATIONS

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

## OXS 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
- CPVC 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

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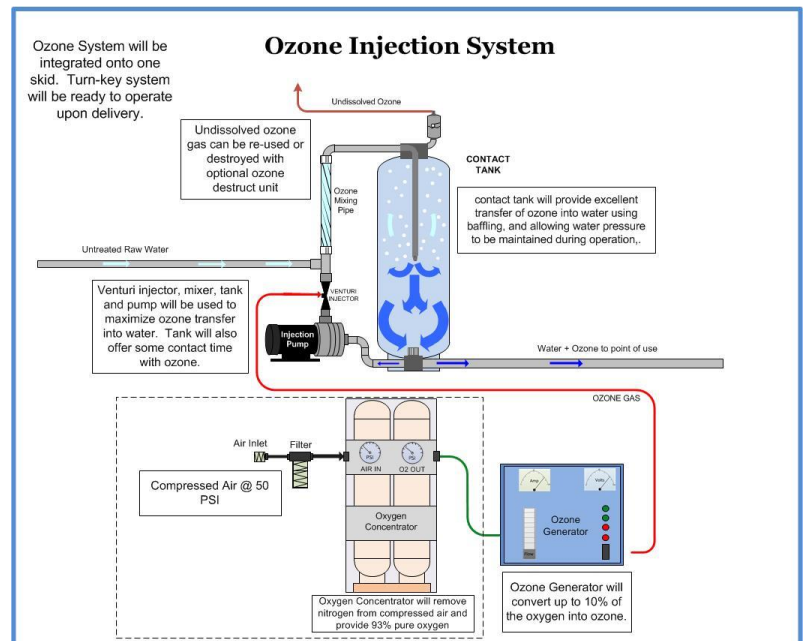
Model	O3 Production (g/hr)	O2 Flow (SCFH)	% O3	Water Flow Rate (GPM)	Ozone Dosage	Compressed Air Required (CFM)
OXS-10	10	8	3%	30	1.47 ppm @ 30 GPM 2.94 ppm @ 15 GPM	4
OXS-20	20	15	3%	30	2.94 ppm @ 30 GPM 5.88 ppm @ 15 GPM	4
OXS-30	30	15	4.7%	50	2.65 ppm @ 50 GPM 5.29 ppm @ 25 GPM	4
OXS-40	40	20	4.7%	60	2.95 ppm @ 60 GPM 5.88 ppm @ 30 GPM	4
OXS-60	60	30	4.7%	80	3.31 ppm @ 80 GPM 6.61 ppm @ 40 GPM	8
OXS-80	80	40	4.7%	100	3.53 ppm @ 100 GPM 7.05 ppm @ 40 GPM	8
OXS-100	100	40	6%	100	4.41 ppm @ 100 GPM 8.82 ppm @ 40 GPM	8

## SYSTEM LAYOUT

### DESIGN

The OXS Series produce ozone with an air cooled Ozone Generator.

The OXS 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.



### OPTIONAL ACCESSORIES

- Dissolved Ozone Monitor
- ORP Monitor
- Ozone Catalyst Unit
- Remote Ambient Ozone Sensor
- Water Pressure Switch
- Internal Compressor

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