

M6 OZONE GENERATOR



HEADWORKS
BIOLOGY
SEPARATION
MEMBRANE
▶ DISINFECTION
BIOSOLIDS
SYSTEMS

OZONE COMMERCIAL SWIMMING POOL SELF-CONTAINED



- ▶ Applications
 - Swimming pool disinfection
- ▶ Main characteristics
 - Ozone system producing up to 200 g/h for swimming pool disinfection

The M6 ozone generator offers full ozone treatment for large commercial swimming pools. This self-contained unit provides exceptional disinfection and significantly improves water quality.

MAIN FEATURES

- 'Free Tube' ozone module design
- Proven ability to safely lower free chlorine residual
- Effective against chlorine resistant micro-organisms
- Reduced skin and eye irritation
- Very low THM levels
- Simple to install and operate with vacuum operation for safety
- Pool water can be used for cooling and returned to the system
- Ozone produced under negative pressure for operator safety

OZONE TECHNOLOGY: M6 OZONE SYSTEM

The M6 is designed for disinfection of large commercial swimming pools. Ozone provides effective treatment against chlorine resistant micro-organisms and significantly improves water clarity. The M6 generators are self contained, with integral air dryer, 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 M6 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. 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

M6 Model	Feed Gas	Ozone Output	Cooling Water Flow ⁽¹⁾	Power Consumption
	m ³ /h	g/h	l/h	kW
M6WC15	0.7	15	100	0.60
M6WC25	1.3	25	150	0.89
M6WC50	2.7	50	250	1.47
M6WC100	5.4	100	500	2.85
M6WC150	8.1	150	750	4.2
M6WC200	10.8	200	1000	5.7

(1) > 30°C

► Standards

- BS EN ISO 9002:94
- CE Approval

► Remote controls and signals

- **Digital Inputs:** Remote Booster Pump Start-Stop
Remote Ozone Start-Stop
- **Digital Outputs:** Booster Pump Fault
Ozone ON

► Materials

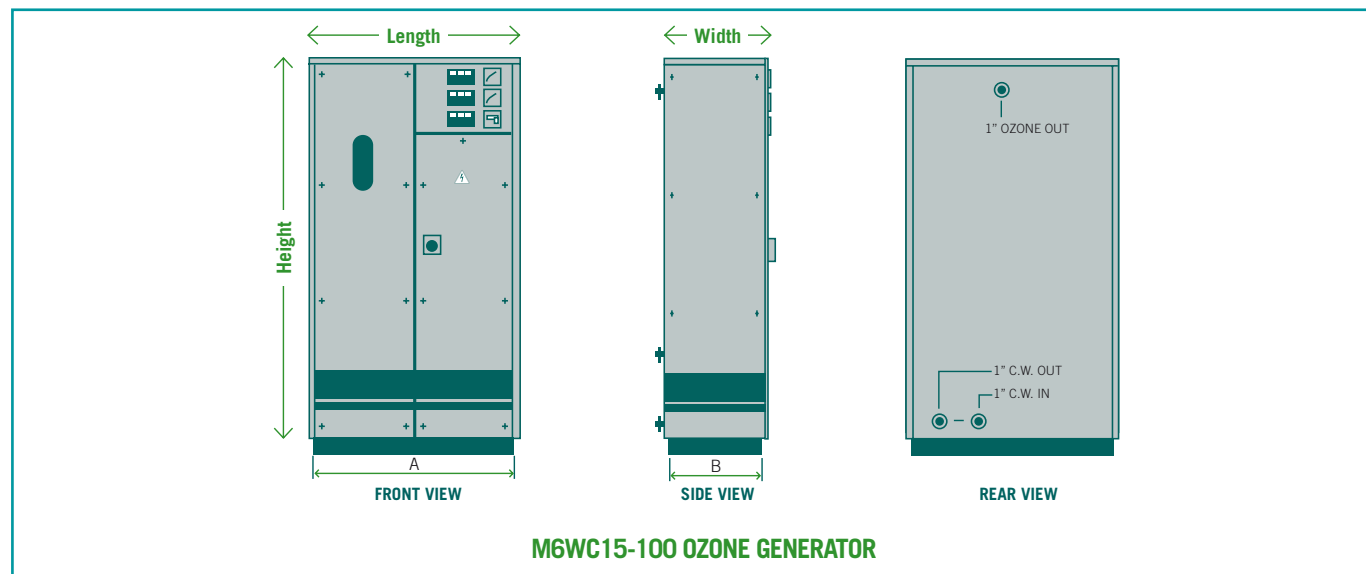
- **Enclosures:** mild steel, epoxy coated
- **Ozone Module:** 316 stainless steel electrode assembly inside a stainless steel lined PVC outer body
- **Air Dryer:** twin column heat regenerated

► Options

- Dew Point Monitoring System

DIMENSIONS

M6 Model	Panel (mm/inch)		l x h x w	
	A	B	mm	inch
M6WC15	1020/47.24	510/20.08	1060 x 1880 x 530	41.72 x 74.02 x 20.87
M6WC25	1020/47.24	510/20.08	1060 x 1880 x 530	41.72 x 74.02 x 20.87
M6WC50	1020/47.24	510/20.08	1060 x 1880 x 530	41.72 x 74.02 x 20.87
M6WC100	1020/47.24	510/20.08	1060 x 1880 x 530	41.72 x 74.02 x 20.87
M6WC150	1020/47.24	1010/39.76	1060 x 1880 x 1030	41.72 x 74.02 x 20.87
M6WC200	1020/47.24	1010/39.76	1060 x 1880 x 1030	41.72 x 74.02 x 20.87



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