

UQK-10~40 系列浮球液位开关

UQK-10~40 SERIES FLOAT LIQUID LEVEL SWITCH

概述 INTRODUCTION

UQK-10~40系列浮球液位控制器，适用于工业生产过程敞开或承压容器内液位的控制。当液位处于高限或低限时，开关动作发出报警信号或控制泵、阀的闭。

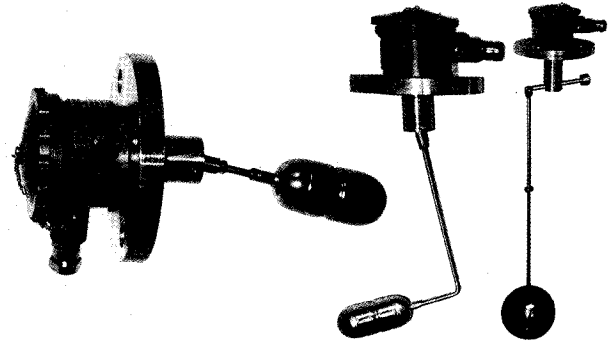
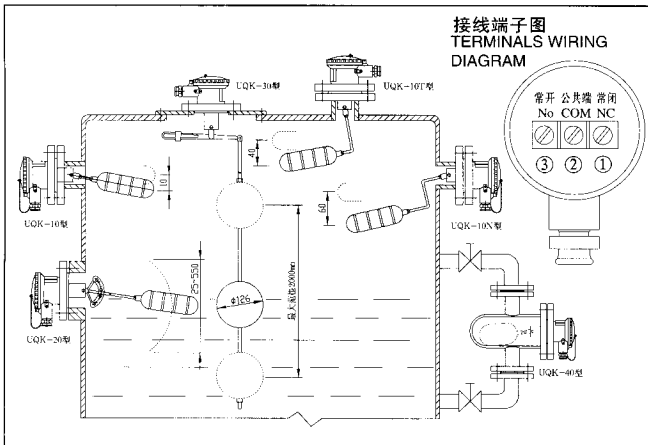
UQKS系列(带自检式)液位控制器，可在设备运行状态下，对控制器及系统进行检测，以确保控制器及系统安全运行。

UQK-10~40 series float liquid level switches are suitable for liquid level control of open or close vessels in industrial process. When level reaches high limit or low limit, the switch acts to alarm or control the pumps or valves.

UQK-S series liquid level switch with self-checking can detect the switch and system at device running, which assures the system running safely.

安装示意图

INSTALLATION SCHEMATIC DIAGRAM



主要技术参数

MAIN TECHNICAL PARAMETER

工作温度 operating temperature:

标准型 standard type -40~150℃;

高温型 high temperature type ≤350℃

工作压力 operating pressure: 1.0, 4.0, 6.3MPa

介质密度 medium specific gravity: ≥0.40g/cm³

触点容量 contact capacity: AC250, 7A

电气接口 electrical joint: M20×1.5内螺纹 inner thread

防爆标志 explosion-proof classification:

隔爆型 explosion-proof type d II BT4

本安型 intrinsically safe type ib II CT3~6

过程连接 process connection:

DN50或DN80 PN1.0/4.0凸面法兰 convex flange, 法兰标准 flange standard JB/T82.2-94, 非标法兰: 尺寸见外形尺寸图 not-standard flange sees outline dimension drawing

防腐型: DN50 PN1.0/4.0凸面法兰, corrosion proof type: convex flange DN50 PN1.0/4.0,

其它法兰标准如HGJ、ANSID等请用户注明。 other on request.

接液材质 contacting material: 不锈钢 stainless steel

防腐型 PPR for anti-corrosive type

型号规格 MODEL AND SPEC

UQK	浮球液位开关 float liquid level switch			
UQKS	带自检式浮球液位开关 float liquid level switch with self-checking			
	控制范围 controlling range	调整方式 adjustment mode	安装形式 installation type	基本形式 basic type
- 10	10mm	不可调 not adjustable	侧装式 side-mounting	
10N	60mm	不可调 not adjustable	侧装式 side-mounting	
10T	40mm	可调 adjustable	顶装式 top-mounting	
10F	10(防腐型)	不可调 not adjustable	侧装式 side-mounting	
20	25~550mm	有级可调 step adjustable	侧装式 side-mounting	
30	8~2000mm	无级可调 stepless adjustable	顶装式 top-mounting	
40	10mm	不可调 not adjustable	外侧水平 horizontal outer side mounting	
	- A	DN50 PN1.0/4.0		过程连接 process connection
	B	DN80 PN1.0/4.0		
	T	非标小法兰 not-standard small flange		
	D	隔爆型 d II BT4	explosion-proof type	选项 options
	E	本安型 ib II CT3~6	intrinsically safe type	
	G	中温型 ≤250℃	middle temperature type	
	H	高温型 ≤350℃	high temperature type	
	J	带蒸汽夹套 (仅UQKS型有)	with heating jacket only for UQKS	
	- □	工作压力 operating pressure, 单位 MPa		
	- □	介质密度 medium specific gravity, 单位 g/cm ³		

结构原理

STRUCTURE PRINCIPLE

磁钢式浮球液位控制器由两个互不相通的测量部分和输出部分组成。当被测液位发生变化时，浮球随之变化，从而使端部磁钢上、下摆动。根据磁钢同性相斥原理，使安装在壳内的磁钢反向摆动，驱动微动开关接通或断开。本产品微动开关采用德国Veeder-Root公司的产品，动作可靠，寿命长。

Magnetic float liquid level switch is composed of non-communicated measuring part and output part. When the measured liquid level changes, float moves with it to vibrate the magnet at end up and down. Responding to the principle of rejection between same polarties for magnet, the magnet in enclosure swings oppositely to drive the micro-gap switch close or open. The micro-gap switch is imported from Germanic Veeder-Root, reliable and long life.