

LC20 Liquid Level Switches

The LC20s are high-pressure, float operated, liquid level switches. They can be installed either directly into a vessel or used with an external chamber. The LC20s can be used as either a high or low lever switch and pairs perfectly with the LC20 external float chamber.

With a working pressure of up to 2,000 psi, the LC20 are available in either a pneumatic (LC20P) or electric version (LC20E). The pneumatic LC20P is a normally open or normally closed switch, or can be made into a dump valve operator with the addition of the 3-way block and bleed pilot option. LC20E comes with a SPDT switch and is certified for Class I, Div 1, Group C and D service.

Both the LC20P and LC20E are available for low temperature service down to -40°F and are good for NACE service as well. Both are also available with either a polystyrene float, good down to a specific gravity of 0.5, or a stainless-steel float, good down to a specific gravity of .68. A float extension is also available for both models.

Specifications

Size: 2" NPT

Pressure Rating:

Poly Float: 2000 psi

Stainless Float: 1500 psi

Temperature Ranges: Poly Float: -20° F to 300° F, SST

Float: -20° F to 400° F, Low Temp: -40° F to 300° F

Connections:

LC20E Conduit Connection: 1/2" NPT

LC20P Supply: 1/8" NPT, Output: 1/4" NPT

LC20P Pilot Inlet and Outlet: 1/8" NPT

Pilot Max Pressure: Limited by Gauges

Electric Switch Ratings:

SPDT: 5A @ 125, 250, 480 VAC

1/2A @ 125 VDC

1/4A @ 250 VDC

2A @ 6-30 Resistive

1A @ 6-30 Inductive

Lead Wires: 18 AWG x 36"

Materials:

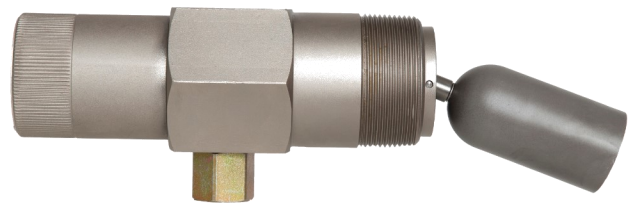
Body: Nickel Plated A105 or Stainless Steel

Internals: 304 Stainless Steel

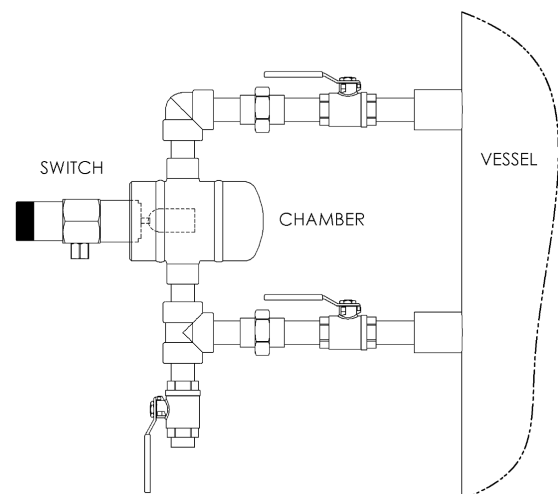
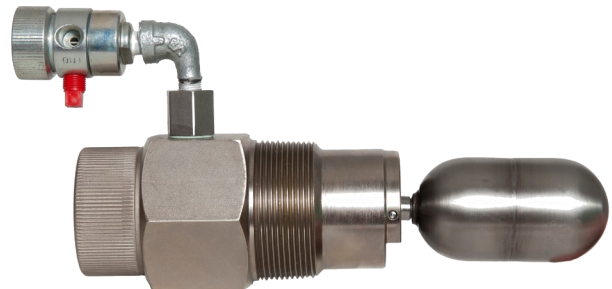
Seals: Viton or Low Temp HNBR

Float: Polystyrene or Stainless Steel

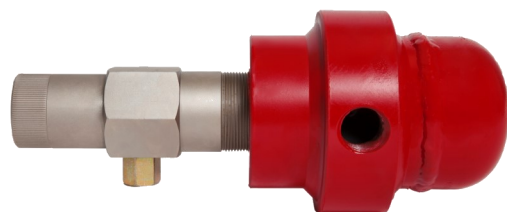
LC20E



LC20P

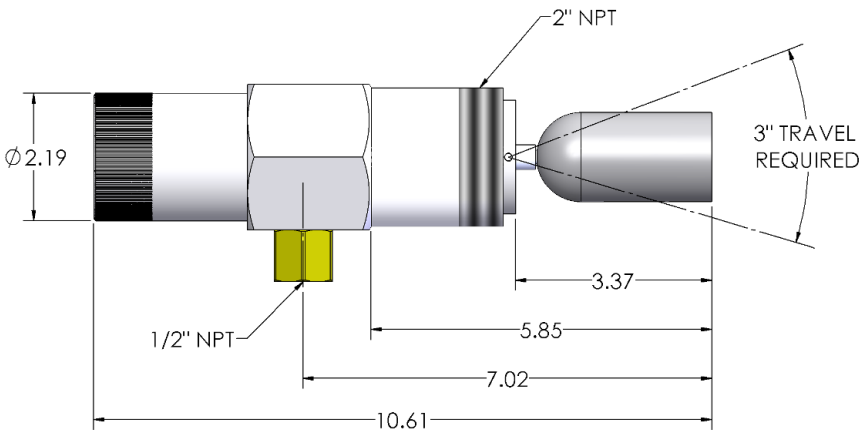


LC20E with CH20 Chamber

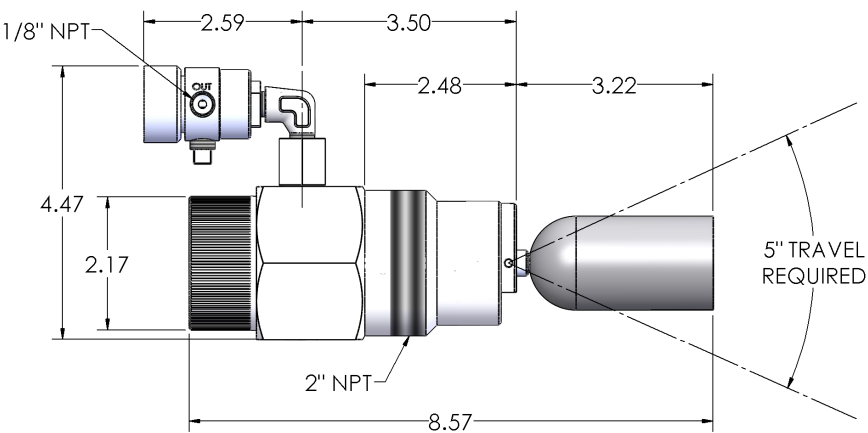


Dimensions

LC20E



LC20P



How to Order

Example Model No. LC20E-CP1
 LC20 Series Electric Liquid Level Switch, 2" NPT Connection, Carbon Steel Body, Polystyrene Float, SPDT Switch, No Extension.

Type

E - Electric

P - Pneumatic

Body Material

C - Carbon Steel

T - Stainless Steel

Float Material

P - Polystyrene

T - Stainless Steel

Switch/Pilot

1 - SPDT (LC20E only)

3 - No Pilot (LC20P only)

4 - Pilot (LC20P only)

Float Extension

Blank - No Extension

1 - 1" Extension

LC20E-CP1-