Ready-To-Install Boiler Blowdown Control Assemblies
Chem-Aqua® manufactures a complete line of boiler blowdown control systems designed to help reduce your fuel costs by better blowdown control. While too little blowdown can lead to scale and carryover, too much wastes fuel, water, and treatment chemicals. Due to the importance of proper installation, our RTI Boiler Blowdown Control Assemblies are especially popular.

These precision engineered systems help take the hassle and aggravation out of installation, as well as help ensure the blowdown control system operates correctly. Factors such as the sensor orientation, the distance between sensor and orifice union, the layout of the blowdown assembly piping, and the distance of the unit to the boiler all influence how well the system operates. Each RTI Boiler Blowdown Assembly is engineered with these important considerations as well as ease of installation in mind.

### Features
- Steam rated motorized ball valve
- Pre-wired and mounted on a floor stand
- Standard installation valves
- Integrated bypass line for sensor cleaning
- Steam flow orifice control
- Microprocessor based blowdown controller
- Standard stainless steel conductivity sensor
- Optional sample cooler

### Advantages
- Pre-Assembled
- Easy installation
- Better blowdown control
- Advanced and remote field communications
- User friendly controls with password protection
- Upgradeable controllers on certain models
- Reduced fuel costs
- Professional service and installation
- In-house technical support

### Automatic Vs. Manual Boiler Blowdown

<table>
<thead>
<tr>
<th>boiler conductivity</th>
<th>Manual Blowdown</th>
<th>Automatic Blowdown</th>
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</thead>
<tbody>
<tr>
<td>High conductivity</td>
<td>Too Little Blowdown = Scale &amp; Carryover</td>
<td></td>
</tr>
<tr>
<td>Low conductivity</td>
<td>Excess Blowdown = Wasted Fuel, Water, &amp; Chemicals</td>
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### Annual Savings Reducing to 2.5% Blowdown

<table>
<thead>
<tr>
<th>Boiler Load</th>
<th>Current Blowdown Rate</th>
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<tbody>
<tr>
<td>250 HP</td>
<td>15% $28,380 10% $15,816 5% $4,610</td>
</tr>
<tr>
<td>1000 HP</td>
<td>15% $113,521 10% $63,265 5% $18,442</td>
</tr>
<tr>
<td>60,000 lb/hr</td>
<td>15% $197,429 10% $110,206 5% $32,072</td>
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