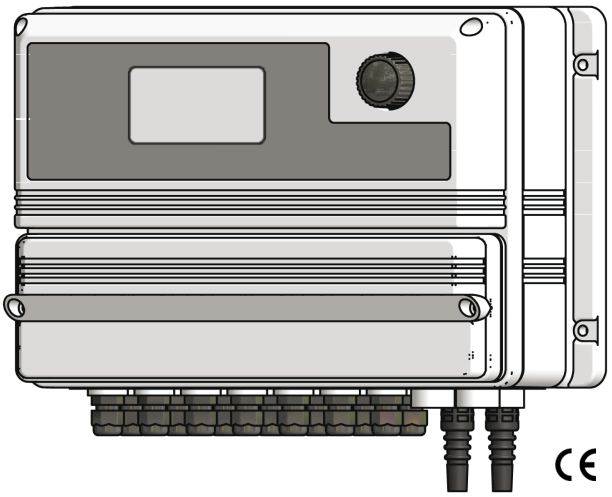
"MTOWER CL"
CONTROL INSTRUMENT

Data Sheet



MTOWER CL is a fully featured cooling towers controller for Chlorine and Conductivity, with two-way biocide options and inhibitor / bleed control.

Wheel Control with easy setup interface.

Communication Ready.

FEATURES

- 2 channels controlling system
- Large LCD backlight graphic display
- Wheel control with easy setup interface
- Bleed and Feeders live display
- Universal power supply
- Permanent data storage
- Multiple alarms control :
  - Hi & Low conductivity
  - Hi & Low Chlorine
  - Bleed timeout
  - Chemicals level
  - Flow

INPUTS

- Conductivity probe
- Temperature probe (compensated)
- Flow meter makeup
- Flow meter bleed
- 2 Biocide levels
- 2 Biocide activator levels
- Inhibitor level
- Flow sensor
- Chlorine amperometric cell
- Chlorine level

OUTPUTS

- Bleed
- Inhibitor
- 2 Biocides
- 2 Biocides activators
- Alarm
- 0/20 or 4/20 mA Conductivity
- 0/20 or 4/20 Chlorine
- 0/20 or 4/20 Temperature
- 1 proportional Chlorine
- 1 digital Chlorine
- Serial Port
- Inhibitor proportional

Via Donatori di Sangue, 1 - 02100 Rieti (Italy)
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Specifications subject to change without notice | R2025

emec SIMPLE AS WATER

IQNET CERTIFIED MANAGEMENT SYSTEM
qualityaustria SYSTEM CERTIFIED
ISO 9001:2015 No.07728/0
ISO 14001:2015 No.00997/0
ISO 45001:2018 No.01121/0

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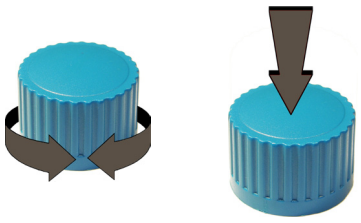
ELECTRICAL

SIGNAL INPUT
Terminal block

POWER SUPPLY
UNIVERSAL 90÷265 VAC; 50/60 Hz

POWER CONSUMPTION
Average 20 W

THE WHEEL CONTROLLING SYSTEM



CONTROL PARAMETERS

Conductivity
Timer 1 (1 - 2 - 4 Weeks)
Timer 2 (1 -2 - 4 Weeks)

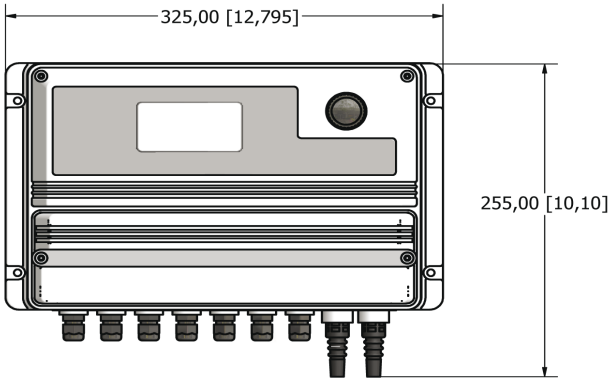
Inhibitor:

- Feed and Bleed
- Feed as a percentage of bleed
- Feed as a percentage of time
- Driven by pulse sender water meter
- PPM setup with water meter

- Chlorine
- PWM / On-Off
- Proportional

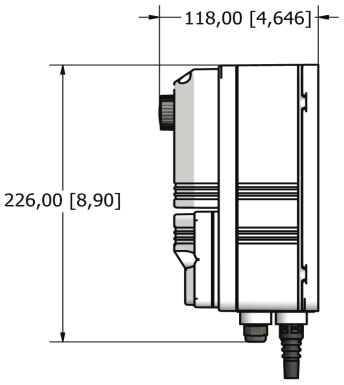
ENCLOSURE

IP65 enclosure (NEMA4x)
MTOWER CL control instruments are manufactured in ABS housing to ensure protection against aggressive chemicals and tough environment.



ENVIRONMENT

-10°C ÷ 50°C (14°F ÷ 122°F)
0÷95% (non condensing) relative humidity



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