

O₃ M Series

triogen[®] O₃ M Series ozone generators are utilised for large volumes of water. These self-contained units provide exceptional disinfection with effective treatment against chlorine resistant micro-organisms, oxidation of various organic matter and flocculation of colloidal particles, which significantly improves water quality.

APPLICATIONS

- Commercial pools
- Hotel and club pool
- Aquariums and water parks
- Fountains and features waters

BENEFITS

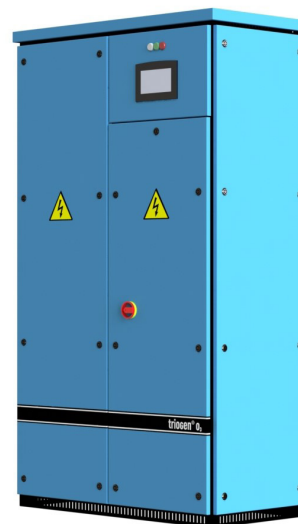
- Safely lower free chlorine residual with effective disinfection including chlorine resistant micro-organisms
- Chloramine destruction reducing "red eye" and irritation of skin and respiratory system
- Significant improvement in water clarity and air quality
- Helps to inhibit the growth of algae
- Trihalomethane (THM) levels are minimised
- Simple to install and operate with minimal plant room space requirement
- Designed for maximum operator and bather safety

MAIN FEATURES

- Ozone safely generated and injected under vacuum
- Patented 'Free tube' ozone module design
- Colour touch screen 7" HMI on control panel
- Self-contained system (single enclosure)
- Refrigerated air pre-dryer (M7 models only)
- Dew point Monitor (standard on M7 or optional on M6)
- triogen[®] O3 M models can be supplied with constant ozone output or automatic regulation to suit the intended process.
- The system operates under vacuum conditions created by a water driven venturi ensuring maximum safety in operation.
- Internal partitioning with removable access doors for ease of maintenance
- Pool water used as cooling water medium
- CE certified, manufactured to ISO 9001 : 2015

TECHNOLOGY

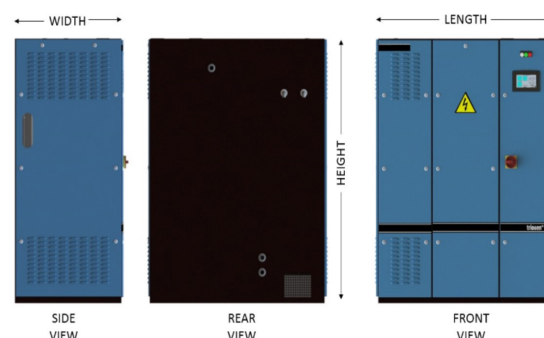
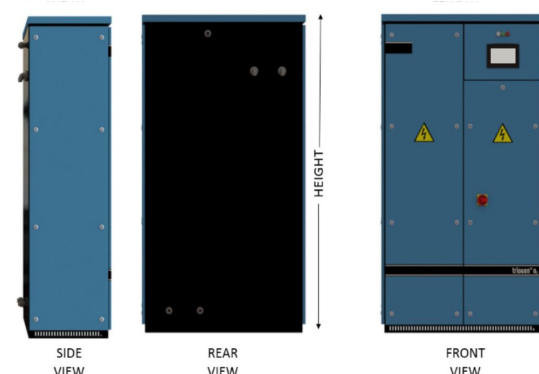
- Ozone is produced when air is passed over a dielectric ozone generating module. triogen[®] O3 incorporates the patented "Free Tube" module design which gives excellent dielectric reliability and decreases maintenance requirements.
- The ozone modules have a PVC outer body fitted with stainless steel liner tubes to give long term resistance to chlorinated water allowing pool water to be used in the generator cooling system.
- The dielectric tubes and electrodes are suspended within the liner tubes which removes expansion stresses from the dielectrics which results in maximum reliability and long life.



TECHNICAL DATA M6 MODEL	Ozone Output	Air Flow	Power Consumption	l x H x W
	g/h	m ³ h	kW	mm
M6-15S	15	0.7	0.60	1060 x 1880 x 530
M6-25S	25	1.3	0.89	1060 x 1880 x 530
M6-50S	50	2.7	1.47	1060 x 1880 x 530
M6-100S	100	5.4	2.85	1060 x 1880 x 530
M6-150S	150	8.1	4.2	1060 x 1880 x 1030
M6-200S	200	10.8	5.7	1060 x 1880 x 1030

M6-20A	20	0.7	0.86	1060 x 1880 x 530
M6-33A	33	1.3	1.30	1060 x 1880 x 530
M6-65A	65	2.7	1.80	1060 x 1880 x 530
M6-130A	130	5.4	3.00	1060 x 1880 x 530
M6-190A	190	8.1	4.5	1060 x 1880 x 1030
M6-260A	260	10.8	6.6	1060 x 1880 x 1030

TECHNICAL DATA M7 MODEL	Ozone Output	Air Flow	Power Consumption	l x H x W
	g/h	m ³ h	kW	mm
M7-65A	65	2.7	2.5	1370 x 1800 x 830
M7-130A	130	5.4	3.9	1370 x 1800 x 830
M7-190A	190	8.1	5.4	1370 x 1800 x 830
M7-260A	260	10.8	7.6	1370 x 1800 x 830
M7-320A	320	13.5	10.0	1880 x 1800 x 830
M7-390A	390	16.2	12.2	1880 x 1800 x 830
M7-450A	450	18.9	14.4	2390 x 1800 x 830
M7-520A	520	21.6	16.2	2390 x 1800 x 830
M7-580A	580	24.3	18.0	2900 x 1800 x 830
M7-650A	650	27	20.6	2900 x 1800 x 830
M7-750A	750	32.4	23.8	1880 x 1800 x 1660



QUALITY STANDARDS

- ISO 9001 : 2015
- CE Approved

ELECTRICAL SUPPLYS

380-415V/3ph/50-60Hz

Voltage to be confirmed at time of order

MATERIALS

- Enclosures: mild steel, polyester coated
- Patented Ozone module: 316L stainless steel lined PVC outer body
- Air dryer: mild steel, epoxy coated

CONTACT

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REMOTE CONTROLS AND SIGNALS

- Digital Inputs: Remote booster pump start-stop, remote ozone start-stop, ozone output
- Digital outputs: Booster pump fault, ozone ON
- Dew point meter (if dew point monitor is fitted)
- Air flow alarm switch
- Water flow switch
- Remote 4-20mA control



OPTIONS

- Standard ("S") constant output or Automatic ("A") constant
- Dew point monitoring system (standard on M7 models)
- Metric/Imperial connections provided.

Your local distributor:

Miracle

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