

# PULSAFEEDER®

MicroVision Conductivity Cooling Tower Controller  
Standard with Toroidal Sensor Technology!

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!

## Features

- Toroidal conductivity sensor.
- 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.

## Controls



### Bleed

- Solenoid valve or motorized ball valve

### Feed

- Inhibitor

### Biocides

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

## Operating Benefits

- Easy to use.
- No need to recalibrate.
- Reduced potential for fouling.
- Easy Installation.
- Two year warranty.
- Large range: 0 – 9,999  $\mu\text{S}/\text{cm}$ .
- Compact size saves space and reduces freight cost.



## Aftermarket

- Solenoids
- Motorized Ball Valves
- Water Meters
- Corrosion Coupon Racks
- Metering Pumps (PULSAtron, XP Series)



**MicroVision**  
Cooling Tower Controller

# MicroVision Cooling Tower Controller

## Specifications and Model Selection

MicroVision Selection Guide		MVS	-	-	-	-
<b>PRODUCT DESIGNATOR</b> Position 1, 2 & 3	<b>MVS</b>	= MicroVision Toroidal Conductivity Cooling Tower Controller				
<b>VOLTAGE</b> Position 4	<b>1</b>	= 115 volt				
	<b>2</b>	= 230 volt (no prewired power cord or relays available)				
<b>POWER WIRING</b> Position 5	<b>X</b>	= Conduit connections ( required for 230 VAC)				
	<b>L</b>	= Liquidtight connections				
	<b>P</b>	= Prewired power cord and pigtails				
<b>PANELS</b> Position 6	<b>X</b>	= No Panel and No Flow assembly				
	<b>F</b>	= Flow assembly, No Panel				
	<b>A</b>	= Standard Panel & Flow Assembly				
	<b>B</b>	= Panel & Flow Assy, 1 Pump Mount, strainer, sensor tee, inj tee & rails				
	<b>C</b>	= Panel & Flow Assy, 2 Pump Mount, strainer, sensor tee, 2 inj tees & rails				
	<b>D</b>	= Panel & Flow Assy, 3 Pump Mount, strainer, sensor tee, 3 inj tees & rails				
<b>SUFFIX CODE</b> Position 7, 8 & 9	<b>XXX</b>	= Suffix Code				
	<b>750</b>	= 3/4" Back Flow Check Valve				
	<b>PC025</b>	= 25 Feet (7.6m)				
	<b>PC050</b>	= 50 Feet (15.2m)				
	<b>PC075</b>	= 75 Feet (22.8m)				
	<b>PC100</b>	= 100 Feet (30.4m)				
	<b>CZ_XXX</b>	= CE Approval (CZXXX=Europe; CZUKXXX=UK; CZSUIXXX=Switzerland/Liechtenstein)				

### Engineering Data Controller

<b>Enclosure:</b>	NEMA 4X / IP65
<b>Power Supply:</b>	90VAC / 50/60Hz / 5A 250 VAC / 50/60Hz / 5A
<b>Control Output:</b>	5 Amps max
<b>Display:</b>	LCD
<b>Set Point Range:</b>	0 – 9,999 µS/cm
<b>Languages:</b>	English Spanish Portuguese

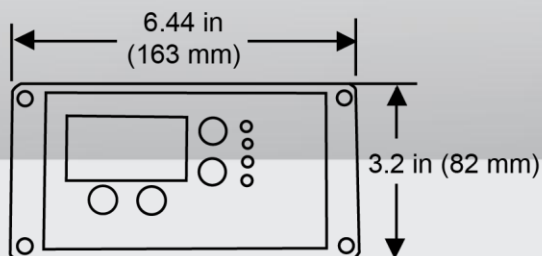
### Engineering Data Sensor

<b>Maximum Temperature:</b>	122°F / 50°C
<b>Temperature Compensation Range :</b>	32°F - 122°F / 0°C - 50°C
<b>Maximum Pressure:</b>	125 PSI (8.6 BAR)
<b>Sensor Type:</b>	Toroidal
<b>Cable Length, Standard:</b>	15' / 4.5m
<b>Cable Length, Maximum:</b>	100' / 30.5 m
<b>Thread Size:</b>	0.5" Standard thread-Excludes Tee and Reducer
<b>Maximum Outside Diameter:</b>	1.5" / 38mm-Excludes Tee and Reducer
<b>Materials of Construction:</b>	Virgin Polypropylene

### Engineering Data Flow Switch

<b>Maximum Temperature:</b>	122°F / 50°C
<b>Maximum Pressure:</b>	125 PSI (8.6 BAR)
<b>Activate Flow Rate:</b>	Approximately 1 GPM / 3.78 LPM
<b>Materials of Construction:</b>	PVC and Glass filled Polypropylene

### Dimensions



### Custom Engineered Designs – MicroVision Panel Mount



#### Systems

Pulsafeeder's MicroVision Systems are designed to provide complete chemical feed solutions for all electronic metering applications. From stand alone simplex pH control applications to full-featured, redundant sodium hypochlorite disinfection metering, these rugged fabricated assemblies offer turn-key simplicity and industrial-grade durability. The UV-stabilized, high-grade HDPE frame offers maximum chemical compatibility and structural rigidity. Each system is factory assembled and hydrostatically tested prior to shipment.



27101 Airport Road  
Punta Gorda, FL 33982  
Phone: ++1(941) 575-3800  
Fax: ++1(941) 575-4085

www.pulsatron.com



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