The Series 123 & 125 Boiler Water Level Control is designed for boiler applications, where the Model 123 is primarily used for low water cut-off or feed-water control. The 125 offers the same long lasting service with a direct action mercury switch movement that provides a close deadband where needed.

**FEATURES/BENEFITS**
- Special snap action switch mechanism options eliminates frequent operation due to surging water level.
- Transparent cover provides convenient visible operation of the switch.
- Flanged chamber for easy clean out and replacement of float or switch mechanism without removing the unit from piping.

**APPLICATIONS**
- Boiler low water cut-off
- Boiler feed-water control
- Condensate tanks
- Boiler low water cut-off
- Vapor-liquid separators
- Boiler feed-water control
- Hydraulic accumulators
- Condensate tanks

**SERIES 123 & 125 | MERCOID® BY DWYER**

**BOILER WATER LEVEL CONTROL**

**Heavy Duty, Cast Iron Chamber**

The Series 123 & 125 Boiler Water Level Control is designed for boiler applications, where the Model 123 is primarily used for low water cut-off or feed-water control. The 125 offers the same long lasting service with a direct action mercury switch movement that provides a close deadband where needed.

**FEATURES/BENEFITS**
- Special snap action switch mechanism options eliminates frequent operation due to surging water level.
- Transparent cover provides convenient visible operation of the switch.
- Flanged chamber for easy clean out and replacement of float or switch mechanism without removing the unit from piping.

**APPLICATIONS**
- Boiler low water cut-off
- Boiler feed-water control
- Condensate tanks
- Deaerators

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Switch Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>123-153</td>
<td>SPDT mercury</td>
</tr>
<tr>
<td>123-7000-153</td>
<td>SPDT snap</td>
</tr>
</tbody>
</table>

**SERIES 102 & 1102 | MERCOID® BY DWYER**

**FLANGED CHAMBER TYPE LEVEL CONTROL**

**Operating Pressures to 300 PSIG**

The Series 102 & 1102 Flanged Chamber Type Level Control is external cage type level switches which are self-contained in a side mount body. The 102 series will operate to a minimum specific gravity of 0.60 and the 1102 series will operate to a specific gravity of 0.40. These series contain a stainless steel float and offer a choice of cast iron, cast steel, or cast 316 SS float chamber.

**FEATURES/BENEFITS**
- Unique design allows the simple removal of four bolts from the inspection plate to examine the float and chamber for cleaning or wear without disconnecting the piping or electrical circuitry.
- Electrical enclosures provide general purpose, weatherproof, explosion-proof or explosion-proof/vapor proof capability as well as cost effective cast 316SS float chamber option.
- Electrical circuits using hermetically sealed snap action or mercury contacts are available in a variety of actions including SPST, SPDT, DPDT and DPST combinations.
- The 102 design features three 1” NPT process connections for side/side or side/ bottom piping allowing the bottom 1” NPT connection to be used as a drain when using the side/side process connection.

**APPLICATIONS**
- Pressure or vacuum vessels
- Chemical processing plants
- Steam and electric generating stations
- Hydraulic accumulators
- Vapor-liquid separators
- Scrubbers
- Oil refineries
- Storage tanks

**SPECIFICATIONS**

| Service: Compatible liquids. Cast iron is not for use with lethal or flammable substances either liquid or gaseous. Wetted Materials: Body: Cast iron; Float: 304 SS, Trim and packing gland: Brass; Packing: Carbon; Body gasket: Carbon. Temperature Limit: Ambient Temperature: 212°F (100°C); Process Temperature: 350°F (185°C). Pressure Limit: 150 psig (10.34 bar). Enclosure Rating: General purpose. Optional weatherproof. Switch Type: SPDT snap switch or mercury switch. Optional DPDT or two stage. | Electrical Rating: Snap switch: 12 A @ 120 VAC, 5 A @ 240 VAC, 0.25 A @ 250 VDC resistive; Mercury switch: 4 A @ 120 VAC/DC, 2 A @ 240 VAC/DC. Electrical Connections: Screw terminal. Conduit Connection: 3/4” (22.23 mm) conduit. Process Connections: 1” female NPT. Mounting Orientation: Vertical. Deadband: Approximately 1-1/2” (38.1 mm). Specific Gravity: 0.88 min. Options: Manual reset. Weight: 20 lb (9.1 kg). Agency Approvals: CSA, UL. (Snap switch is not rated). |

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Switch Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>102-WT-4810-C-60</td>
<td>SPDT mercury</td>
</tr>
<tr>
<td>102-WT-7810-C-60</td>
<td>SPDT snap</td>
</tr>
<tr>
<td>102-WT-7810HM-C-60</td>
<td>SPDT hermetically sealed</td>
</tr>
</tbody>
</table>

**USA: California Proposition 65**

©, WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov