



OM-xC SERIES - OZONE GENERATORS

18 to 60 g/h ozone production – concentration: 3 to 7%wt

DESCRIPTION

The OM-xC series of ozone generators has been specifically designed to cover a great number of applications with a very attractive prices.

OM-xC equipments are a complete ozone generation systems. Incorporates all the necessary devices for ozone production at high concentration.

The modules are mounted in a metallic enclosure epoxy coated for resist aggressive environments. The cell of generation of ozone, made in Alu and stainless steel A316, and the dielectric plate in ceramics. This technology is based on the production of ozone of a profitable and lasting way and a really small costs of production.

The OM-1xC equipments allows an important saving in his commissioning works cause they are cooled by air.

CONTROLS:

Ozone production regulation: 0-100%

Power meter: 0-5 VDC

Ozone production indicator: LED

Generator pressure indicator

Feed gas regulation



MAIN FEATURES

- Mounted in a metallic enclosure
- Controlled by microprocesor
- Input for external ORP controller
- Air cooled
- Flow regulator included
- Ozone production adjustable 0 to 100%
- Ozone production controlled by PID loop
- Ozone production display
- Flow-meter included
- Manometer included
- Power switch in front-plate
- Gas fitting 1/4"
- Electrical supply 230V, single fase (others on demad)
- Ozone cell reactor build in Alu and SS A316

PRINCIPAL COMPONENTS OF THE OM-xC SERIES OZONE GENERATORS

Feed gas Flow Meter: Indicates the oxygen flow rate.

Pressure Indicator for the Reactor pressure: indicates the reactor pressure level.

Regulation Valve for the reactor pressure selection: Allows selecting the best reactor pressures according the work conditions.

Inlet Pressure Meter: Indicates the pressure of the gas at the entry of the generator.

Ozone production indicator: Indicates the level of ozone production

Temperature sensor: Protect electronic components against a abnormal temperature.

Compressor: Incorporates his own compressor. Rocking piston type. Oil-less. 230V-0,25kW

Oxygen concentrator: Incorporates his own oxygen concentrator – 7 l/min O₂ production

Ozone reactor: Built in SS and Alu with ceramic dielectric. Air cooled.

Model OM-1C TECHNICAL FEATURES

Ozone production	18 g/hr
Feed gas	Oxygen
O₂ flow rate (adjustable)	5 lpm to 7 lpm
Concentration	3 to 7 %/wt
Reactor pressure	1 bar (15PSI)
Power supply	230 V 1PH / 50Hz
Consumption	550 W
Fittings	1/4 “
Height	1250mm
Length	1200mm
Width	500mm
Weight	45 Kg

**Model OM-2C
TECHNICAL FEATURES**

Ozone production	30 g/hr
Feed gas	Oxygen
O2 flow rate (adjustable)	7 lpm
Concentration	3 to 7 %/wt
Reactor pressure	1 bar
Power supply	230 V 1PH / 50Hz
Consumption	940 W
Fittings	1/4 "
Height	1250mm
Length	1200mm
Width	500mm
Weight	50 Kg

**Model OM-3C
TECHNICAL FEATURES**

Ozone production	45 g/hr
Feed gas	Oxygen
O2 flow rate (adjustable)	15 lpm
Concentration	3 to 7 %/wt
Reactor pressure	1 bar
Power supply	230 V 1PH / 50Hz
Consumption	1000 W
Fittings	1/4 "
Height	1250mm
Length	1200mm
Width	500mm
Weight	60 Kg

**Model OM-4C
TECHNICAL FEATURES**

Ozone production	60 g/hr
Feed gas	Oxygen
O2 flow rate (adjustable)	20 lpm
Concentration	3 to 7 %/wt
Reactor pressure	1 bar
Power supply	230 V 1PH / 50Hz
Consumption	1200 W
Fittings	1/4 "
Height	1250mm
Length	1200mm
Width	500mm
Weight	70 Kg