

管道式压力表

Pipeline Pressure Gauge

产品应用 Product Application

管道式压力表广泛应用于石油、化工、医药、食品、造纸等行业。管道式隔膜压力表采用耐用压力表故有效的消除了介质脉动和环境振动所产生的影响，使得仪表指示稳定、可靠，并提高了仪表的使用寿命，所以比较适用于测量粘度大、易结晶、腐蚀性大、温度较高的液体、气体当中。

Pipeline pressure gauges are widely used in industries such as petroleum, chemical, pharmaceutical, food, and paper. The pipeline diaphragm pressure gauge effectively eliminates the influence of medium pulsation and environmental vibration, ensuring stable and reliable indication of the instrument and extending its service life. Therefore, it is suitable for measuring liquids and gases with high viscosity, prone to crystallization, high corrosiveness, and elevated temperatures.



产品原理 Product Principles

原先一般振动较大的场所使用的为表壳内充油可以防震，但由于温度较高或较低会使表壳内充油和垫圈产生化学反应出现漏油或凝固等现象；因此选用阻尼机芯，表头不充油也可以达到同样的防震效果。

管道式隔膜压力表是由不同功能类型的压力表与一个管道式隔膜隔离体配接而成的，管道式隔膜隔离体的连接方式有螺纹连接与卫生型卡盘连接，夹持式等等，管道式隔膜压力表是通过管道式内部的波纹式隔离膜片带来传导压力的，管道式隔膜压力表是通过隔离液作为传导介质，所以它不能测量很小的压力。

广泛应用于石油、化工、医药、食品、造纸等行业。管道式隔膜压力表采用耐用压力表故有效的消除了介质脉动和环境振动所产生的影响，使得仪表指示稳定、可靠，并提高了仪表的使用寿命，所以比较适用于测量粘度大、易结晶、腐蚀性大、温度较高的液体、气体当中。

In the past, pressure gauges used in highly vibrating environments were filled with oil to provide shock resistance. However, at high or low temperatures, the oil and gaskets inside the gauge could undergo chemical reactions, leading to oil leakage or solidification. To address this, a damping mechanism is used in which the gauge head is not filled with oil, but it still achieves the same shock resistance effect.

A pipeline diaphragm pressure gauge is a combination of different types of pressure gauges with a pipeline diaphragm isolation device. The connection methods of the pipeline diaphragm isolation device include threaded connection, sanitary clamp connection, and clamp type, among others. The pipeline diaphragm pressure gauge utilizes a corrugated diaphragm inside the pipeline to transmit pressure. As it uses an isolation liquid as the transmitting medium, it is not suitable for measuring very low pressures.

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技术参数

Main Technical Specifications

型号 Model	测量范围 MPa Measurement Range	精度等级 Accuracy Grade
YMF-100GD YMF-150GD	0~0.1、0~0.16、0~0.25、0~0.4、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、-0.1~0、0~0.06、 0~0.15、0~0.3、0~0.5、0~0.9、0~1.5、0~2.4	1.0, 1.6, 2.5