

# Primozone® GM1-GM2-GM3

- high concentration ozone generators with compact design

**The Primozone® GM1, GM2 and GM3 are the first truly industrial ozone generators designed for smaller ozone needs. Based on the proven Primozone ozone technology used in the larger units, these compact units are downsized without compromising nor on quality, efficiency or safety.**

Primozone is redefining ozone technology with its patented ozone generator that combines high ozone capacity, high ozone concentration and high gas pressure - all at the same time. No need to compromise. This guarantees an ozone generator with high performance and low operating cost.

**Highest ozone concentration** - an ozone concentration of up to 20 wt% enables high performance, efficient dissolution and an energy efficient ozone production

**Highest gas pressure** - an absolute gas pressure of up to 4.0 bars (58 psi) enables for efficient dissolution and distribution of the ozone

**Lowest oxygen consumption** - the high ozone concentration reduces the oxygen consumption by 50%

**Sealed maintenance free aluminum reactors** - only maintenance required is a yearly inspection - no time consuming cleaning of the reactor is required

**Easy to use** - no need for specialist competence to operate and control

**Smallest footprint** - extremely compact in size which makes it easy to manage and position even where space is limited. Wall mounted or stand-alone

**Precise dosing** - integrated control system with unique features that can vary the dosing and provide the desired ozone level at any given time

**Production capacity** - 10 - 180 g O<sub>3</sub>/h (0.5 - 9.5 lbs/day) from oxygen

**Modular & scalable** - the housing can be fit with 1, 2 or 3 reactors, each with a separate power unit. No need to over-size and the capacity can easily be upgraded

**Applications**

- food and beverage
- medical
- swimming pools
- cooling towers
- textile industry
- aquaculture and more

**I'm small and easy to install**

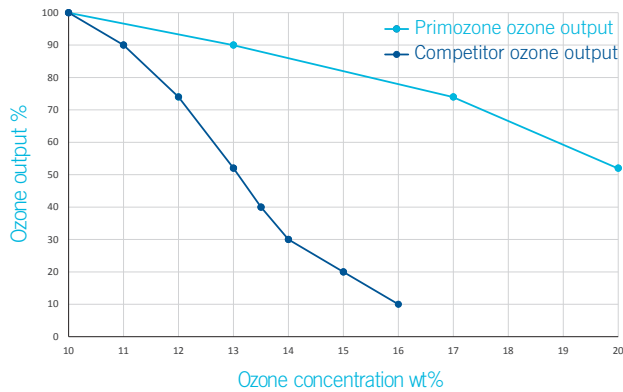
Safe, compact & scalable with a capacity of 180 g O<sub>3</sub>/h



## EFFICIENT OZONE PRODUCTION

One of the unique features of Primozone's ozone technology is the ability to deliver both high ozone concentration and high gas pressure at higher levels of ozone output. This is enabled by the unique Primozone aluminum plate reactor technology.

### 7 X OZONE PRODUCTION CAPACITY



The graph shows that Primozone's ozone technology has more than 7 times the production capacity at higher ozone concentrations than competitive technology.

## FEATURES

- Stainless steel enclosure
  - Ozone pressure at outlet (absolute)
  - Noise level
  - Conformity
  - Material
- IP65 and NEMA 4  
Up to 4.0 bar (58 psi)  
Less than 55 dB  
CE  
Stainless steel and aluminum



## TECHNICAL DATA

GM-model	Ozone concentration wt%	Ozone production		Oxygen consumption		GM energy consumption kW	Dimensions			
		gO <sub>3</sub> /hour	lbs/day	Nm <sup>3</sup> /hour	Ft <sup>3</sup> /hour		Height	Width	Depth	Weight
GM3	10%	180	9,5	1,2	42,3	1.8	450 mm/ 18 inch	580 mm/ 23 inch	415 mm/ 16 inch	60 kg/132 lb
	13%	150	7,9	0,8	26,4					
	17%	132	7,0	0,5	18,6					
	20%	105	5,6	0,4	12,3					
GM2	10%	120	6,3	0,8	28,2	1.2	450 mm/ 18 inch	580 mm/ 23 inch	415 mm/ 16 inch	50 kg/110 lb
	13%	100	5,3	0,5	17,6					
	17%	88	4,7	0,4	12,4					
	20%	70	3,7	0,2	8,2					
GM1	10%	60	3.1	0,4	14,1	0.6	450 mm/ 18 inch	580 mm/ 23 inch	415 mm/ 16 inch	40 kg/88 lb
	13%	50	2.6	0,3	8,8					
	17%	44	2.3	0,2	6,2					
	20%	35	1,9	0,1	4,1					