The Series 123 & 125 Boiler Water Level Control is designed for boiler applications, 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**
- Storage tanks
- Oil refineries
- Scrubbers
- Vapor-liquid separators
- Steam and electric generating stations
- Chemical processing plants
- Pressure or vacuum vessels

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

**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 a external cage type level switches which are self-contained in a side mount body. The Series 102 will operate to a minimum specific gravity of 0.60 and the Series 1102 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 unit effective cast 316 SS 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 sideside 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: 325°F (155°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.

Agency Approvals: CSA, UL.

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Switch Type</th>
<th>Specific Gravity A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>102-WT-4810-C-60</td>
<td>SPDT mercury</td>
<td>1.0</td>
<td>0.6</td>
</tr>
<tr>
<td>102-WT-7810-C-60</td>
<td>SPDT snap</td>
<td>5-1/16 (129 mm)</td>
<td>5-13/16 (148 mm)</td>
</tr>
<tr>
<td>102-WT-7810HM-C-60</td>
<td>SPDT hermetically sealed</td>
<td>3/4 (19 mm)</td>
<td>2-1/4 (57.15 mm)</td>
</tr>
</tbody>
</table>