OZONE GENERATOR

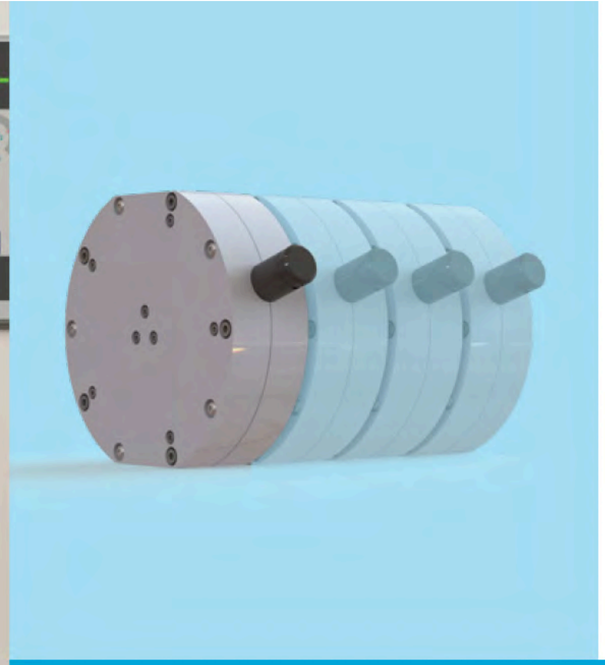
GM 1-4 3.0

Primozone®

REDEFINING OZONE TECHNOLOGY







MODULAR

Add reactors for more ozone

MAINTENANCE FREE.

Only functional control

COST EFFICIENT ENERGY SAVER

LOW CAPEX LOW OPEX

HIGH PRESSURE & HIGH CONCENTRATION

Ozone gas up to 3 bar(g) / 43.5 psi, 300g/m³ / 20% by weight



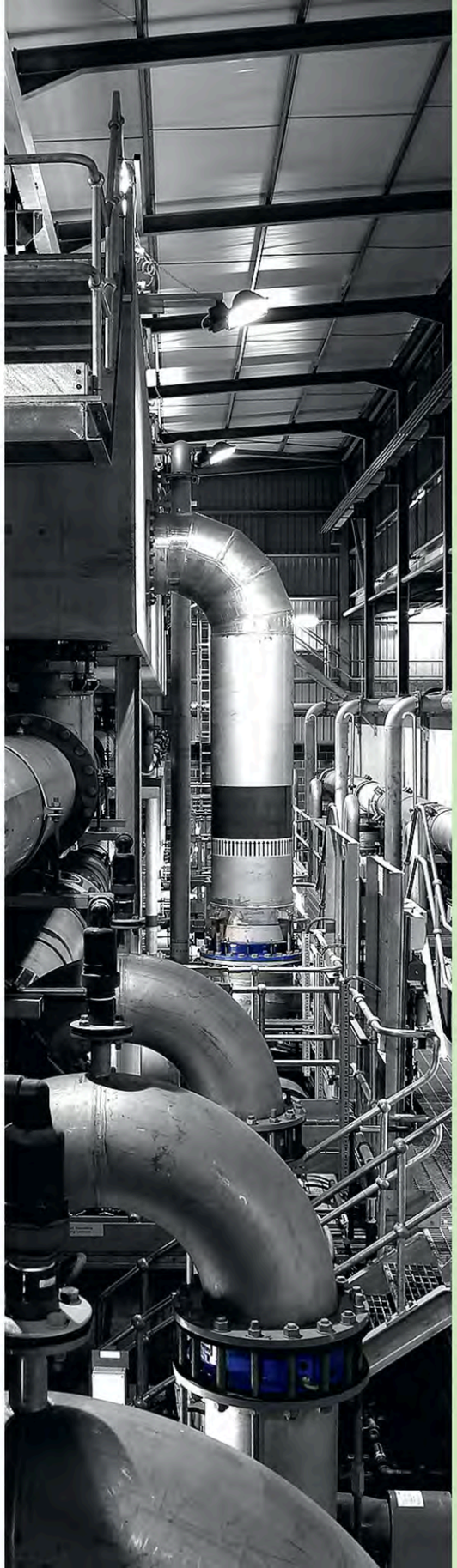
EMC APPROVED

Electromagnetic compatibility is the ability of electrical equipment to function correctly and not cause unwanted effects such as electromagnetic interference to your surrounding electronics and personnel. Now you do not have to worry about the safety of your electronics and personnel around your ozone generator.

MODULAR
Independent ozone reactors and power supplies

COMPACT DESIGN
Space efficient
Enables easy retrofitting

LESS ENERGY, LOWER OPEX
Significant savings in energy use and cost compared with traditional ozone solutions



EXCLUSIVE. INTELLIGENT.

Whatever size ozone generator you need, there is no reason to compromise on any features. All the Primozone ozone generators are based on the same redefining ozone technology that delivers world class ozone production.

The GM series offers ten standard size ozone generators. The modular design makes it possible to combine the standard generators to fit almost all your ozone needs, from small to large demand. Regardless of capacity needed, Primozone can offer a suitable solution.

Depending on application and your needs, Primozone offers ten different ozone generators with an ozone capacity that range from 4 g to 2.9 kg O_3/h (0.3 to 153 lbs/day) with a 150-300 g/m^3 ozone concentration. The GM1-4 series ranges from 4 g to 240 g O_3/h (0.3 to 0.5 lbs/day). A combination of two or more generators can cover larger needs, with a capacity of up to 60 kg O_3/h (3200 lbs/day). An existing system can easily be upgraded with additional ozone generators to cover future increased needs.

The Primozone ozone generators produce ozone at the exact levels needed at any given time. When ozone production varies according to redox (ORP) value or flow, the oxygen and energy consumption for the complete system adjusts accordingly, making the complete solution energy efficient. This is only one of the unique features of the Primozone ozone generator.

Each generator has an integrated control system providing safety, monitoring and control. The system delivers information in real-time about ozone levels, gas pressure and gas flow. The ozone generator is equipped with a user friendly interface which makes it easy to operate. The built-in control system will automatically log and handle different production disturbances, e.g. loss of oxygen supply.

The Primozone ozone generator is a complete Plug and Play system, easy to install and operate. The modular design makes the generator reliable and very easy to maintain. Most systems are up and running within 24 hours after delivery. The small footprint of the Primozone ozone generator is a great advantage compared to conventional ozone generators.The space requirement could be as low as 20% of a standard generator.

Primozone GM1-4

Datasheet



Technical data

Dimension (W x D x H)	603 x 437 x 517 mm / 23.7 x 17.2 x 20.3 in
Gas Connector	8/6 mm push-on fitting
Water Connector	12/10 mm push-in fitting

	Ozone Concentration g /m³	%	Max Ozone Production g/hour	lbs/day	Max Oxygen Consumption m³/h*	l/min*	SCFH*	Max Power (kW)	Weight
GM1	150	10 %	60	3.2	0.41	6.8	15	0.60	36 kg 79.3 lbs
	200	13 %	50	2.6	0.25	4.2	9.5		
	250	17 %	40	2.1	0.16	2.6	6.0		
	300	20 %	27	1.4	0.098	1.6	3.7		
GM2	150	10 %	120	6.3	0.81	14	31	1.2	45 kg 99.2 lbs
	200	13 %	100	5.3	0.50	8.4	19		
	250	17 %	80	4.2	0.32	5.3	12		
	300	20 %	54	2.9	0.20	3.3	7.4		
GM3	150	10 %	180	9.5	1.2	20	46	1.8	52 kg 114.6 lbs
	200	13 %	150	7.9	0.75	13	29		
	250	17 %	120	6.3	0.48	7.9	18		
	300	20 %	81	4.3	0.29	4.9	11		
GM4	150	10 %	240	13	1.6	27	62	2.4	60 kg 132.2 lbs
	200	13 %	200	11	1.0	17	38		
	250	17 %	160	8.3	0.63	11	24		
	300	20 %	110	5.7	0.39	6.5	15		

The above figures vary +10 % and apply under the cooling conditions recommended by Primozone

*These vallues assume gas properties are standardized at 0 °C 68 °F and atmospheric pressure

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