

## MQK-X Float Level Switch

MQK-X float level switch is a two position level instrument. It is divided into explosion-proof type and ordinary type. It is applicable to the control of liquid level in containers that do not corrode copper, aluminum, stainless steel and other materials. When the liquid level reaches the high and low limit positions, the product outputs the switch signal to realize the liquid level alarm or start the power-off pump.



### Main technical parameters:

Model	MQK-01	MQK-02	MQK-03
Action boundary	8mm	25-550mm	8-1000mm
Setting method	Non adjustable	Stepped adjustable	Stepless adjustable
Installation method	level	level	vertical
working pressure	$\leq 1.6\text{MPa}$	$\leq 2.5\text{MPa}$	$\leq 4.0\text{MPa}$
working temperature	Ordinary type $\leq 80^{\circ}\text{C}$ High temperature type $\leq 300^{\circ}\text{C}$		
supply voltage	220VAC, 24VDC		
contact rating	1.5A 2.5A 2.5~0.5A		

### Principle:

This product is composed of floating ball assembly and conversion mechanism. When the measured liquid level changes, the floating ball moves up and down with it, which makes the magnetic steel at the end of its connecting rod move in the opposite direction. When the two control points of liquid level are reached, the magnetic steel in the conversion mechanism is quickly repelled to the other side through the repulsion of the same polarity magnetic force, so that the contacts 1-1 or 2-3 are connected or disconnected, and the switch signal is output to achieve the purpose of alarm or automatic control.



There is no mechanical connection between the conversion mechanism of this product and the floating ball. It is completely isolated from the measured liquid, so that impurities in the medium will not hinder the action of the conversion mechanism. Therefore, this product is flexible, reliable and has a long service life.

### Attentions:

- 1、 Do not contain magnetic impurities in the measured medium;
- 2、 The liquid level fluctuation frequency and amplitude of the measured medium shall not be too large;

3、 If there are no special requirements when ordering, our company will supply standard flanges.

**Dimensions**

