

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

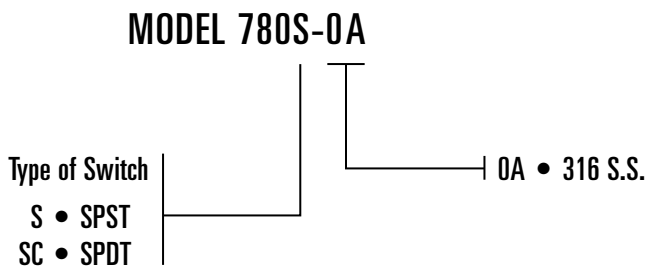
As the liquid in the vessel rises, lifting the float, a magnet (weld sealed inside the arm) is moved downward toward the hermetically sealed reed switch inside the housing body, causing magnetic actuation of the switch.

Specifications

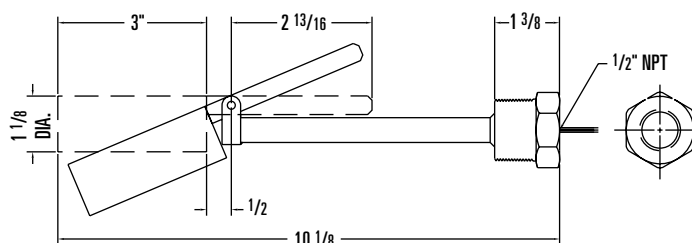
Body Material	316 Stainless Steel
Operating Pressure Rating	1500 psig
Float Material	Polypropylene
Temperature Limit	200°F
Level Differential	Approx. 1"
Housing	Class 1, Group A, B, C & D
Electrical Connection	1/2" Female Pipe Thread
Minimum Specific Gravity	0.60"

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

