



TAURUS^{MC} GENERATION 2 SERIES | BETTER OZONE FOR CLEANER WATER, NATURALLY!

NATURE TO THE POWER OF 3!

Following the success of the **Taurus^{MC}** ozone generator, **EMO₃** has continued its innovation efforts in order to bring you the **Taurus^{MC} II** ozonation platform. More versatile and providing 20% more power in a smaller size, the **Taurus^{MC} II** platform is the best available in the industry. Moreover, this version is now offered in 2 models: air cooled or water cooled.

A sustainable and proven solution, ozone is recognized as the most eco-friendly and natural bacterial deactivator available, as well as being the quickest and the most powerful. Entirely produced on site, ozone is created using oxygen (O_2), which is turned into ozone (O_3), which then is turned back into oxygen (O_2).

INNOVATION AT ITS BEST – 2 VERSIONS FOR MAXIMUM VERSATILITY

Our vision of offering two cooling versions now allows you to choose the best possible configuration for your application. The air cooled version produces 50 g/h of ozone whereas the water cooled version allows for a production of 200 g/h. The two versions can be deployed in several modules so as to meet your ozonation needs.

In order to make installation easier, **EMO₃**'s team of engineers has integrated the whole within a stainless steel enclosure providing both sturdiness and longevity.

As was the case for the previous series, the new generation **Taurus^{MC} II** is a high-frequency and high-voltage block ozone generator. As well as providing 20% more power, it is also smaller. Robust, it provides peace of mind thanks to its on-demand ozone functions (ozone-on-demand) to meet your needs.

HERE ARE THE ADVANTAGES:

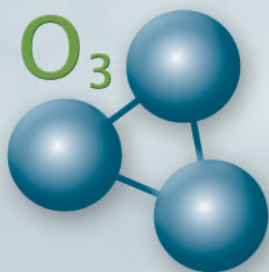
- Modular design and entirely adjustable production – each cell produces up to 50 g/h
- Air-cooled corona discharge
- Compact design
- Analog input (4-20 mA, 0-10 V) for ozone production variation
- Robust constructions for the most demanding facilities and applications
- Each cell is equipped with a flowmeter and an ammeter to make operations easier
- Protection against heat and lack of oxygen flow
- High-frequency transformer offering the quietest operation in the industry
- Stainless steel housing

APPLICATIONS

Ozone is produced using a renewable resource (air), has one of the highest redox potentials (2.07 V) and is an ideal solution for the multiple water treatment challenges.

Our solution can be used in:

- Municipal drinking water
- Food safety, CIP
- Treatment of cooling tower water
- Treatment of wastewater effluents
- Oxidation of mining and petrochemical plant effluent by-products
- Odour and taste control
- Aquaculture and public aquariums
- Controlling blue algae (cyanobacteria)



OZONE

TECHNICAL DATA

| MODEL | TAURUS II AIR COOLED | TAURUS II WATER COOLED |
|---|---|---|
| PRODUCT NUMBER | TM50 GEN2 | TM200 GEN2 |
| OZONE PRODUCTION | 50 g/hr @ 20 SCFH (10 L/min) | 200 g/h @ 60 SCFH (30 L/min) |
| MASS CONCENTRATION (%O ₂ /%O ₃) | 5%-10% | 6%-12% |
| SUPPLY | 208 to 240 VAC/1 PH/ 50-60 Hz/5 A | 208 to 240 VAC/1 PH/ 50-60 Hz/15 A |
| ELECTRICAL OUTLET | L6-20R | L6-20R |
| OXYGEN REQUIREMENTS | > 92% O ₂ 20 pi ³ /h @ 15 PSI (12 lpm @ 1.4 bar) | > 92% O ₂ 60 pi ³ /h @ 15 PSI (30 lpm @ 1.4 bar) |
| POWER VARIATION CONTROL | 0-100%, PTD («pulse train duty cycle») | 0-100%, PTD («pulse train duty cycle») |
| OPERATING TEMPERATURE | 40°F (5°C) à maximum 86°F (30°C). | 40°F (5°C) à maximum 86°F (30°C). |
| COOLING | Air cooled 235 CFM (110 L/min) | Water cooled 4.5 GPM (17 L/min) Temperature: 5 à 20 °C |
| CONNECTION | <ul style="list-style-type: none"> • Power variation via external 4-20 mA analog signal or 0-10 vdc; ou • Dry contact from an external controller; ou • Manual (start/stop button on the unit) | <ul style="list-style-type: none"> • Power variation via external 4-20 mA analog signal or 0-10 vdc; ou • Dry contact from an external controller; ou • Manual (start/stop button on the unit) |
| DIMENSIONS | 21" (53.3 cm) x 14.4" (36.6 cm) x 8.9" (22.6 cm) | 25.4" (64.5 cm) x 10.8" (27.3 cm) x 16.1" (40.8 cm) |
| WEIGHT PER UNIT | 78 lbs (35 kg) | 88 lbs (40 kg) |



OZONE

THE SOLUTION FOR AIR AND WATER TREATMENT

945, ave. Newton, Suite 134, Quebec (Quebec) G1P 4M3
1-866-805-8003 | info@emo3.com | emo3.com

