UQK系列浮球液位控制器

UQK Floater Liquid Level Controller

一、概述

UQK型浮球液位控制器适用于对各种容器内液体的液位控制，当液位到达上、下切换值时，控制器触点发出通断开关式信号。产品系列分防爆和非防爆两大类，防爆型能用于易燃和易燃介质为1/2级及A、B、C级承压容器的液位控制。控制器不适用于对黄铜、不锈钢等材料有较强腐蚀性以及含有导磁杂质的介质。

Overview

UQK floater liquid level controller is applicable to the liquid level control of various vessels. When the liquid level reaches upper and lower switching value, the contactor of the controller sends out on-off switch signals. The products are classified into anti-explosion type and not anti-explosion type. The anti-explosion type can be applicable to the liquid level control of inflammable vessels or pressure vessels whose inflammable medium is grade ½ as well as vessels of grade A, B or C. The controller is not applicable to medium with strong corrosivity and magnetic conductive impurities like brass and stainless steel.

外形 Shape	型号名称 Type name	防爆等级 Anti-explosion grade	介质压力 Mpa Medium pressure	介质温度 ℃ Medium temperature	控制范围 mm Control scope	浮球尺寸 mm Float size	整定方式 Setting method	安装型式 Installation method	电源及触点容量 Power source and contact capacity
	UQK-01 型浮球液位控制器 UQK-01 Float liquid level controller	/	1	150	≤14	φ79	不可调 Nonadjus -table	水平 Horizontal	AC220V 220W DC100V 150W
	UQK-01G 型浮球液位控制器 UQK-01G Float liquid level controller	/				φ60			
	UQK-01-dⅡBT3型浮球液位控制器 UQK-01-dⅡBT3 Float liquid level controller dⅡBT3	/	/			φ76			
	UQK-02 型浮球液位控制器 UQK-02 Float liquid level controller	/	/	150	22~550	φ79	有级调整 Step adjustment	/	
	UQK-02G型浮球液位控制器 UQK-02G Float liquid level controller	/	1			φ60	无级调整 stepless adjustment	水平 Horizontal	
	UQK-02-dⅡBT3型浮球液位控制器 UQK-02-dⅡBT3 Float liquid level controller	dⅡBT3	4			φ76	有级调整 Step adjustment		
	UQK-03 型浮球液位控制器 UQK-03 Float liquid level controller	/	1	150	8~1000	φ126	无级调整 stepless adjustment	垂直 vertical	
	UQK-03G 浮球液位控制器 UQK-03 type UQK-03G Float liquid level controller	/			50~1000	φ79			
	UQK-03-dⅡBT3型浮球液位控制器 UQK-03-dⅡBT3 Float liquid level controller	dⅡBT3	2.5		8~1000	φ126			

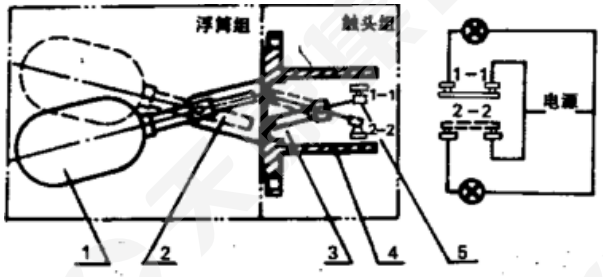
二、结构原理

UQK型浮球液位控制器由互为隔离的浮球组和触头组二大部分组成。G型触头组为微动开关。

当被测液位升高或降低时，浮球1随之升降，使其端部的磁钢2上、下摆动，通过磁力作用，推斥安装在外壳3内相同磁极的磁钢4上、下摆动，其另一端的动触点5便在静触头1-1及2-2间连通或断开。

Structure Principle

UQK float liquid level controller is composed of separate floater group and contactor. G type contactor group adopts micro switch. When the measured liquid level rises or falls, floater 1 will rise or fall accordingly, making the magnetic steel 2 at its end swing up and down. With magnetic force, it repulses magnetic steel 4 with same pole inside shell 3 to swing up and down; meanwhile, the movable contact 5 at the other end will connect or break between the fixed contact 1-1 and 2-2.

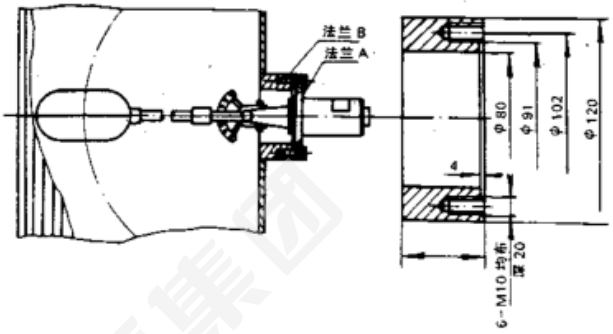


1.浮筒 2.4.相同磁级磁钢 3.外壳 5.动触头

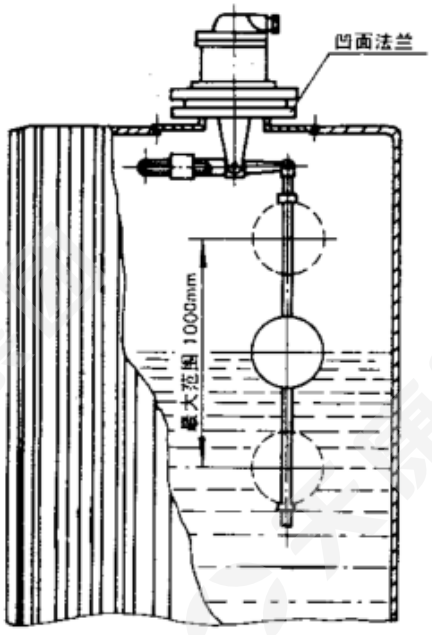
三、安装

Installation

UQK型水平安装示意图
UQK Horizontal installation diagram

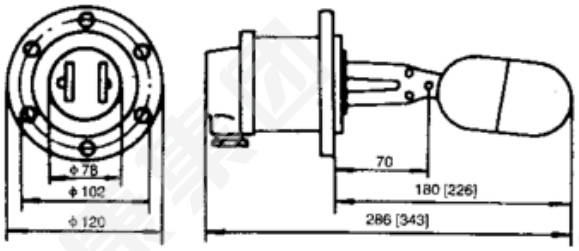


UQK型垂直安装示意图
UQK Vertical installation diagram

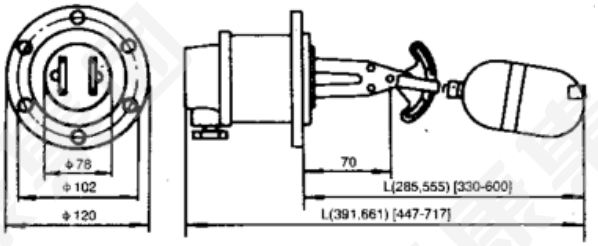


四、外形及安装尺寸　　Shape and installation dimension

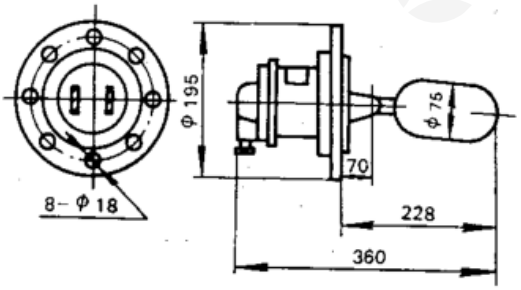
UQK-01G



UQK-03G　UQK-03-dⅡBT3



UQK-01-dⅡBT3



UQK-02-dⅡBT3

