



Ozonia* M

The Ozone Revolution

Ozonia M

Cost Effective, Compact, Connected

Veolia's Ozonia M ozone generator range incorporates the most advanced ozone production technology from the Ozonia innovation labs.

The Ozonia SmartO3* automation platform adds a suite of new advanced features designed to optimize system performance and enhance reliability.

An innovative design provides improved resistance to environmental conditions and a compact footprint.

Ozonia IGS+ patented ozone generation technology allows lower energy consumption and increased production capacity up to 20 kg O₃/h.



Ozonia SmartO3 Controller

New advanced features make operations and maintenance faster, easier, and less costly

- Real-time data
- Remote access & monitoring



Higher O₃ Concentration

Up to 16 wt%



Increased production capacity at Lower cost

Up to 20% higher production capacity
Reduced cost per kg of ozone capacity



Wider pressure range up to 3.0 bar

Higher ozone gas pressure allows optimization of the surrounding systems and infrastructure



Reliable performance in harsh environments

Reinforced system protection from ambient conditions up to IP65



Reduced energy consumption

Up to 25% reduced energy consumption using ozonia IGS+ technology



User-Friendly & compact design

-25% footprint
Easy plant integration
Wide range of options

Ozone Production Data

Model	Ozone Production (kg/h, lbs/day) ⁽¹⁾		Volume Gas Flow (Nm ³ /h)		Cooling Water Flow (m ³ /h)
	Oxygen	Air	Oxygen	Air	
M-04	3.4, 180	1.7, 91	1.7 - 31	2 - 40	3.8
M-06	5.4, 287	2.7, 144	2.4 - 49	3.2 - 63	6.7
M-08	7.7, 408	3.9, 206	3.4 - 69	4.5 - 90	9.5
M-10	10.5, 557	5.3, 280	4.9 - 95	6.1 - 123	12.6
M-12	13.7, 726	6.9, 367	6.3 - 123	8 - 160	16.4
M-16	17.1, 906	8.7, 458	7.7 - 154	10 - 200	20.4
M-20	20.5, 1086	10.4, 549	9.1 - 185	12 - 240	24.1

⁽¹⁾ The ozone concentration range is up to 16 wt% when fed with oxygen and up to 5 wt% when fed with dry air.

Model Data

Model	Dimensions (w x d x h)		Weight	
	inch	mm	lb	kg
M-04	114 x 43 x 78	2900 x 1100 x 2000	4299	1950
M-06	114 x 43 x 78	2900 x 1100 x 2000	4409	2000
M-08	114 x 43 x 78	2900 x 1100 x 2000	4519	2050
M-10	114 x 55 x 81	2900 x 1400 x 2080	5622	2550
M-12	114 x 55 x 81	2900 x 1400 x 2080	5952	2700
M-16	114 x 55 x 81	2900 x 1400 x 2080	6283	2850
M-20	114 x 55 x 81	2900 x 1400 x 2080	7055	3200

Connectivity Features

- **Real-Time Optimization**
 - All critical system data and information is available in real time
 - Automatic optimization for ozone production
 - Automatic compensation for variations in system parameters (power, gas pressure, flow rate, ozone concentration)
- **Flexibility**
 - Access to ozone system data using the local network
 - Additional remote device connections
 - Simple integration to SCADA for all major automation platforms
- **Continuous Monitoring**
 - Optimized continuity of service, availability and data quality
 - Optional network-based control capability
 - Entire ozone system monitored to reduce risk for human error

Technical Features

- **Ambient Temperature:** +5 to 55°C
- **Design Altitude:** < 1,000m.a.s.l.
- **Humidity:** RH up to 96% (yearly average)
- **Voltage:** 3 x 360 to 495 VAC
- **Frequency:** 50 / 60 Hz
- **Rating:** up to IP65
- **O₃ Production Turndown** 200:1

Technical Options

- PROFINET / MODBUS TCP / OPC UA
- Concentration analyzer
- Regulating valves
- All remote, process and alarm signals provided over bus communication
- WiFi ready
- Remote troubleshooting, software / firmware updates, and performance audits

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