

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
- Feed
- Biocide A
- Biocide B

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 $\mu\text{S/cm}$.
- 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

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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				
POWER WIRING Position 5	X	= Liquid Tight connections (required for CE input power cord options below)				
	P	= Prewired power cord and relays (115 VAC Only)				
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) of Probe and Flow Switch wiring				
	PC050	= 50 Feet (15.2m) of Probe and Flow Switch wiring				
	PC075	= 75 Feet (22.8m) of Probe and Flow Switch wiring				
	PC100	= 100 Feet (30.4m) of Probe and Flow Switch wiring				
	CZ_XXX	= CE Approval w/input power cord and plug (CZXXX=European plug; CZUKXXX=UK plug; CZSUIXXX=Swiss plug)				

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 μ S/cm
Languages:	English Spanish Portuguese

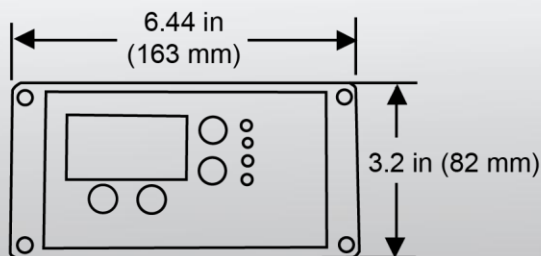
Engineering Data Sensor

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' / 4.5m
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:	122°F / 50°C
Maximum Pressure:	125 PSI (8.6 BAR)
Activate Flow Rate:	Approximately 1 GPM / 3.78 LPM
Materials of Construction:	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



sales@novatech-usa.com
www.novatech-usa.com
Tel: (866) 433-6682 Fax: (866) 433-6684
Tel: (281) 359-8538 Fax: (281) 359-0084

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