OS-UH OZONE GENERATOR

MITSUBISHI ELECTRIC
Changes for the Better

MITSUBISHI OS-UH OZONE GENERATOR

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

The **OS-UH** range has been developed as a response to market demands for systems that offer low initial cost, high operational efficiency, low maintenance and operational costs.

FEATURES INCLUDE:

- Production range 40 to 1300 ppd
- Compact dimensions
- Fully integrated control systems
- PLC and MMI as standard
- Simplified installation
- Ethernet communications system
- Ozone concentration range 12% to 16% 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-UH 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 460 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 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-UH** range are capable of producing ozone up to 16% by weight from oxygen feed gas.

STANDARD MODELS

Model	Ozone Production (ppd)	Cooling Water Flow (GPM)
OS-UH 1	40	6
OS-UH 2	80	12
OS-UH 3	110	17
OS-UH 4	190	27
OS-UH 5	230	33
OS-UH 6	350	58
OS-UH 7	460	77
OS-UH 8	630	97
OS-UH 9	800	130
OS-UH 10	1050	160
OS-UH 11	1300	200

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

- Ozone concentration 15% by weight
- Cooling water temperature 60°F
- Oxygen feed gas
- Feed gas dewpoint < -80°F

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