

MITSUBISHI OS-U OZONE GENERATOR

The new range of **Mitsubishi Electric OS-U Series** medium frequency ozone generators are state of the art and include many innovative features.

By design they are the most efficient, reliable and advanced ozone generators commercially available backed with a five-year limited warranty on dielectric tubes.

FEATURES INCLUDE:

- Production range 50 to 2200 ppd
- Compact dimensions
- Fully integrated control systems
- PLC and MMI as standard
- Simplified installation
- Ethernet communications system
- Ozone concentration range 6% to 14% by weight
- Low supplemental air requirement 0.1%
- Borosilicate glass dielectric
- Patented micro gap technology
- Low harmonic content
- Skid-mounted open or closed loop cooling

The **OS-U Series** is skid-mounted with all necessary instruments valves and equipment included for safe and efficient operation. The inverter operates at medium frequency and has been designed by Mitsubishi Electric specifically for ozone generation, taking full advantage of latest semiconductor design.

Above 660 ppd the inverter system is high voltage, eliminating the need for a High Voltage Transformer.

An on-board PLC controls and monitors the ozone generator operator interface by a door-mounted MMI touch screen. The generator PLC is Ethernet-ready and is designed to communicate with the Ozone Master Control Panel and site SCADA systems.

The latest evolution of generator utilizes patented micro gap technology and tried and tested borosilicate glass dielectric. Dielectrics carry a five-year limited warranty. All of the generators in the **OS-U** range are capable of producing ozone up to 14% by weight from oxygen feed gas.



STANDARD MODELS

Model	Ozone Production (ppd)	Cooling Water Flow (GPM)
OS-U 1	50	6
OS-U 2	110	12
OS-U 3	160	18
OS-U 4	250	27
OS-U 5	330	35
OS-U 6	500	62
OS-U 7	660	82
OS-U 8	880	100
OS-U 9	1100	123
OS-U 10	1400	160
OS-U 11	1800	210
OS-U 12	2200	250

Nominal production data is based on design criteria as detailed below:

- Ozone concentration 10% by weight
- Cooling water temperature 60°F
- Oxygen feed gas
- Feed gas dewpoint < -80°F