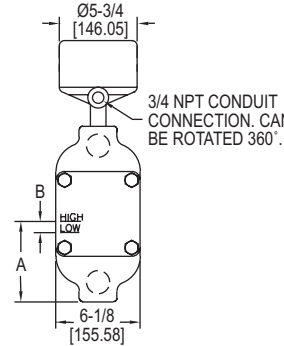
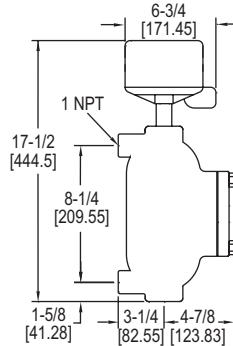




FLANGED CHAMBER TYPE LEVEL CONTROL

Operating Pressures to 300 PSIG

Level Switches,
Float



| Specific Gravity | A | B |
|------------------|------------------|-------------|
| 1.0 | 5-1/16 [129 mm] | 3/4 [19 mm] |
| 0.6 | 5-13/16 [148 mm] | 1 [25.4 mm] |

The **SERIES 102 & 1102** Flanged Chamber Type Level Controls are 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. Optional cast steel or 316 SS; Float and trim: 303 SS, 304 SS, 316 SS, and 430 SS. Option of all 316 SS; Body gasket: Carbon.

Temperature Limit: Ambient Temperature: 212°F (100°C); Process Temperature: 425°F (218°C).

Pressure Limit: 300 psig (20.7 bar). Optional rating to 400 psig (27.6 bar).

Enclosure Rating: NEMA 4X (IP66). Optional general purpose or explosion-proof.

Repeatability: ±1/4" (6.4 mm). **Switch Type:** SPDT snap switch, hermetically sealed snap switch, or mercury switch. Optional DPDT or two stage.

Electrical Rating: Snap switch: 12 A @ 120 VAC, 5 A @ 240 VAC, 0.5 A @ 125 VDC resistive, 0.25 A @ 250 VDC resistive; Hermetically sealed snap switch: 5 A @ 125 VAC, 5 A @ 240 VAC, 5 A @ 30 VDC resistive; Mercury switch: 4 A @ 120 VAC/DC, 2 A @ 240 VAC/DC. Higher contact ratings available for the mercury switch.

Electrical Connections: Screw terminal.

Conduit Connection: 3/4" female NPT.

Process Connections: 1" female NPT.

Mounting Orientation: Vertical.

Set Point Adjustment: ±1" (25.4 mm).

Specific Gravity: 0.6 min.

Weight: 35 lb (15.9 kg).

Agency Approvals: UL.

MODEL CHART

| Model | Switch Type |
|--------------------|-------------------------------|
| 102-WT-4810-C-60 | SPDT mercury |
| 102-WT-7810-C-60 | SPDT snap |
| 102-WT-7810HM-C-60 | SPDT hermetically sealed snap |

USA: California Proposition 65

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