

O₃ SPECIFICATIONS

MODEL

OM 302

Concentration range	1 - 80 µg/Nml
Accuracy	±10% ±2µg/Nml
Production rate	2.4 g/h
Measurement system	ACM indirect maintenance free
Hyperbaric therapy pressure	0.5 bar
Continuous flow	30 L/h
Operation capability	Continuous, Autohemo, Syringe, Bagging
Vacuum pressure	-0.6 bar
Syringe automatic pressure control	0.14 bar to 0.5 bar
Ozone output fitting	Lüer - lock
Electric supply	100-230 VAC / 50-60 Hz / 145 VA
Oxygen supply	1.5 bar to 5 bar. Diameter 6 mm
Weight	16 Kg
CE Certification93/42/CEE. Class IIb

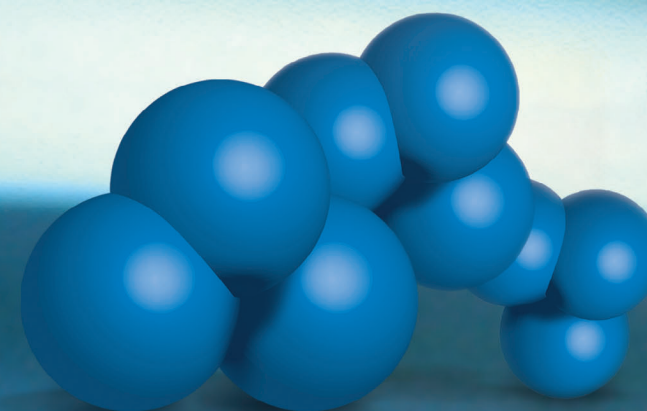


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OZONETHERAPY



 **SEDECAL**
Healthcare



OM 302

Bioxidative Therapies



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Ozone is well known as powerful germicide, anti-inflammatory, analgesic and oxidative stress modulator. To achieve desired therapeutic effects on the body, ozone concentration to be delivered must be accurate for each different application way.

The state of the art SEDECAL ozone generators, complies with the highest safety and accuracy European standards. The homogeneous and accurate ozone / oxygen mixture produced, guarantees on each application a perfect dosage making easier therapy follow-up and medical decisions. Source for Ozone production is always medical grade oxygen which some amount is transformed into Ozone being delivered along the oxygen in a homogeneous and measured Ozone / Oxygen mixture.

Through the different and easy application ways, Ozonotherapy gets positive results in a reduced time accelerating patient recovery.

The equipment operation procedures have been designed according to the latter Ozonotherapy accepted protocols within the medical community.

OZONETHERAPY

OM 302 medical Ozone generator is the most recent answer to the needs of the modern Ozonotherapy. This model is able to perform all the applications and administration routes regardless of the followed medical school and disposables used.

Most of the common applications and procedures are programmed and can be reached just by pressing a key.

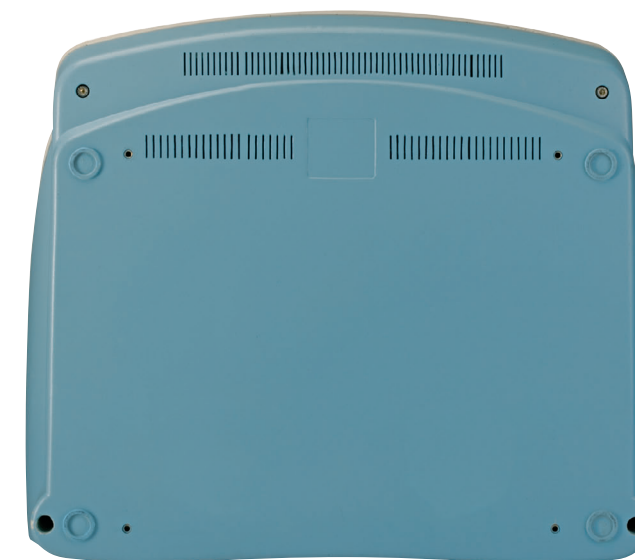
ACM concentration measurement system doesn't need to be calibrated routinely and the setting range goes from 1 µg/Nml until 80 µg/Nml in a 1 µg/Nml steps.

Features:

- ✿ Ozone generation for hyperbaric and normobaric treatments
- ✿ Standard units for concentration measurement. µg/Nml
- ✿ Digital displays for concentration, pressure and vacuum
- ✿ High performance quadrupole generator
- ✿ Continuous mode operation for liquids ozonation
- ✿ Built-in catalytic Ozone scavenger with high performance and self-regeneration capacity
- ✿ Standard programs for MAHT, infiltrations, liquids ozonation and bagging therapies



Medical Oxygen input and electricity supply, easy to access.



Venting grid for a proper operation in continuous mode.



OM 302 Safety and Accuracy

OM 302 has a configuration adapted to the basic therapies such as injection, insufflations and continuous Ozone; however it is possible to perform all kind of therapies with the appropriate procedures.

A built-in catalyser and vacuum pump are included allowing an automatic cleansing cycle for the syringe therapies assuring an hygienic procedure and accuracy in delivered concentrations.

Output filling pressures are automatically controlled for the syringes of 20 ml, 50 ml and 100 ml, avoiding accidental shoots of the plunger to the operator and Ozone leaks to the room.

OPERATION DETAILS

The ability to generate Ozone at pressures greater than atmospheric (hyperbaric) is a big advantage when it comes to dilute Ozone within liquids because the amount of diluted gas is directly proportional to the pressure. This is particularly important in the autohemotherapies, water and normal saline ozonation as procedural time is considerably reduced. When high doses are required for autohemotherapy, this feature is very important as allows high total Ozone doses while Ozone / Oxygen concentration is kept low enough to avoid haemolysis or citotoxic effects.

OM 302 automatically calculate and shows the total dose of ozone in autohemotherapy according the used flask and amount of blood to be ozonated.

OM 302 has constructive details carefully studied such as the isolation between Ozone output and waste Ozone input to avoid contamination among therapies. A sliding cover is included to protect Ozone outputs against the surround dust and mites avoiding to pass it to the patient.

For liquids ozonation, such as distilled water or normal saline, the ozonation time can be programmed up to 30 minutes ending the process with automatic Oxygen cleansing flow to remove the remaining Ozone.

