

The **MicroVision** Boiler Controller delivers comprehensive boiler water control with 'plug & play' simplicity, at an outstanding value. This latest addition to the MicroVision family of controllers is configured specifically for boiler water control, and utilizes intuitive software which provides simple set-up, while providing state of the art maintenance of the water in your boiler. Features of this device include a reliable temperature compensated conductivity probe, 5 output relays with selectable timers, scalable 4-20mA output to report conductivity, hall-effect and pulse water meter inputs, digital drum levels and a boiler interlock input.

Pulsafeeder's line of Boiler Controllers, are designed for simplicity and reliability. Offering affordable, high performance Boiler Controllers that are easy to specify and easy to use. Pulsafeeder Boiler Controllers offer versatile solutions to your fluid control problems. With selectable sampling modes, powered relays, selectable timers, and inputs to fit your needs, Pulsafeeder's MicroVision Boiler controller increases energy efficiency, reduces water consumption, reduces manpower and optimizes chemical utilization.

### Features

- Large graphical display.
- Five digital inputs.
- Selectable Sampling Modes.

#### Input and Output Functionality

. EN EMA 4X

System Outputs	Blowdown	Timer 1	Timer 2	Timer 3	Alarm/Timer 4
Output Type	Relay 1	Relay 2	Relay 3	Relay 4	Dry Contact
Limit	neidy i	v Neidy 2	v Neidy S	V Neidy 4	
		<u>^</u>	<u>^</u>	<u>^</u>	<u>^</u>
28 Day		X	X	X	Х
Pulse		X	Х	X	Х
Percent		Х	X	Х	Х
Cycle		Х	X	Х	Х
System Alarm					Х
Programmable Inputs	Input 1	Input 2	Input 3	Input 4	Input 5
Drum Level		Х	X	X	Х
Dry Contact Water meter	Х	Х	Х	Х	Х
Hall effect	Х				
Interlock					Х
	X				x

## **Operating Benefits**

- Simple Programming.
- Easy Installation and Easy to Use.
- Reliable Conductivity Probe
- Heavy Duty Enclosure



#### Aftermarket

Solenoids

MicroVision

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



**Programmable Boiler Controller** 

# Boiler Programmable Boiler Controller

# **Specifications and Model Selection**

icroVision

MicroVision	Boiler	Selection Guide	XXX
PRODUCT DESIGNATOR Position 1 thru 4	MVBX	= MicroVision Boiler Controller	
REVIEW AND WIRING Position 5	P C	= Prew ired w ith pigtails (115 VAC only) = Conduit connections (115V or 230V)	
ENCLOSURE OPTIONS Position 6	Н	= Heavy Duty Enclosure	
SYSTEM OPTIONS	X A	= None = 1/2" Solenoid valve, one 1" orifice union w /4 plates (Timed Sample) 100 PSI Max.	
ASSEMBLED	в	= 1/2" Motorized ball valve one 1/2" flow throttling valve (Timed Sample) 250 PSI Max.	
Position 7	С	= 1/2" Motorized ball valve one 1" orifice union w /4 plates (Timed Sample) 250 PSI Max.	
	D	= 3/4" Motorized ball vlv, one 3/4" throtting vlv, one 1/2" throttling vlv (Continuous Sample) 250 PSI Max.	
	E	= 3/4" Motorized ball valve, tw o 1" orifice union w /4 plates (Continuous Sample) 250 PSI Max.	
	F	= High Pressure Flow Assembly (250 PSI) for cooling tow er appliications	
SENSOR OPTIONS Position 8	x s	= No Sensor Provided = Contact Electrode. 250 PSI Max (210 PSI for steam) 392°F Max	
CABLE	000	= No Cable Supplied	
LENGTH Position 9 thru 11	010 025	= 10 Feet of sensor cable = 25 Feet of sensor cable	
	050 075	= 50 Feet of sensor cable	
	100	= 75 Feet of sensor cable = 100 Feet of sensor cable	
	150	= 150 Feet of sensor cable	
SUFFIX CODES	XXX	= Standard Unit	
Position 12 thru 18	102_00	CEApproval (CZXXX=Europe; CZUKXXX=UK; CZSUIXXX=Sw itzerland/Liechtenstein)	

#### **Dimensions**

# 8.82 in (224 mm) -7.29 in 4.00 in (185 mm) (101.6 mm) 0 0 8.50 in (215.9 mm) www.pulsatron.com

# \*PULSAFEEDER

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# **Engineering Data Controller**

Enclosure:	NEMA 4X / IP65		
Power Supply:	100-240VAC +/-10% / 50/60Hz / 5A		
Control Output:	5 Amp Max – Prewired Relay		
	1 Amp Per Relay – Dry Contact		
Display:	LCD		

# **Engineering Data Standard Sensor**

Maximum Temperature: Maximum Pressure: Saturated Steam Max: **Conductivity Range:** Cell Constant and TC: Materials of Construction: 392ºF / 200ºC 250 PSI (17 BAR) 210 PSI (14.4 Bar) 0 to 20,000 µS/cm 1.0 PT - 100 RTD 316 SS and PEEK



**D**12-An ISO 9001 Certified Company

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