PULSAFEEDER®

MicroVision Conductivity Cooling Tower Controller Standard with Toroidal Sensor Technology! Toroidal sensors are not susceptible to fouling and eliminate the need for routine cleaning and calibration.

The MicroVision is a microprocessor-based conductivity controller with selectable timer and dual biocide control. Designed specifically for cooling tower applications, MicroVision comes standard with the features and functions you need for accurate monitoring and control of cooling tower water. The MicroVision is a full function controller in a compact package that won't break your budget!

The MicroVision controller comes standard with selectable timer, Dry contact/Hall Effect water meter input, dual biocide with pre-bleed, lockout, inhibitor interface, and four programmable start times per biocide, 4-20mA output, dry contact alarm output and 3 drum level inputs.

The base unit comes with the controller, toroidal sensor with signal cable, and a power cord. Pre-wired pigtails on the relays, and a pre-wired flow switch are available to make installation quick and easy. A 15' signal cable is standard, up to 100' optional, on models without a flow switch, and a 3' cable is standard on models with a flow switch.

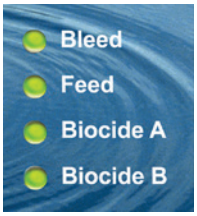
FEATURES

- Toroidal conductivity sensor factory calibrated and maintenance free.
- Large graphical display with large, easy to read font.
- Statistics screen with relay run time.
- Flow switch input.
- (3) drum level inputs.
- 4-20 mA isolated analog output.
- Dry contact alarm output.
- Battery backup.
- Selectable timer (limit, %, % post bleed with limit, and water meter).
- Dry contact/Hall Effect water meter input.
- Dual biocide control.
- Bleed output supports solenoid valve or motorized ball valve.

OPERATING BENEFITS

- Easy to use.
- No calibration required.
- Reduced potential for fouling.
- Easy Installation.
- Two year warranty.
- Large range: 0 – 9,999 µS/cm.
- Simple user interface.
- Compact size saves space and reduces freight cost.

CONTROLS



Bleed

- Solenoid valve or motorized ball valve.

Feed

- Inhibitor.

Biocides

- Dual biocid with pre-bleed, lockout, inhibitor interface, and four programmable start times per biocide.

Intertek 9700150

MicroVision Cooling Tower Controller

SPECIFICATION AND MODEL SELECTION

MODEL	Voltage	Relay & Power Wiring	Panels
MVS1PA-XXX	115V	Prewired w/ pigtails	Standard Panel & Flow Assembly
MVS1PA-CZXXX	230V	Conduit	Standard Panel & Flow Assembly
MVS1PC-XXX	115V	Prewired w/ pigtails	Panel & Flow Assy, 2 Pump Mount, Strainer, Sensor Tee, 2 Inj Tees & Rails
MVS1PD-XXX	115V	Prewired w/ pigtails	Panel & Flow Assy, 3 Pump Mount, Strainer, Sensor Tee, 3 Inj Tees & Rails
MVS1PD-CZXXX	230V	Prewired w/ pigtails	Panel & Flow Assy, 3 Pump Mount, Strainer, Sensor Tee, 3 Inj Tees & Rails
MVS1PF-XXX	115V	Prewired w/ pigtails	Flow Assembly, No Panel
MVS1PF-CZXXX	230V	Conduit	Flow Assembly, No Panel
MVS1PX-XXX	115V	Prewired w/ pigtails	No Flow Assembly & No Panel
MVS1XX-XXX	115V	Conduit	No Flow Assembly & No Panel
MVS1XX-CZXXX	230V	Conduit	No Flow Assembly & No Panel

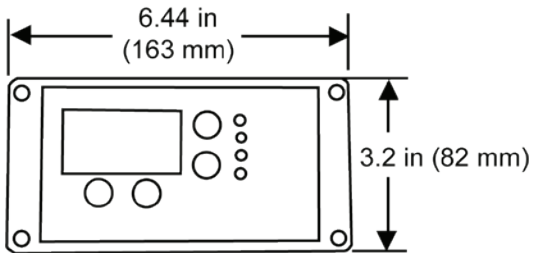
CE approved, non-prewired models, or 230 VAC, change the end of the code from "-XXX" to "-CZXXX"

ENGINEERING DATA

Controller Specifications	
Enclosure	IP65 / NEMA 4X
Temperature Range	122^{0}F / 50^{0}C
Power Supply	90 VAC – 240 VAC / 50/60Hz / 5A
Control Output	5 Amps max
Display	LCD
Set Point Range	0 - 9,999 µS/cm
Languages	English Spanish Portuguese

Sensor Specifications	
Maximum Temperature	122^{0}F / 50^{0}C
Flow Switch Activate Flow Rate	Approx. 1 GPM / 3.78 LPM
Conductivity Temp. Compensation Range	32^{0}F - 122^{0}F / 0^{0}C - 50^{0}C
Maximum Pressure	125 PSI (8.6 BAR)
Flow Switch Materials of Construction	PVC and Glass Filled Polypropylene
Sensor Type	Toroidal Conductivity
Cable Length, Standard	15' / 4.5m
Cable Length, Maximum	100' / 30.5m
Thread Size	0.5" Standard Thread-Excludes Tee and Reducer
Maximum Outside Diameter	1.5" / 38mm-Excludes Tee and Reducer
Materials of Construction	Virgin Polypropylene

DIMENSIONS



PULSAFEEDER®
27101 Airport Road
Punta Gorda, FL 33982
Tel: (941) 575-3800
Fax: (941) 575-4085
www.pulsatron.com

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