

ISX Ozone Water System



The ISX Systems are large scale industrial ozone water treatment systems capable of ozone production ranging from 150 to 1,000 g/hr. For a great turn-key unit ready for operation upon delivery – choose the ISX Ozone Water System!

ISX TECHNOLOGY

The ISX are designed as a simple one-touch start-up and shut-down with easy to understand automation making these units perfect for medium to large scale ozone project. Systems are turnkey and produce ozone using water cooled Ozone Generators with a closed loop chiller to keep ozone cell temperature consistent. The industrial Oxygen Concentrator use large sieve beds and quality diaphragm valves for valving the air and oxygen flow. The ISX are built with parts that have great long term reliability and are able to be field serviced.

SYSTEM FEATURES

- Turnkey ready to operate
- Ambient ozone safety sensor
- Automated operation
- Industrial oxygen concentrator for reliable operation
- Ozone produced from oxygen
- Water cooled Ozone Generator with closed loop chiller
- Great mass transfer of ozone into water
- Stainless steel pump and kynar Mazzei venturi
- Capable of very high dissolved ozone levels

APPLICATIONS

- Food processing
- Bottled Water
- Aquaculture
- Well water treatment
- Wastewater treatment
- Water reuse applications
- Water reclamation
- Pump & Treat Water Remediation

Model	O3 Production (g/hr)	O2 Flow (LPM)	% O3	Ozone Dosage	Compressed Air Required (CFM)
ISX-150	150	25	8%	1.32 ppm @ 500 GPM	22
ISX-325	325	50	8%	2.87 ppm @ 500 GPM	28
ISX-500	500	80	8%	4.41 ppm @ 500 GPM	35
ISX-800	800	115	8%	7.05 ppm @ 500 GPM	45
ISX-1000	1000	150	8%	8.82 ppm @ 500 GPM	54

OPTIONAL ACCESSORIES

DISSOLVED OZONE MONITOR – Will measure actual dissolved ozone levels in the water real time. The Ozone System can be controlled to maintain a desired ozone level in the water, or alarms can be used to alert personnel when ozone levels are low.

ORP MONITOR – Measures ORP (Oxidation Reduction Potential) levels in the water real time. The ORP monitor can be used to ensure water treatment is effective and that the Ozone System is functioning. While ORP is not a direct measurement of ozone in water, it is a great tool to ensure the ozone system is providing the necessary water treatment.

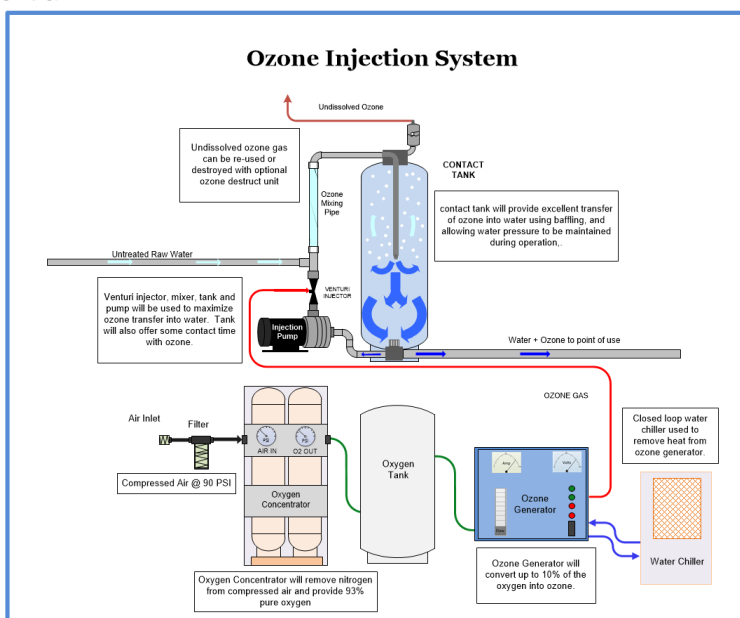
OZONE CATALYST UNIT – Catalyzes ozone safely back to oxygen to ensure any off-gassed ozone is not introduced into the air. Ozone Destruct unit is provided with an air trap and heater to ensure water does not damage the catalytic material.

REMOTE AMBIENT OZONE SENSOR – Will measure ozone in remote location (point of use of ozone water) to ensure safe environment where the water is actually being used.

WATER PRESSURE SWITCH – Can be used to turn the ozone system ON and OFF based on water usage as measured by the water pressure switch. User settable.

OZONE MIXING CHAMBER – Stainless steel mixing chamber will further mix ozone with water and off-gas excess ozone from water. Includes all piping and off-gas vent for operation.

OZONE DESTRUCT UNIT – Can be used to destroy all excess ozone safely and return to oxygen to vent safely into the ambient air.



Oxidation Technologies, LLC.
 214 W Highway 18
 Inwood, IA 51240
 (515) 635-5854
 Sales@oxidationtech.com
 www.oxidationtech.com