

Multi-Float Level Switch

MF Multi-Float Level Switch



1、Product Profile

With the Multi-Float Level Switch, multipoint control can be realized by one production. 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: $-10-80/120/200\text{ }^{\circ}\text{C}$
7. Operating pressure: ≥ 1.0 or $\geq 3.0\text{ MPa}$
8. Medium specific gravity: ≥ 0.55
9. Switching material: SUS304/SUS316L/PP



4、Ball float technical parameters

Type	Size	Gravity	Pressure (MPa)	Weight (g)	Material	Temperature (°C)
F1	$\phi 28-28-\phi 9.5$	>0.75	1.0	8	SUS316	200
F2	$\phi 45-55-\phi 15$	>0.60	1.5	36	SUS316	200
F3	$\phi 52-\phi 52-\phi 15$	>0.55	3.0	40	SUS316	200
F4	$\phi 75-\phi 75-\phi 23$	>0.55	3.0	137	SUS316	200

5、Flange selection

..... DN25*PN1.0, DN50*PN1.0, DN65*PN1.0.....
..... Flange various specifications can be customized.

6、Screw selection

..... 1、1-1/2、2、2-1/2 PT.....
..... Screw various specifications can be customized.

7、Terminal Box Selection



EF type-Explosion



E type

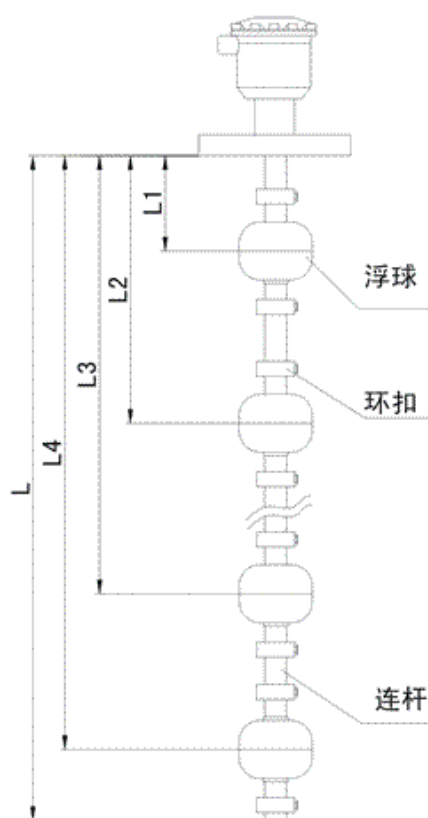


A type



AF type-Explosion

8、Product Selection



L1= _____ mm

L2= _____ mm

L3= _____ mm

L4= _____ mm

L = _____ mm



NO



NC



NO



NC



NO



NC



NO



NC

☐ Ambient Temperature (Media frozen ~125°C)

☐ High Temperature (Media frozen ~200°C)

Flange selection:

☐ DN25*PN1.0

☐ DN50*PN0.6

☐ DN50*PN1.0

☐ Other

Screw selection:

☐ 1" PT

☐ 1-1/2" PT

☐ 2" PT

☐ Other

Terminal Box Selection:

☐ A

☐ AF

☐ E

☐ EF

☐ Other

MF- ☐ ☐ ☐ ☐ ☐ ☐ - ☐ ☐ ☐ ☐ ☐

Float number: 1、2、3、4.....

Location: 0-Vertical ; 1-Horizontal

Float type: F1、F2、F3、F4.....

Terminal box type: A、E、EF、AF.....

Installation: F-flange; S-screw

length: ☐ ☐ ☐ ☐