

4JB

Industrial Automation
Training & Consulting



RAJKOT DIESEL MACHINES

FLOAT LEVEL SWITCH

MODEL : RDMVSE
#202026



DESCRIPTION

Stainless steel ball float level switch is the level control components, which is a kind of simple structure, convenient use. It has no complex circuit, not disturbed, as long as the material of choice is correct, you can use on any properties of liquid, pressure, temperature.

FEATURE

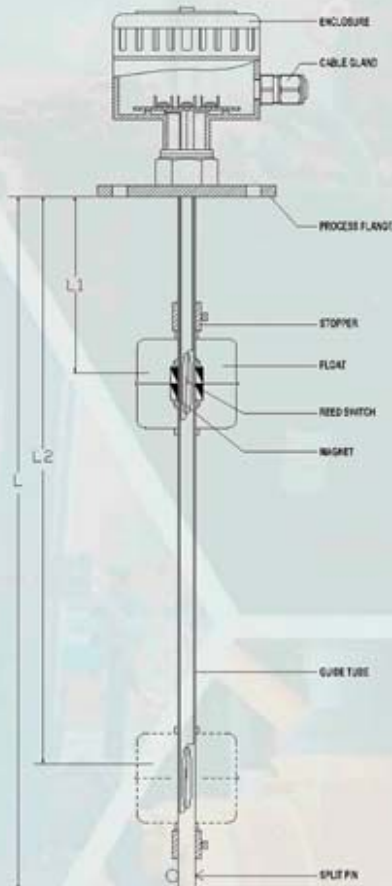
- Simple structure, light weight and long service life
- Easy to use, cheap in price
- Stainless steel material
- Simple working principle, no power supply, no complicated circuit
- High reliability, various float switches are available
- Electrical parameters and other special requirements can be customized

WORKING THEORY

Under the action of liquid buoyancy, the float is close to or away from the switch point in the rod. When the float is close to the switch point, the magnetic steel in the float is also close to the reed switch inside the rod, the contact of the reed switch is closed under the action of the magnetic force. Conversely, when the float is away from the switch point, the magnetic steel in the float is also away from the reed switch of rod, the contact point of the reed switch is dissociated by the loss of the magnetic force.

APPLICATION

It is widely used in sewage treatment, water purification, refrigeration equipment, cooling water dispenser, water dispenser, water boiler, dishwasher, household, commercial electric water heater, liquid medicine and other fields. Signal teleportation, site indication, liquid level monitoring, control the pump's start-stop or valve switch control liquid level, or high-low level alarm.



FLOAT LEVEL SWITCH



Specifications

Item	Data	
• Maximum electric shock power	10W	50W
• Max Switching Voltage	100VDC/100VAC	350VDC/300VAC
• Minimum breakdown voltage	150VDC	600VDC
• Max Switching Current	DC0.5A	DC0.7A /AC0.5A
• Maximum limiting current	1.0A	2.5A
• Maximum electric shock resistance	100mΩ	100mΩ
• Minimum insulation resistance	109	10
• Lifetime of electric shock	10 times	
• Work temp. range	-40~125°C	
• Material	SUS304 SUS316 (OEM)	
• Mounted thread	M10*1 NPT1/8、NPT1/2 (OEM)	
• Float SPEC	Φ24*24 φ28*28 (OEM)	
• Float pressure	0.7MPA 1.4MPA (OEM)	
• Cable	UL 1015 22AWG (OEM)	
• Length	Can be OEM	

Common Fault

- P: Signal output is not normal, magnetic interference.
A: Eliminate the magnetic interference.
- P: The signal remains, the ball cannot be restored, the ball cannot be regrouped, there is a foreign body stuck.
A: Removal.
- P: At one point there will be two signal outputs, and the loop will move
A: Adjust the position of the ring.

RDMVSE Measurement

