

M7 Ozone Generator

OZONE

The M7 ozone generator offers full ozone treatment for large commercial swimming pools. This self-contained unit provides exceptional disinfection and significantly improves water quality.

APPLICATIONS

- Swimming pool disinfection

MAIN CHARACTERISTICS

- Ozone system producing up to 650 g/h for swimming pool disinfection

MAIN FEATURES

- 'Free Tube' ozone module design
- Refrigerated pre-dryer for high plant room temperatures
- Constant dewpoint monitoring of dry air feed gas
- Proven ability to safely lower free chlorine residual
- Effective against chlorine resistant micro-organisms
- Very low THM levels
- Simple to install and operate with vacuum operation for safety



OZONE TECHNOLOGY : M7 OZONE SYSTEM

The M7 is designed for disinfection of large commercial swimming pools. Ozone provides effective treatment against chlorine resistant micro-organisms and significantly improves water clarity.

The M7 generators are self contained, with air pre-chiller, integral air dryer, dewpoint monitoring system, ozone generation equipment and full electrical controls.

All components are housed within one enclosure, with internal partitioning and removal access doors for ease of maintenance. Both the air drying system and the ozone generation system operate under vacuum conditions thereby eliminating the risk of ozone gas escape.

HOW IT WORKS

Ozone is produced when air is passed over a dielectric ozone generating module. The M7 range incorporate the patented 'Free Tube' module design which give excellent dielectric reliability and decreases maintenance requirements. The ozone modules have a PVC outer body fitted with stainless steel liner tubes to give excellent 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 all expansion stresses from the dielectrics which results in maximum reliability and long life.

The ozone power supply system incorporates a frequency inverter that increases the mains frequency to maximise ozone production and also allows fully variable automatic control of the ozone output.

All models can be supplied either with constant ozone output or with totally automatic ozone output variation and easy to operate electrical controls.



TECHNICAL DATA M7 MODEL	Feed Gas	Ozone Output	Cooling Water Flow	Power Consumption	Panel (mm/inch)		L x H x W	
	m ³ /h	g/h	l/h	kW	A	B	mm	in.
M7WC65	2.7	65	250	2.4	915/36.02	455/17.91	1370 x 1800 x 830	53.94 x 70.87 x 32.68
M7WC130	5.4	130	500	3.9	915/36.02	455/17.91	1370 x 1800 x 830	53.94 x 70.87 x 32.68
M7WC190	8.1	190	750	5.4	915/36.02	455/17.91	1370 x 1800 x 830	53.94 x 70.87 x 32.68
M7WC260	10.8	260	1000	7.6	915/36.02	455/17.91	1370 x 1800 x 830	53.94 x 70.87 x 32.68
M7WC320	13.5	320	1250	10.0	1425/56.10	455/17.91	1880 x 1800 x 830	74.00 x 70.87 x 32.68
M7WC390	16.2	390	1500	12.2	1425/56.10	455/17.91	1880 x 1800 x 830	74.00 x 70.87 x 32.68
M7WC450	18.9	450	1750	14.4	1935/76.18	455/17.91	2390 x 1800 x 830	94.09 x 70.87 x 32.68
M7WC520	21.6	520	2000	16.2	1935/76.18	455/17.91	2390 x 1800 x 830	94.09 x 70.87 x 32.68
M7WC580	24.3	580	2250	18.0	1935/76.18	455/17.91	2390 x 1800 x 830	94.09 x 70.87 x 32.68
M7WC650	27.0	650	2500	20.6	1935/76.18	455/17.91	2390 x 1800 x 830	94.09 x 70.87 x 32.68

(1) > 30°C

TECHNICAL FEATURES

- BS EN ISO 9002:94
- CE Approval

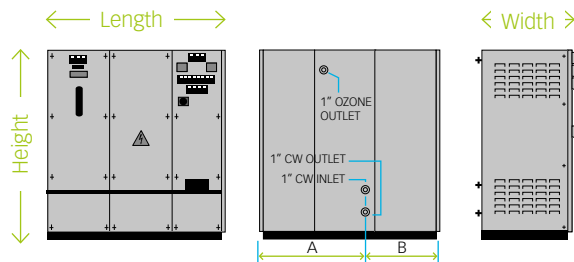
MATERIALS

- Enclosures: mild steel, epoxy coated
- Ozone Module: 316 stainless steel electrode assembly inside a stainless steel lined PVC outer body
- Air Dryer: mild steel, epoxy coated

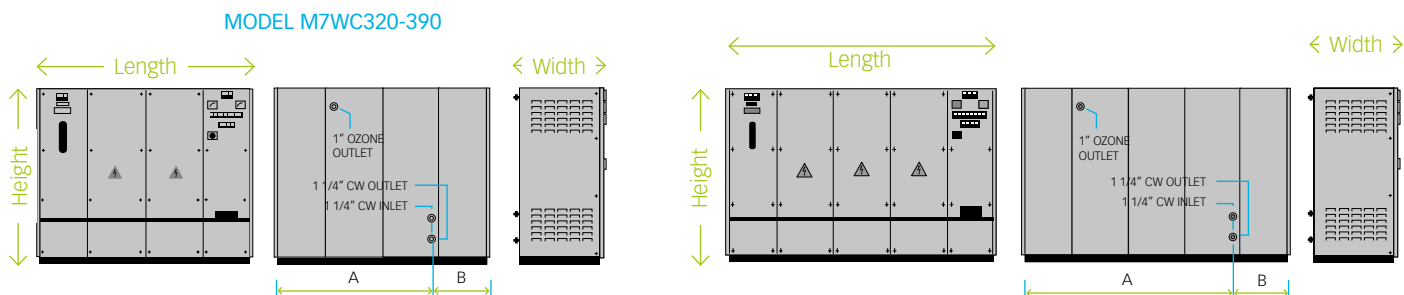
REMOTE CONTROLS AND ALARMS

- Fault: red illuminated indicators
- Dew point meter
- Air flow alarm switch
- Water flow switch

MODEL M7WC65-260



MODEL M7WC450-650



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