

## 780 Hermetically Sealed Level Control

### Application

The Model 780 Hermetically Sealed Level Control is a side-mounted float type liquid level control. This unit is used as a high or low level control. Also, can be used to sound alarms or operate control equipment.

### Features

- Corrosion Proof: All Stainless Steel Wetted Parts
- Adjustments: Nothing to Adjust or Get Out of Calibration
- Simple Installation: Float Passes Through a 1" Fitting
- Hermetically Sealed Switch
- Replacement Switch Capsule: Can Easily Be Changed in Field
- Explosion Proof Enclosure

### Operation

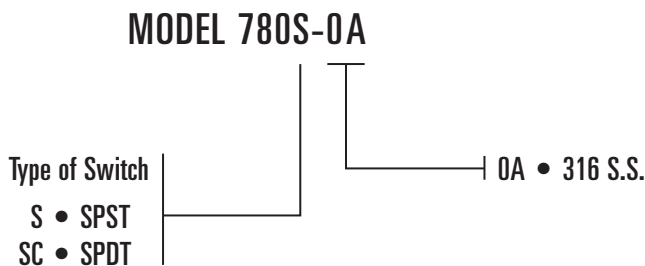
As the liquid in the vessel rises, lifting the float, a magnet (weld sealed inside the arm) is moved downward toward the hermetically sealed reed switch inside the housing body, causing magnetic actuation of the switch.

### Specifications

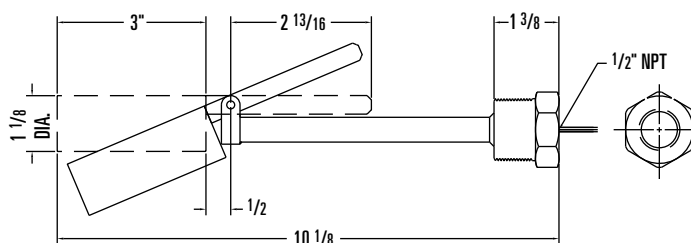
Body Material	316 Stainless Steel
Operating Pressure Rating	1500 psig
Float Material	Polypropylene
Temperature Limit	200°F
Level Differential	Approx. 1"
Housing	Class 1, Group A, B, C & D
Electrical Connection	1/2" Female Pipe Thread
Minimum Specific Gravity	0.60"

### Determining the Model Number

Example given: Standard Model 780S-0A Float Control with, SPST Hermetically Sealed Switch, 1" NPT 316 S.S. Vessel Connection, Polypropylene Float, 316 Arm and Pivot for Internal Vessel Mounting with Pressure Up to 5000 psi.



### Dimensional Data



### Parts List

Item	Description	Qty.	Part No.
1	BODY ASSEMBLY, ASTM A-276 TY.316	1	009421-A
2	FLOAT, POLYPROPYLENE	1	007400-M
3	ARM ASSEMBLY, ASTM A-276 TY.316	1	009419-A
4	PIVOT PIN, 316 STAINLESS STEEL	1	009426-M
5	SET SCREW, STAINLESS STEEL	1	001539-P
6	SPACER, STAINLESS STEEL	1	009418-M
7	SWITCH, SPST	1	007224-P
	SWITCH, SPDT	1	007225-P
8	GROMMET, NEOPRENE	1	007000-P

