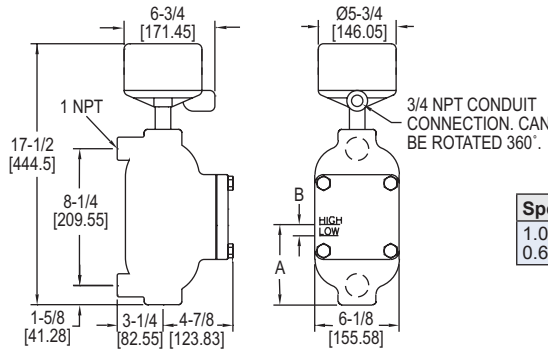


# FLANGED CHAMBER TYPE LEVEL CONTROL

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 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 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 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

