PULSAFEEDER®
An IDEX Water & Wastewater Business

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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.

Operating Benefits

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

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

Aftermarket

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

NEMA 4X

MicroVision
Cooling Tower Controller

MicroVision Cooling Tower Controller

Specifications and Model Selection

MicroVision Selection Guide — MVS _ _ _ - _ _ _ _ _

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

Engineering Data Controller

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

Engineering Data Sensor

Maximum Temperature:	122ºF / 50ºC
Temperature Compensation Range :	32ºF - 122ºF / 0ºC - 50ºC
Maximum Pressure:	125 PSI (8.6 BAR)
Sensor Type:	Toroidal
Cable Length, Standard:	15' / 4.5m
Cable Length, Maximum:	100' / 30.5 m
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

Engineering Data Flow Switch

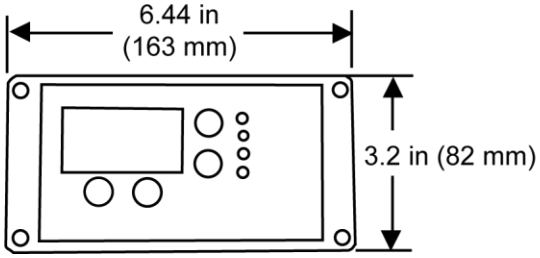
Maximum Temperature:	122ºF / 50ºC
Maximum Pressure:	125 PSI (8.6 BAR)
Activate Flow Rate:	Approximately 1 GPM / 3.78 LPM
Materials of Construction:	PVC and Glass filled Polypropylene

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.

Dimensions



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