

730 Top Mount Level Control

Application

The Model 730 Series are float-operated units designed for internal mounting through the top of the process vessel and provide high pressure capabilities with low specific gravity ratings within the petroleum, power and natural gas industries. These models provide reliable magnetic switching for the lowest cost of high or low level detection.

Features

- **Construction Versatility:** Standard Level Control includes a Stainless Steel float and Carbon Steel NPT or flanged tank connections. Consult factory for other materials.
- **Explosion Proof:** CSA APPROVED
 Class I, Division I, Groups C & D
 Class II, Groups E, F & G
 Class III, Enclosure Type 4
- **Various Models:** A wide selection of trim materials and switch mechanisms are available.

Operation

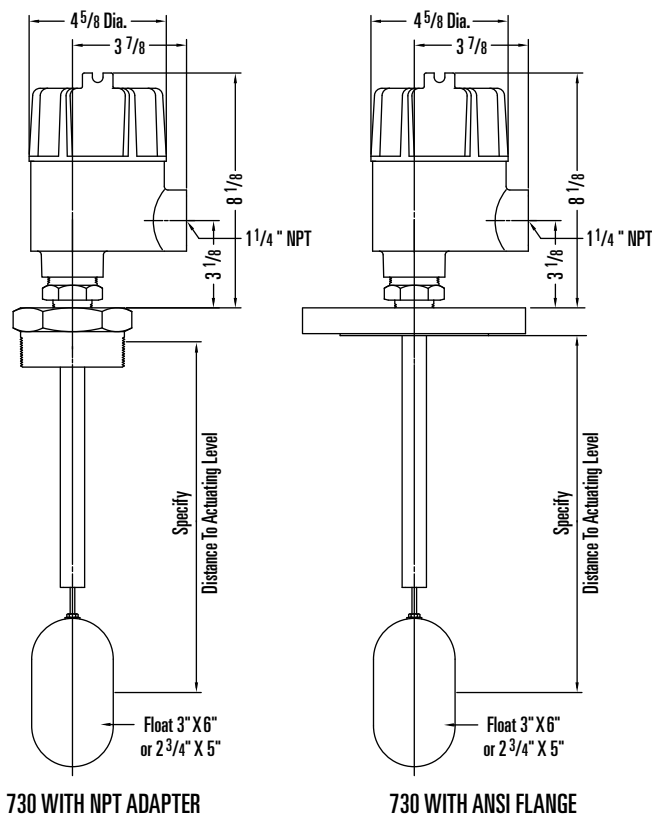
As the liquid rises, the float moves the attached magnetic attraction sleeve into the field of the magnet located in the switch housing. As this magnet swings toward the enclosing tube, it causes the microswitch to actuate. As the liquid level falls, the magnetic attraction sleeve moves out of the magnetic field and the bias spring pulls the magnet away from the enclosing tube, which deactuates the micro switch.

Specifications

Switch Housing	Explosion Proof Cast Aluminum	
Operating Pressure	200-275 psi	
Operating Temperature	450°F Max.	
Minimum Specific Gravity	0.58 Min.	
Electrical Connections	1 1/4" Female Pipe Thread	
Electrical Contacts	SPDT Micro Switch standard	
FUNCTION	AMBIENT TEMP	SWITCH RATING
Standard	-40 to 160°F	5A @ 250 VAC
High Temp	-40 to 450°F	5A @ 250 VAC



Dimensional Data

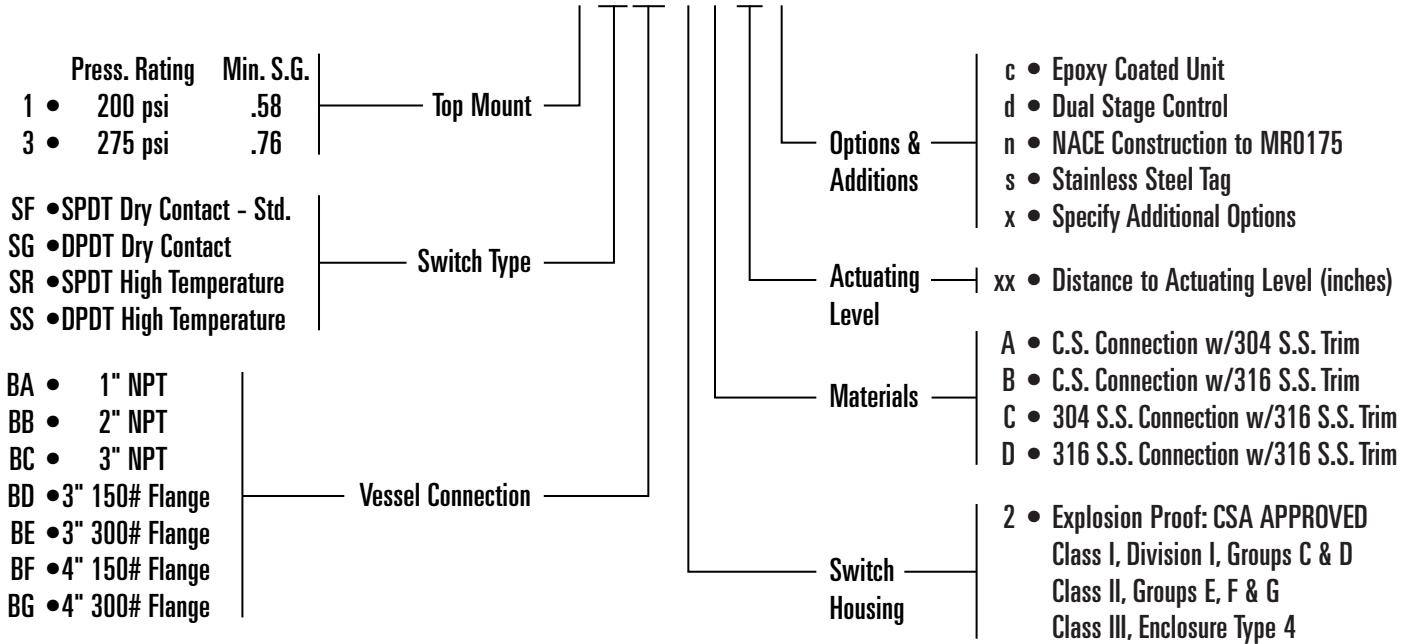


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Determining the Model Number

Example given: Sample Model 730 1-SFBA-2A 18 Top Mount Float Control with, SPDT Micro Switch, 1" NPT Carbon Steel Process Connection with 304 S.S. Trim, Pressure rated to 200 psi and with Explosion Proof Switch Housing, 18" Distance to Actuating Level.

MODEL 730 1-SFBA-2 A 18,X



Parts List

Item	Description	Qty.	Part No.
1	HOUSING, ALUMINUM	1	007201-M
2	COVER, ALUMINUM	1	000203-M
3	ADAPTER W/ENCLOSING TUBE, 316 S.S.	1	007524-A
4	SWITCH KIT ASSEMBLY, SPDT	1	009341-A
	SWITCH KIT ASSEMBLY, DTD	1	009342-A
5	ATTRACTION SLEEVE, 17-4PH	1	009532-M
6	LOCK NUT, STAINLESS STEEL	5	05000-2252
7	STOP TUBE, STAINLESS STEEL	1	007117-M
8	RETAINER DISK, STAINLESS STEEL	1	007126-M
9	FLOAT ARM, STAINLESS STEEL	1	C/F
10	FLOAT, 3"X6" 304SS STD.	1	007414-P
11	FLOAT TUBE, STAINLESS STEEL	1	C/F
12	O-RING, BUNA-N	1	05000-5446
13	NPT ADAPTER OR ANSI FLANGE	1	C/F
14*	SCREW, STAINLESS STEEL	2	001501-P
15*	GROUND SCREW	1	001504-G
16*	GROUND CUP, BRASS	1	001800-P

*Not Shown
C/F: Call Factory For Part No. Specify Distance Of Operating Level And Material.

