

OIS Series Ozone Systems



OIS SERIES:

The OIS Ozone Injection System will produce up to 40 g/hr of ozone and introduces this ozone into water at up to 300 LPM.

The OIS systems are designed for point of use (POU) applications or water treatment applications where high levels of dissolved ozone in the water are required.

OIS TECHNOLOGY:

Ozone is produced via corona discharge from the integrated oxygen concentrator. Ozone and oxygen are mixed with water with a Mazzei venturi using an injection pump to create a pressure differential and mixing action with the ozone mixing tank.

Ozone is mixed with the water in the ozone contact tank. This tank will efficiently mix ozone gas with the water and provide excellent mass transfer of ozone gas with 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.

All excess ozone will be safely off-gassed through the air vent on the top of the contact tank.

COMMON APPLICATIONS:

- FOOD PROCESSING
- POST HARVEST WASHING
- BOTTLED WATER
- SURFACE SANITATION
- DAIRY
- COOLING TOWERS
- AQUA CULTURE
- BORE WATER TREATMENT

SYSTEM FEATURES:

- One touch ON/OFF switch
- Turnkey ready to operate
- Ambient ozone safety sensor Integrated in central controller
- SCH80 PVC piping is used for maximum ozone resistance
- 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

OPTIONAL ACCESSORIES

- Dissolved Ozone Monitor

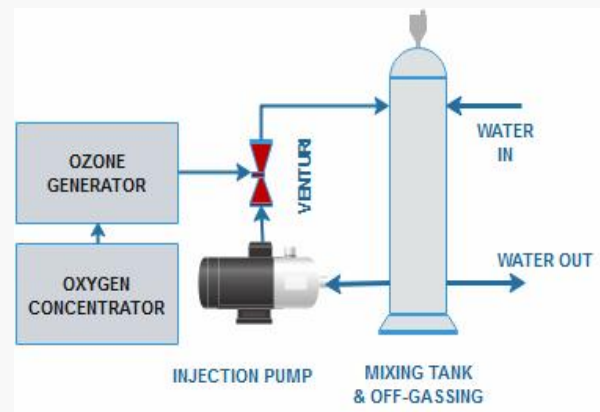


- ORP Monitor, portable



- Ozone Destruct Unit
- Remote Ambient Ozone Sensor
- Water Pressure Switch
- Internal / External Compressor

SYSTEM LAYOUT



OIS DESIGN

The OIS Series produce ozone with an air cooled ozone generator.

The OIS system contains a separate oxygen concentrator with its compressor.

MODELS	OIS-10	OIS-20	OIS-40
O3 Production (g/hr)	10	20	40
O2 Flow (LPM)	5	7.5	10
% O3 by weight	3	4.7	4.7
Water Flow Rate (LPM)	100	100	225
Ozone Dosage @ LPM	1.5ppm @ 110 3 ppm @ 55	3 ppm @ 110 6 ppm @ 55	3 ppm @ 225 6 ppm @ 110