

810 Hermetically Sealed Flow Switch

Application

The Model 810 Hermetically Sealed Level Control is a vertical mounted switch used to monitor "flow vs. no-flow". Its purpose is to operate valves, alarms, control pumps or any other electrical function.

Features

- Corrosion Proof: All 316 Stainless Steel wetted parts.
- Adjustments: Nothing to adjust or get out of calibration.
- Hermetically Sealed Switch
- Replacement Switch Capsule: Can easily be changed in field.
- No Seals or O-Rings to replace.

Operation

The weight of the vane causes the magnetic arm to drop away from the switch with a flow .75 ft./sec. or less. Fluid flowing 1.0 ft./sec. causes the vane to move, thus moving the magnetic arm to actuate the switch.

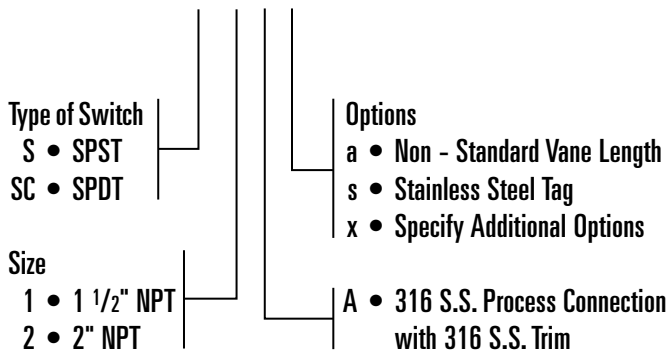
Specifications

Housing Class I, Group A, B, C & D
 Minimum Flow Rate 1 ft./sec.
 Operating Pressure Rating 5000 psig
 Vane Material 316 Stainless Steel
 Temperature Limit -40°F to +250°F
 Electrical Connection 1/2" Female Pipe Thread

Determining the Model Number

Example given: Standard Model 810S-1A Float Control with, SPST Hermetically Sealed Switch, 1 1/2" NPT 316 S.S. Vessel Connection and 316 Vane, Arm and Pivot for Internal Vessel Mounting with Pressure up to 5000 psi.

MODEL 810S -1 A,X



Parts List

Item	Description	Qty.	Part No.
1	BODY 1 1/2" NPT, ASTM A-276 TY.316	1	007380-M
	BODY 2" NPT, ASTM A-276 TY.316	1	009451-M
2	GROMMET, NEOPRENE	1	007000-P
3	VANE ASSEMBLY, ASTM A-276 TY.316	1	009467-A
4	PIVOT PIN, 316 STAINLESS STEEL	1	007230-M
5	SPACER, 316 STAINLESS STEEL	2	007113-M
6	ADAPTER, ASTM A-582 TY.303	1	007373-M
7	SWITCH, SPST	1	007224-P
	SWITCH, SPDT	1	007225-P

