**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, 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
- Oil refineries
- Scrubbers
- Vapor-liquid separators
- Hydraulic accumulators
- Chemical processing plants

**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 capability as well as cost 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 DIPS/T 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 of 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.
- **Temperature Limit:** Ambient Temperature: 212°F (100°C). Process Temperature: 365°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.

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
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**SERIES 123 & 1102**

**SERIES 102 & 1102**

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