

Mini Float Level Switch

MF Small Ball Float Liquid Level Controller



1、Product Profile

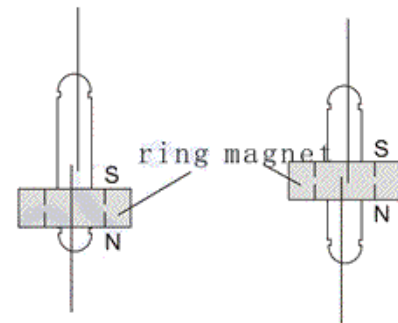
A float switch, an easy-to-use, safe and reliable liquid level controller with simple structure, is smaller and faster and has a longer service life than a general mechanical switch and, compared with an electronic switch, features strong resistance to load impact. Besides, it is widely applied in shipbuilding, papermaking, printing, generator sets, petrochemical industry, foodstuff industry, water treatment, electrotechnics, dyeing industry, oil pressure machinery and so on.

2、Working Principle

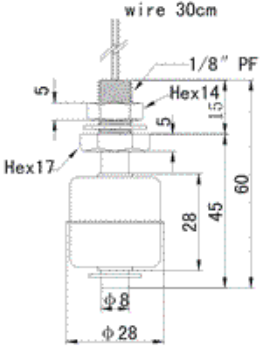
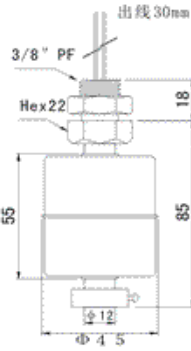
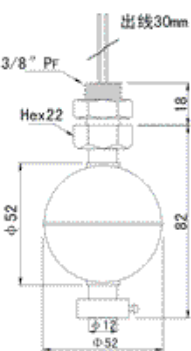
Install one or many dry reed tube(s) in an airtight non-magnetic pipe and then run the pipe through one or many hollow ball float(s) with ring magnet inside. Thus, a rise or fall in liquid level moves the ball float(s), so that the dry reed tube(s) in the non-magnetic pipe pick(s) up or cut(s) off and export(s) a switching signal.

3、Technical Parameters

1. Contact rating: 70W
2. Switching voltage: 220 VAC/200 VDC/24VDC
3. Switching current: 0.5A
4. Insulation resistance: $>100M\Omega$
5. Contact life: one million times
6. Operating temperature: $-10-120/200^{\circ}\text{C}$
7. Operating pressure: 1.0-3.0 MPa
8. Medium specific gravity: ≥ 0.55
9. Switching material: SUS304/SUS316L

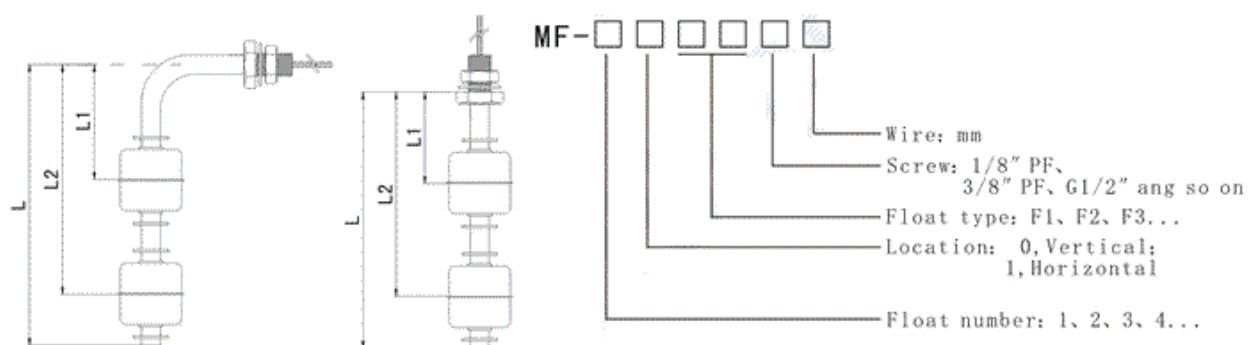


4、Standard Metal Ball Float Samples for Selection

MF-10F1	MF-10F2	MF-10F3
		
 Technical drawing of MF-10F1 float switch. Dimensions: wire 30cm, 1/8" PF, Hex14, 5, 15, 60, 28, 45, 8, 28.	 Technical drawing of MF-10F2 float switch. Dimensions: 出线 30mm, 3/8" PF, Hex22, 18, 55, 85, 12, 4, 5.	 Technical drawing of MF-10F3 float switch. Dimensions: 出线 30mm, 3/8" PF, Hex22, 18, 52, 82, 12, 52.

MF-11F1	MF-11F2	MF-11F3

5、Customized type



6、Ball float Parameters

Type	Size	Gravity	Pressure (MPa)	Weight (g)	Material	Temperature (°C)
F1	φ28-28-φ9.5	>0.75	1.0	8	SUS316	200
F2	φ45-55-φ15	>0.60	1.5	36	SUS316	200
F3	φ52-φ52-φ15	>0.55	3.0	40	SUS316	200