

## **AT-REG Assembly Specifications and Installation Instructions**

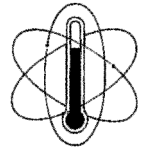
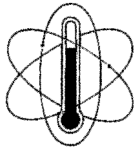
Accurate Gas Control Systems offers a solution to counter regulator icing or Joule Thompson Effect for AP-1410 and AP-1510 regulators and Mass Flow Controllers. Coupled with an AT-NEA controller, the system offers a heating solution for regulators in any situation. The AT-REG can be used on two or four port regulators.

### **1. Specifications**

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<b>Construction:</b>	Single piece silicone rubber heater element with insulation layer. Protective, weather proof and slip resistant outer layer. Internal heater sensing type K thermocouple. T/c wrapped in canvas shroud.
<b>Electrical:</b>	46W @ 115VAC 50/60 Hz, 1Ph. (Standard) (Available in 220VAC)
<b>Ratings:</b>	UL and CE Recognized. Class 1, Div 2 compliant.
<b>P/N Designation:</b>	AT-REG-1410 or AT-REG-1510
<b>Temperature Sensor:</b>	Type K Thermocouple, 20'





## **2.0 Installation Instructions**

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1. Slide heater over the bonnet of the regulator and secure with snaps provided.
2. Secure the thermocouple wire to the power cord using tie-wraps or tape.
3. Connect the heater and t/c leads to the controller
4. Follow the controller assembly instructions for controller operation.

## **3.0 Warnings**

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- Make sure regulator makes intimate contact with regulator body..
  - Use only one (1) regulator heater with one (1) control system. Accurate temperature control is limited buy using multiple regulator heaters with a single controller, and may lead to regulator failure.
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### *Revision History*

<i>Rev</i>	<i>Date</i>	<i>ECN</i>	<i>By</i>	<i>Description</i>
0	12/1/99	N/A	CD	First publication
A	5/6/10	287	MM	Revised to reflect product change and document control.