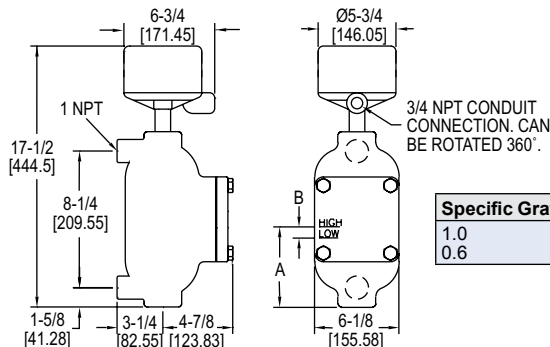


# **FLANGED CHAMBER TYPE LEVEL CONTROL**

Operating Pressures to 300 PSIG



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 stainless steel float chamber.

## **BENEFITS/FEATURES**

- 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 stainless steel 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

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

## **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).

**Compliance:** UL.

USA: California Proposition 65

**WARNING:** This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).