

## MICROVISION BOILER

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.

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

- "Plug & Play" Simplicity
- Simple Programming
- Easy Installation and Easy to Use
- 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
- Boiler Interlock Input
- Heavy Duty Enclosure

## MODELS

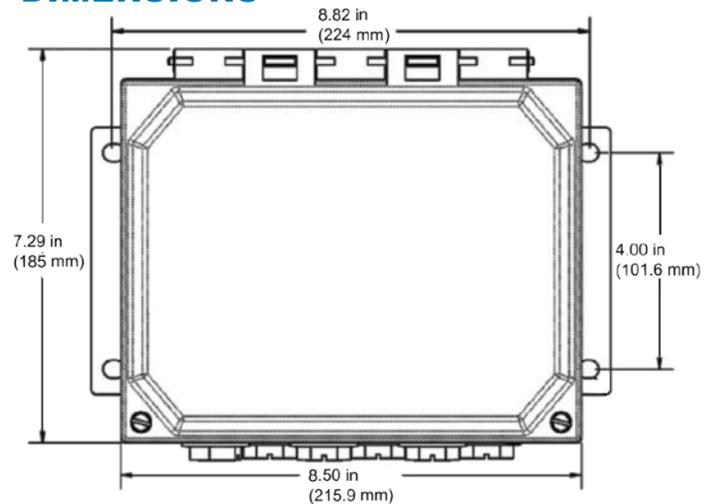
Model Number	Power Wiring	System Options	Sensor	Cable Length
MVBXCHAS010-XXX	Conduit connections	100 psi max.-Timed Sample-Solenoid vlv, orifice union w/plates	Contact Electrode	10 feet
MVBXCHXS010-XXX	Conduit connections	None	Contact Electrode	10 feet
MVBXCHXS010-CZXXX	Conduit connections; 230V	None	Contact Electrode	10 feet
MVBXCHXH010-XXX	Conduit connections	None	442°F / 375 psi - H.T. & Press.	10 feet
MVBXCHXR010-XXX	Conduit connections	None	3/4" Short style sensor & tee	10 feet
MVBXCHXS025-XXX	Conduit connections	None	Contact Electrode	25 feet
MVBXCHXS025-CZXXX	Conduit connections; 230V	None	Contact Electrode	25 feet
MVBXCHXS050-XXX	Conduit connections	None	Contact Electrode	50 feet
MVBXCHXS075-XXX	Conduit connections	None	Contact Electrode	75 feet
MVBXCHXS075-CZXXX	Conduit connections, 230V	None	Contact Electrode	75 feet
MVBXPHBS025-XXX	Prewired with pigtails	250 psi max-Timed Sample-Motorized vlv, flow throttling vlv	Contact Electrode	25 feet
MVBXPHXH010-XXX	Prewired with pigtails	None	442°F / 375 psi - H.T. & Press.	10 feet
MVBXPHXR010-XXX	Prewired with pigtails	None	3/4" Short style sensor & tee	10 feet
MVBXPHXS010-XXX	Prewired with pigtails	None	Contact Electrode	10 feet
MVBXPHXS025-XXX	Prewired with pigtails	None	Contact Electrode	25 feet
MVBXPHXS050-XXX	Prewired with pigtails	None	Contact Electrode	50 feet
MVBXPHXS150-XXX	Prewired with pigtails	None	Contact Electrode	150 feet

CE approved, non-prewired models, or 230 VAC, change the end of the code from "-XXX" to "-CZXXX".

## ENGINEERING DATA

Controller Specifications	
Enclosure	IP65 / NEMA 4X
Power Supply	100 – 240 VAC +/-10% / 50/60Hz / 5A
Control Output	5 Amp Max - Prewired Relay 1 AMP Per Relay - Dry Contact
Display	LCD
Sensor Specifications	
Maximum Temperature	392°F / 200°C
Maximum Pressure	250 PSI (17 BAR)
High Temp Model	442°F / 227°C
High Pressure Model	375 PSI (25 BAR)
Saturated Steam Max	210 PSI (14.4 BAR)
Conductivity Range	0 to 20,000 µS/cm
Cell Constant and TC	1.0 PT - 100 RTD
Materials of Construction	316 SS and PEEK

## DIMENSIONS



## SYSTEM OUTPUTS

Output Type	Blowdown	Timer 1	Timer 2	Timer 3	Alarm/Timer 4
	Relay 1	Relay 2	Relay 3	Relay 4	Dry Contact
28 Day		X	X	X	X
Pulse		X	X	X	X
Percent		X	X	X	X
Cycle		X	X	X	X
System Alarm					X
Programmable Inputs	Input 1	Input 2	Input 3	Input 4	Input 5
Drum Level		X	X	X	X
Dry Contact Water Meter	X	X	X	X	X
Hall Effect	X				
Interlock					X



27101 Airport Road  
Punta Gorda, FL 33982  
Tel: (941) 575-3800  
Fax: (941) 575-4085  
[www.pulsatron.com](http://www.pulsatron.com)



An ISO Certified Company

**IBEX**  
MVB001 C21