



# ***MicroTrac*** ***MicroVision*** **COOLING TOWER CONTROLLERS**

**SIMPLE, RELIABLE AND AFFORDABLE.**



SIMPLE, RELIABLE, DEPENDABLE

## ***MICROVISION AND MICROTRAC***

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***Pulsafeeder simplifies advanced controller technology.***

Pulsafeeder's line of Cooling Tower Controllers are designed for simplicity and reliability. Offering affordable, high performance MicroVision and MicroTrac Controllers are specifiable and intuitive. Pulsafeeder Cooling Tower Controllers provide you the control of your cooling tower system, with the ability to accurately control the level of dissolved solids, conductivity, makeup, corrosion inhibitor, biocide chemicals, feed inhibitor and much more. With multiple control options available in Pulsafeeder Cooling Tower Controllers we are sure to have a unit to fit your Cooling Tower needs.



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# MICROVISION & MICROTRAC MICROPROCESSOR BASED CONTROL.

The MicroTrac is a feed and bleed, toroidal conductivity controller designed to control conductivity and feed inhibitors. MicroTrac measures the conductivity of the systems recirculating water via a toroidal conductivity sensor. The controller activates two independent relay outputs based on bleed and a selectable feed mode of operation. The MicroTrac conductivity controller has a 0 - 9,999  $\mu\text{S}/\text{cm}$  range, making it ideal for cooling tower applications as well, such as rinse, industrial process, wastewater, etc.

Control options include: • **Conductivity with feed and bleed**

The MicroVision is a toroidal 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!

Control options include: • **Conductivity Control**

## TOROIDAL SPECIFICATIONS

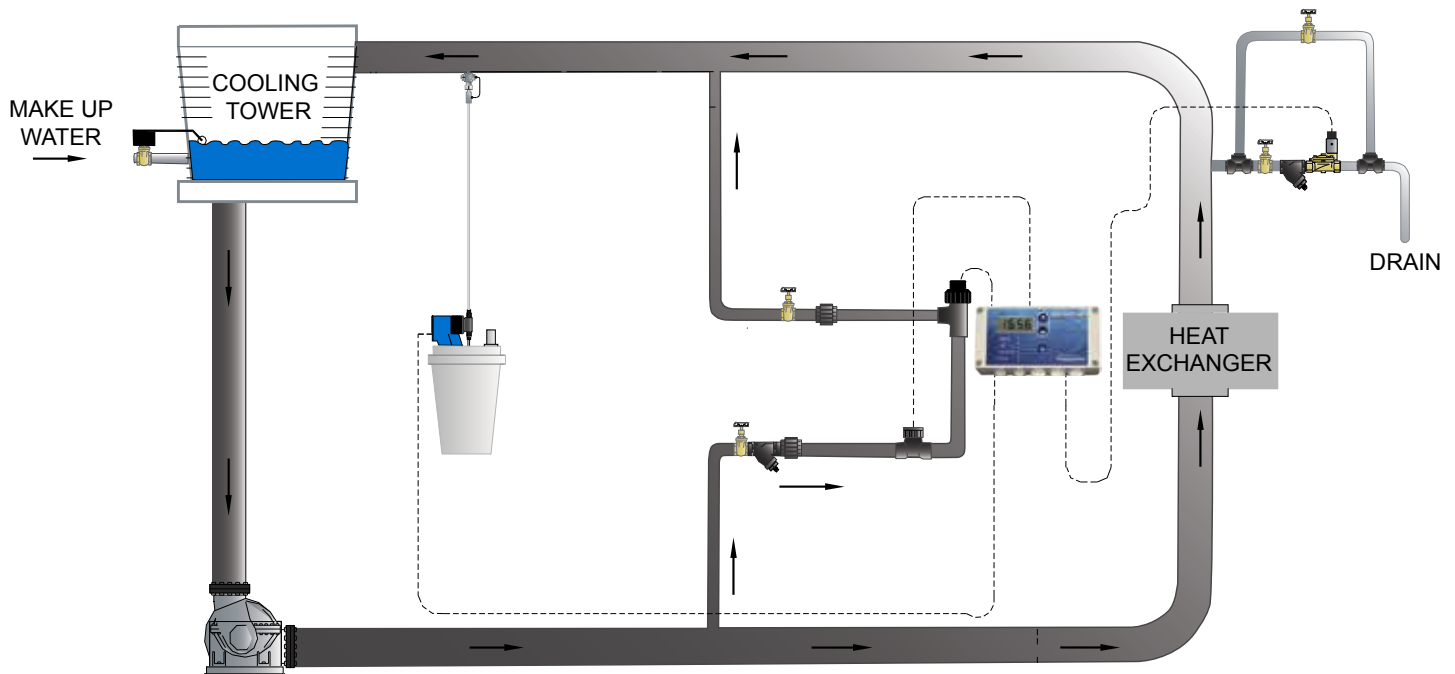
- Maximum Temperature: 122°F / 50°C
- Temperature Compensation Range: 32°F - 122°F / 0°C - 50°C
- Maximum Pressure: 125 PSI (8.6 BAR)
- Sensor Type: Toroidal
- Cable Length, Standard: 15' / 4.5 m
- Cable Length, Maximum: 750' / 228.6 m
- Materials of Construction: Virgin Polypropylene

## INNOVATIVE TOROIDAL SENSOR TECHNOLOGY.

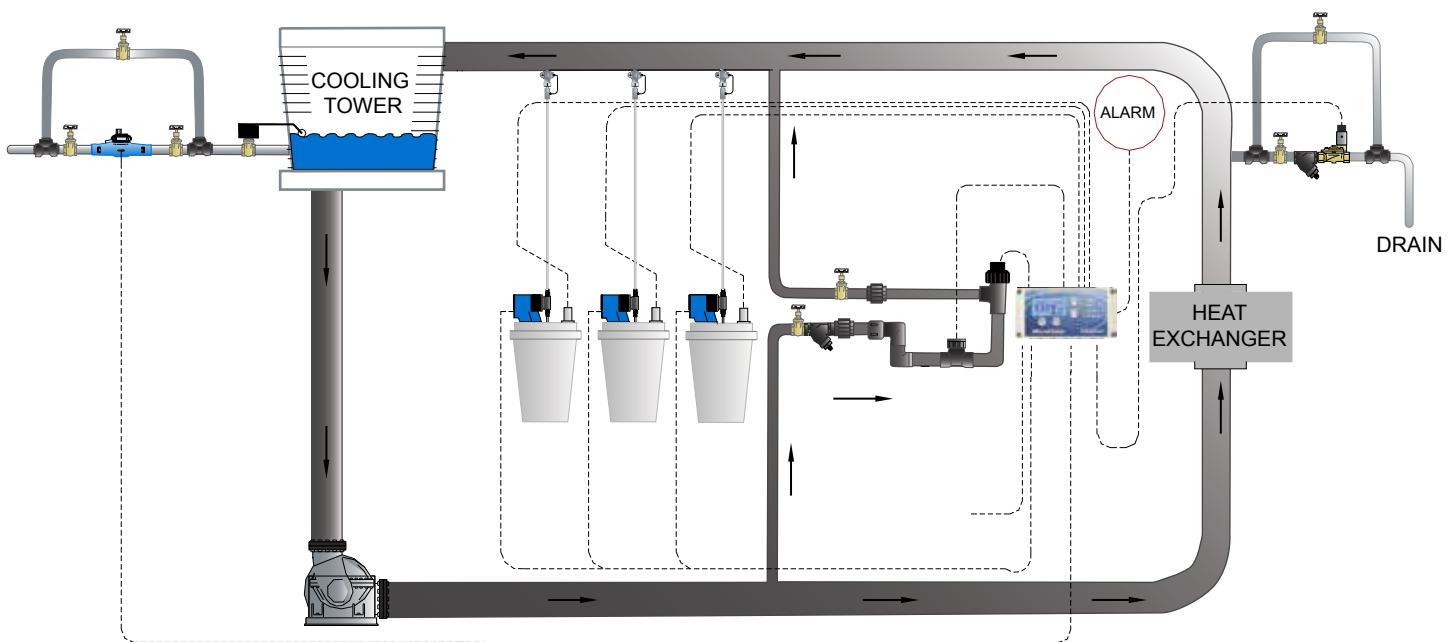
Pulsafeeder's toroidal conductivity sensor, factory-calibrated for the life of the probe to eliminate routine calibrations and save you valuable service time and money. Because the sensor features no exposed electrodes, cleaning, downtime and erroneous conductivity readings are eliminated when installed according to the manufacturer's instructions.



# MICROTRAC TYPICAL APPLICATION



# MICROVISION TYPICAL APPLICATION



## TYPICAL INSTALLATION INCLUDES

- Solenoid Valve
- Water Meter
- Isolation Valves
- Metering Pumps

All Available from Pulsafeeder!





# FEATURES & FUNCTIONS TO BETTER SERVE YOUR CUSTOMERS.

As a longtime recognized leader in fluids handling technology, Pulsafeeder is setting the standard for the development of controller technologies through our proven MicroTrac and MicroVision control platforms. Rely on our MicroVision and MicroTrac controllers for features that allow you to better serve your customers' specific needs – all while making your job easier.



## SIMPLE PROGRAMMING, EASY TO INSTALL AND USE.

- Soft keys touch pad programming
- Intuitive menus make program adjustments easy & understandable
- Pre-wired and conduit connection options make easy installation
- Large graphical display
- LED function indicators
- Touch pad program keys provide clear and precise system information



## TOROIDAL CONDUCTIVITY PROBE BRINGS SUPERIOR RELIABILITY AND SAVINGS.

- Factory-calibrated and maintenance-free for the life of the probe
- Not susceptible to sensor fouling, which eliminates cleaning downtime and erroneous conductivity readings
- No annual replacement needed
- No exposed electrodes
- No need to complete routine calibrations, which saves time and money and reduces downtime for your customers



## ROBUST AND HEAVY DUTY.

- NEMA 4X rated enclosure
- Easy installation
- Battery backup
- Two year warranty

# MicroVision



## FEATURES AND BENEFITS.

### SELECTABLE TIMERS

Limit  
Percentage  
% Post bleed with limit  
Water meter  
Dual biocide control

### DIGITAL INPUTS

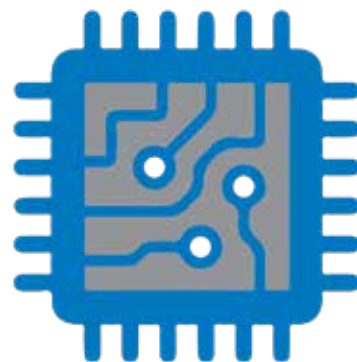
Flow switch  
3 Drum level  
Dry contact water meter  
Hall effect

### OUTPUTS

4-20 mA isolated analog  
Dry contact alarm  
Bleed (Solenoid valve or motorized ball valve)

### STATISTICS SCREEN

Relay run time



## CONTROLS.

### BLEED

Solenoid valves, or motorized ball valves.

### FEED

Inhibitor

### BIOCIDES

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

# MicroTrac

## FEATURES AND BENEFITS.

### LARGE RANGE

0-9,999  $\mu\text{S}/\text{cm}$

### SETPOINTS

Selectable rising or falling.  
Open or closed loop control.

## CONTROLS.

### TIMERS

Water meter pulse timer  
Percentage timer  
% Post bleed timer  
Limit timer

## SYSTEM OPTIONS



### FLOW ASSEMBLY

Optional

- 125 psi max
- Available with or without panel



### STANDARD PANEL AND FLOW ASSEMBLY

Optional

- Flow Assembly per mounted on poly panel
- Quick, simple installation



### PANEL MOUNTED WITH PUMPS

Optional

#### MICROTRAC, PANEL & FLOW ASSEMBLY

- includes 1 pump mount, in/out ball valves, strainer, inj. tee & rails

#### MICROVISION, PANEL & FLOW ASSEMBLY

- includes from 1 to 3 pump mount(s), strainer, sensor tee, inj. tee(s) & rails



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