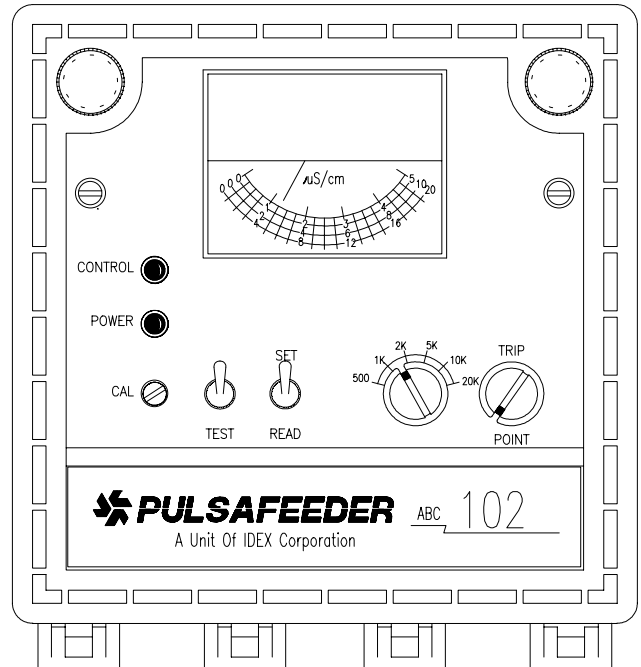


# ABC Boiler Controller Series

The ABC Boiler Controller Series consists of three distinct models featuring the latest analog technology and attractive styling. Additional features include selectable scale, easy installation and a rugged enclosure designed to NEMA 4X for reliable and accurate monitoring. This simplified design provides automated control at an economical cost. The ABC series provides electrical conduit connections as standard for blow down valve and accessory activation.

## Key Features:

- Front Panel Calibration
- Front Panel Dial Set-Point
- Conductivity Range 0-20,000  $\mu\text{S}$
- Blow Down Indicator LED
- Relay Test Switch
- Power Indicator LED
- Weather-Tight Enclosure Designed to NEMA 4X
- Wall Mountable



**Note: Controller Shown is ABC 102**

## Selections

STANDARD FEATURES	
<i>ABC Series</i>	
<b>50</b>	Dial Conductivity Controller 0-5,000 $\mu\text{S}/\text{cm}$
<b>101</b>	Dial Conductivity Controller Selectable Scale 0-500, 0-1000, 0-2000, 0-5000, 0-10000 and 0-20000 $\mu\text{S}/\text{cm}$
<b>102</b>	Analog Meter Conductivity Controller Selectable Scale 0-500, 0-1000, 0-2000, 0-5000, 0-10000 and 0-20000 $\mu\text{S}/\text{cm}$

## Options

		SERIES
<b>M</b>	Isolated 4-20mA	101/102
<b>P5</b>	220 VAC @ 50 Hz Service	50/101/102
<b>P6</b>	220 VAC @ 60 Hz Service	50/101/102
<b>R</b>	Conductivity: In-Line type Max. Press. 250 psi, Max. Temp. 400°F, stainless steel (04-750-02)	50
<b>R</b>	Conductivity: In-Line type Temperature Compensated Max. Press. 250 psi, Max. Temp. 400°F, stainless steel (04-750-08)	101/102

## Specifications

FEATURES/CONTROLLERS	ABC50	ABC101	ABC102
Enclosure	NEMA 4X	NEMA 4X	NEMA 4X
Power Requirements	110 VAC, 6A, 50/60 Hz	110 VAC, 11A, 50/60 Hz	110 VAC, 11A, 50/60 Hz
Optional Power	220 VAC, 6A, 50/60 Hz	220 VAC, 11A, 50/60 Hz	220 VAC, 11A, 50/60 Hz
Display	Dial	Dial	Analog Meter
Range	0-5000 $\mu$ S/cm	Front Panel Selectable 0-500, 0-1000, 0-2000, 0-5000, 0-10000, 0-20000 $\mu$ S/cm	Front Panel Selectable 0-500, 0-1000, 0-2000, 0-5000, 0-10000, 0-20000 $\mu$ S/cm
Differential	6% (+/-1%) of set-point	6% (+/-1%) of set-point	6% (+/-1%) of set-point
Control Output	1 @ 5A each - 8 second delay	2 @ 5A each - 8 second delay	2 @ 5A each - 8 second delay
Accuracy	+/- 2% full scale at point of measure (excluding sensor)	+/- 2% full scale at point of measure (excluding sensor)	+/- 2% full scale at point of measure (excluding sensor)
Sample Mode	Jumper Selectable, Continuous, Timed	Jumper Selectable, Continuous, Timed	Jumper Selectable, Continuous, Timed
Timed Sample Intervals	Jumper Selectable: .5, 2, 8, 24 Hours	Jumper Selectable: .5, 2, 8, 24 Hours	Jumper Selectable: .5, 2, 8, 24 Hours
Timed Sample Blow-down Duration	Jumper Selectable: .5, 1, 2 or 4 minutes	Jumper Selectable: .5, 1, 2 or 4 minutes	Jumper Selectable: .5, 1, 2 or 4 minutes
Sensor	Molded PPS body with 316SS Electrode. 1" NPT. Rated 250psi (17.24 Bar) @ 400°F (204°C)	Molded PPS body with 316SS Electrode. 1" NPT. Rated 250psi (17.24 Bar) @ 400°F (204°C)	Molded PPS body with 316SS Electrode. 1" NPT. Rated 250psi (17.24 Bar) @ 400°F (204°C)
Plumbing	1" NPT 2000 lbs. Cross	1" NPT 2000 lbs. Cross	1" NPT 2000 lbs. Cross
Temperature Compensation	N/A	68-392°F (20-200°C)	68-392°F (20-200°C)
Electronic Environment	0-125°F 100% Humidity	0-125°F 100% Humidity	0-125°F 100% Humidity
Shipping Weight	8 lbs. (3.7kgs)	8 lbs. (3.7kgs)	8 lbs. (3.7kgs)
Controller Dimensions	7.00 in. x 7.00 in. x 6.62 in. 17.78cm x 17.78cm x 16.81cm	7.00 in. x 7.00 in. x 6.62 in. 17.78cm x 17.78cm x 16.81cm	7.00 in. x 7.00 in. x 6.62 in. 17.78cm x 17.78cm x 16.81cm

