天康集团

YB系列不锈钢压力表

YB Series All Stainless Steel Pressure Gauge

产品应用 Product Application

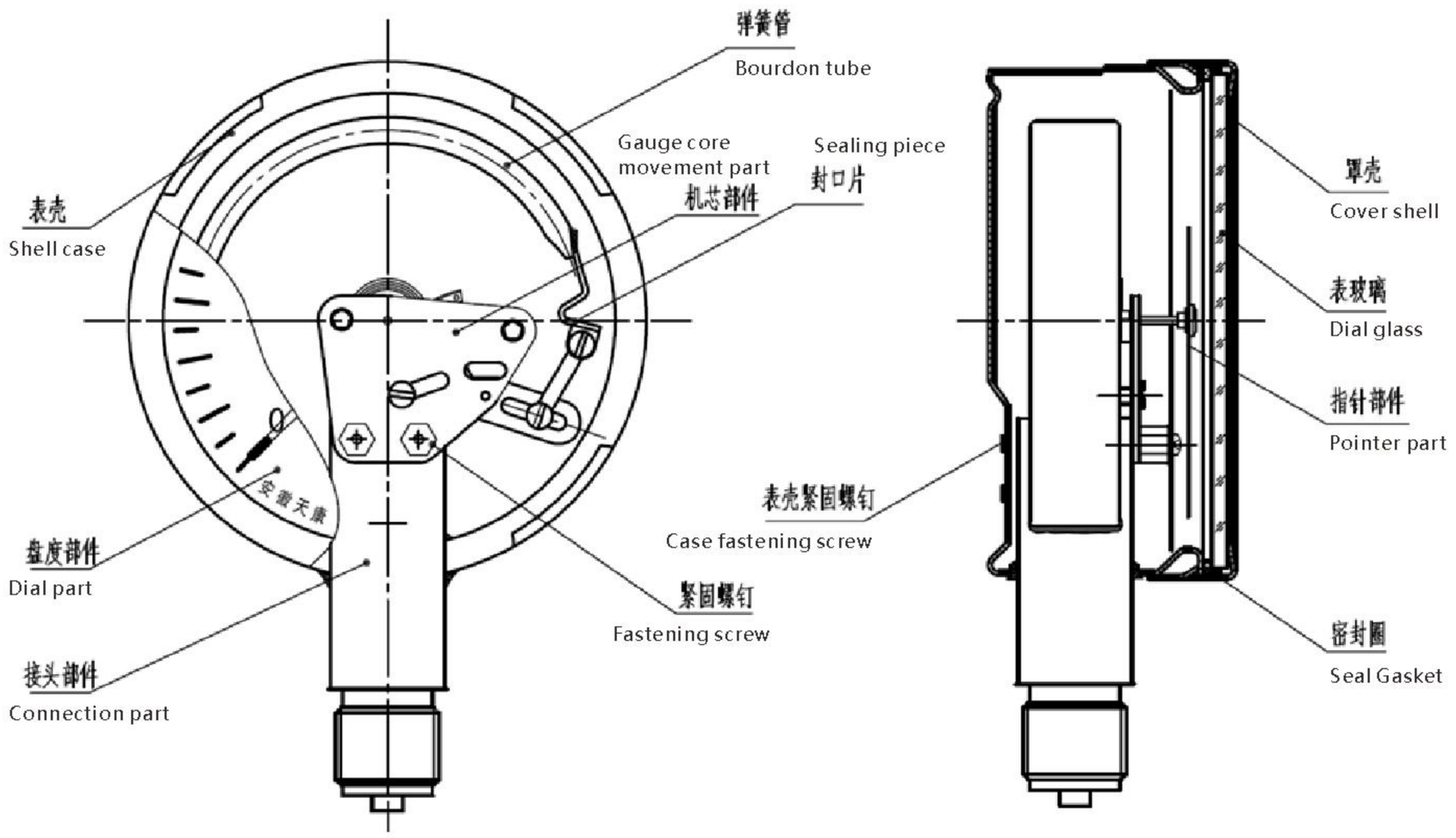
不锈钢压力表广泛应用于石油、化工、冶金、轻工、化纤等工业部门。可测量腐蚀性较强介质的压力，并能在有剧烈振动和工作环境较恶劣的场合使用。

The stainless steel pressure gauge is widely used in petroleum, chemical, metallurgical, light industry, chemical fiber and other industrial sectors. It can measure the pressure of corrosive media, and can be used in places with violent vibration and harsh working conditions.

产品原理 Product Principle

压力表的工作原理是弹簧管在压力和真空作用下，产生弹性变形引起管端位移，其位移通过机械传动机构进行发大，传递给指示装置，在由指针在刻有法定计量单位的分度盘上指出被测压力或真空量值。

The working principle of a pressure gauge is that the bourdon tube produces elastic deformation under the action of pressure and vacuum, which causes displacement of the tube end. This displacement is enlarged through a mechanical transmission mechanism and passed on to the indicating device. The pointer then indicates the measured pressure or vacuum value on the dial which is graduated with legal metrology units (as shown in Figure 6).



技术参数 Main Technical Specifications

测量范围、测量精度

Measurement Range & Accuracy

型号 Item No.	测量范围 MPa Measurement Range	精确度等级 Accuracy Grade
YB-60	-0.1~0、-0.1~0.06、-0.1~0.15、-0.1~0.3、-0.1~0.5、-0.1~0.9、-0.1~1.5、-0.1~2.4、-0.1~3.9、-0.1~5.9、0~0.6、0~1、0~1.6、0~2.5、0~4、0~6、0~10、0~16、0~25、0~40、0~60	1.6，2.5，4.0
YB-100、YB-100Z、YB-100ZT YB-150、YB-150Z、YB-150ZT YB-200、YB-250	-0.1~0、-0.1~0.06、-0.1~0.15、-0.1~0.3、-0.1~0.5、-0.1~0.9、-0.1~1.5、-0.1~2.4、-0.1~3.9、-0.1~5.9、0~0.6、0~1、0~1.6、0~2.5、0~4、0~6、0~10、0~16、0~25、0~40、0~60、0~100、0~160、0~250、0~400、0~600、0~1000	1.0，1.6，2.5，4.0

使用环境温度：-40~70℃；

温度影响：不大于0.4%10℃(使用温度偏离20±5℃）；

抗工作环境振动：V·H·3；

外壳防护等级：IP55、IP65、IP66；

表壳材质：304SS、316SS；

接液材质：304SS、316SS。

Operating temperature range: -40~70°C.

Temperature influence: ≤0.4%/10°C(when operating temperature deviates from 20±5°C).

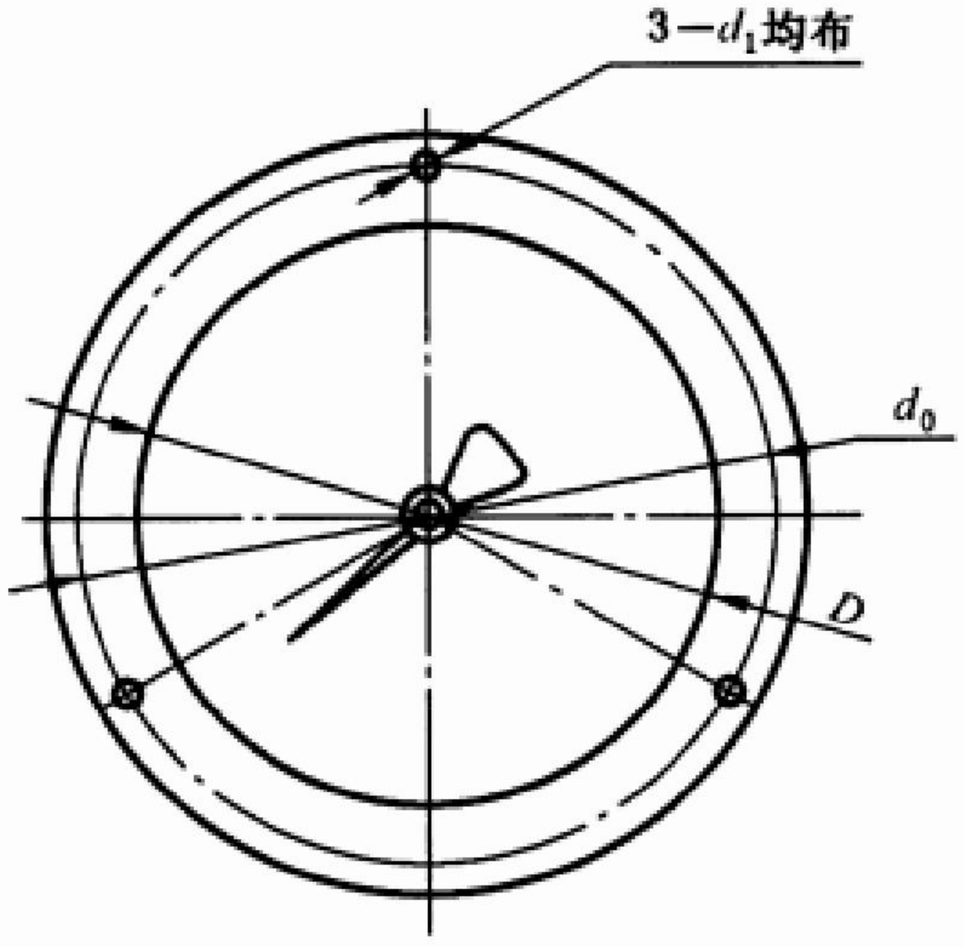
Vibration resistance: V·H·3.

Shell protection rating: IP55, IP65, Ip66.

Shell material: 304SS, 316SS.

Wetted material: 304SS, 316SS.

外形尺寸 Dimensions



外壳公称直径 D Nominal diameter of the shell	装配螺栓中心圆直径 d_0 Center circular diameter of the mounting bolts	外壳螺栓孔直径 d_1 Diameter of the bolt holes on the shell
40	50	4
60	72	5
100	118	6
150	165	6
200	215	6
250	272	7

选型指南 Selection Handbook

不锈钢压力表YB- Stainless Steel Pressure Gauge YB-					
表盘直径 Dial Diameter					
Φ60	60				
Φ100	100				
Φ150	150				
Φ200	200				
Φ250	250				
安装方式 Installation Method					
径向直接安装 Radial Direct Mounting					
径向带后边凸装 Radial Mounting with Flange at the Back	T				
径向带前边嵌装 Radial Mounting with Flange at the Front	Q				
轴向直接安装 Axial Direct Mounting	Z				
轴向带后边凸装 Axial Mounting with Flange at the Back	ZT				
轴向带前边嵌装 Axial Mounting with Flange at the Front	ZQ				
过程连接 Process Connection					
M14×1.5					
M20×1.5					
G1/2					
1/2'NPT					
其它 Other	文字说明 Specify in text				
精度等级 Accuracy Class					
1.0					
1.6					
2.5					
4.0					
附件可选 Available Accessories					
阻尼器 Damping Device	ZN				
散热器 Heat Dissipater	SR				
过压保护器 Overpressure Protector	OP				
冷凝管 Subcooling Pipe	SP				
其它 Other	文字说明 Specify in text				