

GM-SERIES 2.0	GM48	GM36	GM24	GM18	GM12	GM6	GM3	GM2	GM1	
DIMENSIONS										
Weight	700 kg 1543 lbs	600 kg 1323 lbs	500 kg 1102 lbs	300 kg 661 lbs	250 kg 551 lbs	100 kg 221 lbs	60 kg 132 lb	50 kg 110 lb	40 kg 88 lb	
Height	2040 mm 80 inch	1640 mm 65 inch	1020 mm 40 inch	1570 mm 62 inch	1200 mm 47 inch	600 mm 24 inch	450 mm 18 inch	450 mm 18 inch	450 mm 18 inch	
Width (footprint):	980 mm 39 inch	980 mm 39 inch	980 mm 39 inch	730 mm 29 inch	730 mm 29 inch	800 mm 32 inch	580 mm 23 inch	580 mm 23 inch	580 mm 23 inch	
Depth (footprint):	840 mm 33 inch	840 mm 33 inch	840 mm 33 inch	420 mm 17 inch	420 mm 17 inch	420 mm 17 inch	415 mm 16 inch	415 mm 16 inch	415 mm 16 inch	
ELECTRICAL DATA										
Power supply:	3x400 V+N+PE AC 50/60 Hz						230 V+N+PE AC 50/60 Hz			
Power factor:	0.99									
Power at 100% capacity:	28.8 kW	21.6 kW	14.4 kW	10.8 kW	7,2 kW	3,6 kW	1.8 kW	1.2 kW	0.6 kW	
Power consumption:	12 kWh per kg ozone at 13 wt% (200 g/Nm ³) ozone concentration and a cooling water temperature of 10° C/50° F									
Control range:	10-100%						20-100%			
OXYGEN GAS SUPPLY										
Recommended gas pressure at inlet:	2.5 bar(g) 36 psig									
Maximum gas pressure at inlet:	3 bar(g) 43.5 psig									
Typical oxygen consumption (at 100% capacity):	Nm ³ /h	12	9	6	4.5	3.0	1.5	0.8	0.5	0.3
	Ft ³ /h	423.8	317.4	211.6	158.9	105.9	52.9	26.4	17.6	8.8
Oxygen purity:	> 94%									
Oxygen dew point:	-70° C / -94° F									
Gas connector:	Internal 1/2" BSPP thread Adapter kit available for conversion from internal BSPP to external NPT						8/6 mm push on Non threaded fittings			
OZONE GAS										
Ozone production at 13 wt%:	g O ₃ /h	240 - 2400	180 - 1800	120 - 1200	90 - 900	60 - 600	30 - 300	30 - 150	20 - 100	10 - 50
	lb/day	12.7 - 127	9.4 - 94.8	6.3 - 63.2	4.7 - 47.6	3.1 - 31.7	1.5 - 15.8	1.6 - 8.0	1.0 - 5.3	0.5 - 2.6
Concentration:	Standard: 200 g O ₃ /Nm ³ /13 wt% Minimum: 150 g O ₃ /Nm ³ /10 wt% Maximum: 300 g O ₃ /Nm ³ /20 wt%									
Gas connector:	Internal 1/2" BSPP thread Adapter kit available for conversion from internal BSPP to external NPT						8/6 mm push on Non threaded fittings			

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Primozone began redefining ozone technology in 2000. Since 2003, Primozone Production AB has been wholly owned by Westfal-Larsen Technology of Bergen, Norway. Today Primozone's patented technology is used in water treatment installations in more than 40 countries worldwide.

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COOLING WATER									
Water flow (minimum):	5.3 m ³ /h 23.5 GPM	4.0 m ³ /h 17.6 GPM	2.67 m ³ /h 11.8 GPM	2.0 m ³ /h 8.8 GPM	1.33 m ³ /h 5.9 GPM	0.67 m ³ /h 2.9 GPM	0.3 m ³ /h 1.5 GPM	0.2 m ³ /h 1.0 GPM	0.1 m ³ /h 0.5 GPM
Temperature range:	3 - 20° C on incoming 37 - 68° F on incoming								
Target temperature:	10° C on incoming, 15° C on outgoing 50° F on incoming, 59° F on outgoing								
Water pressure range:	0.8 - 6 bar(g) 12 - 87 psig								
Water pressure drop:	0.4 bar(g) 5.8 psig								
Water quality:	Drinking water (98/83/EG) or a closed water loop system								
Water hardness:	< 10° DH to avoid lime scaling								
Hose connector:	1" internal threaded BSPP Adapter kit available for conversion from internal BSPP to external NPT						12/10 mm push in Non threaded fittings		
NOISE									
Noise level:	< 55 dB								
CONTROL SIGNALS									
Communication:	Modbus/IO/HMI								
Controller:	PLC-based control system								
APPROVAL									
The GM-series ozone generators are CE-approved according to the Low Voltage Directive 2006/95/EU (EN60204-1:2006), and it is EMC certified according to EN610000-6-4:2007.									
DISPOSAL									
When a Primozone GM ozone generator is to be disposed of, all the electrical components and other materials must be taken care of in accordance to local regulations for electronic and industrial waste. The GM ozone generators do not contain any radiating or otherwise hazardous materials that require special destruction.									