

UBX 系列高温玻璃板液位计

UBX SERIES HIGH TEMPERATURE GLASS PLATE LIQUID LEVEL GAUGE

概述 INTRODUCTION

UBX 系列高温玻璃板液位计采用高温玻璃及特殊垫片制造的仪表，仪表的最高温度可达 480°C。它具有结构简单，维修方便，安全、可靠等特点，广泛用于石油、化工等工业领域的高温介质的液位测量。

The high temperature glass and special gasket are used for UBX series high temperature glass plate liquid level gauge, so its highest operating temperature can reach up to 480°C. Simple in structure, easy in maintain, reliable in operate, the gauges are widely applied to measure the liquid level of high temperature medium in the field of petroleum and chemical engineering etc.

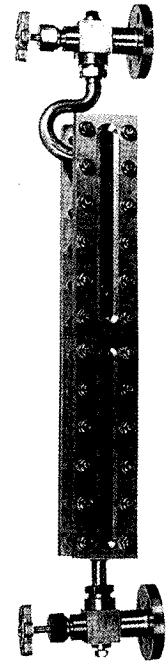
结构原理 STRUCTURE PRINCIPLE

仪表上、下端安装法兰与容器相连接构成连通器，透过玻璃可直接观察到容器内液位的实际高度。上下阀门内装有安全钢珠，当玻璃因意外损坏时，钢珠在容器内压的作用下自动密封，防止容器内液体外溢。

UBX-A 仪表主体和阀门连接的一端用弓形接头连接，解决了由于物体热胀冷缩作用使液位计在高温使用过程中变形的问题，从而避免了因安装所产生的应力或热胀冷缩过程中产生的应力对玻璃板的损坏。

The gauge becomes communicating tube of container as top and bottom flanges are connected to it. The actual liquid level will be observed through the glass. Secure steel balls are built in top and bottom valves. When glass is damaged accidentally, the steel ball will seal up automatically due to inner pressure to prevent the liquid washout.

Embossed joints are used to connect the body and valves for UBX-A type. Thus liquid level gauge will not be distorted due to heat expansion and cold shrink in high temperature operation, thereby the damage of glass under stress in installation and operation be avoided.



主要技术参数 MAIN TECHNICAL PARAMETERS

测量范围 measuring range : (安装中心距 center-center distance L mm) 300, 500, 800, 1100, 1400, 1700

工作压力 operating pressure : 4.0 MPa; (6.3 MPa 为特规, 需事先联系 special need consulted)

工作温度 operating temperature : ≤480°C 阀门自动封闭压力 valve automatically sealing pressure : >0.2 MPa

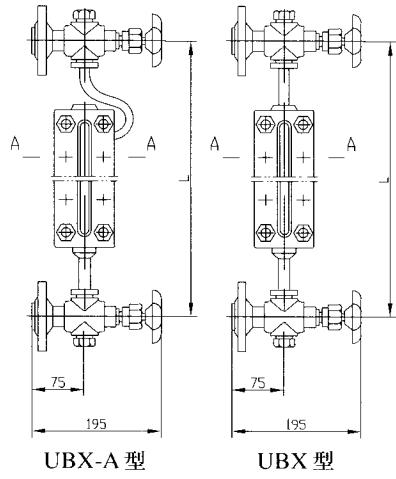
蒸汽伴热夹套压力 heating jacket pressure : ≤0.6MPa 蒸汽夹套接头 heating jacket coupling : G1/2" 外螺纹

连接法兰标准 connecting flange standard : JB/T82.2-94 DN20 PN4.0 或 PN6.3 凸面, 其它法兰标准如 HGJ、GB、ANSI 等请用户注明。convex flange, other flange upon request.

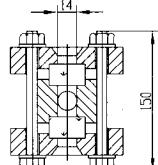
材质 material : 耐热碳素钢 heat resistant carbon steel, 不锈钢 stainless steel

型号规格 MODEL AND SPEC

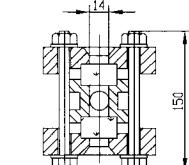
UBX 系列高温高压玻璃板液位计 high-temperature and high-pressure glass plate liquid level gauge									
	基本类型 basic type					接头形式 joint	材质 material	测量范围 rang	
1	透光式Transparent, 一般用于无色透明的液体, 且光线较好场所。								
2	透光式带蒸汽夹套Transparent with heating jacket, 用于粘稠、易冻的液体介质。								
3	反射式Reflective, 一般用于有色泽的液体, 且光线较好场所。								
4	反射式带蒸汽夹套Reflective with heating jacket, 用于粘稠、易冻的液体介质。								
A	弓形接头 Embossed joint (直形接头不填), 弓形接头是直形接头的改进型。								
1	耐热碳素钢 heat resistant carbon steel			2	不锈钢 stainless steel				
1	300mm	2	500mm	3	800mm	4	1100mm	5	1400mm
-	75	4	195	6	1700mm				
	工作压力 operating pressure: 4.0 MPa								
	6 工作压力 operating pressure: 6.3 MPa								



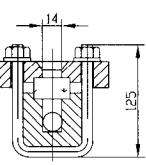
外形尺寸 DIMENSION



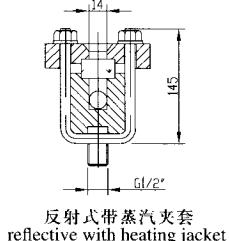
透光式
transparent



透光式带蒸汽夹套
transparent with heating jacket



反射式
reflective



反射式带蒸汽夹套
reflective with heating jacket

温度压力曲线 temperature-pressure curve :

使用须知 application notice

本系列仪表使用温度与压力成反比。最大的工作压力和最高的工作温度不能同时使用, 请参考温度压力曲线图。

The temperature is inverse proportional to pressure for this series of gauges. The gauge cannot be used under condition of the maximal operating pressure and the highest temperature at same time, referring to temperature-pressure curve.