

附件

Accessories

化学密封 Chemical Seal

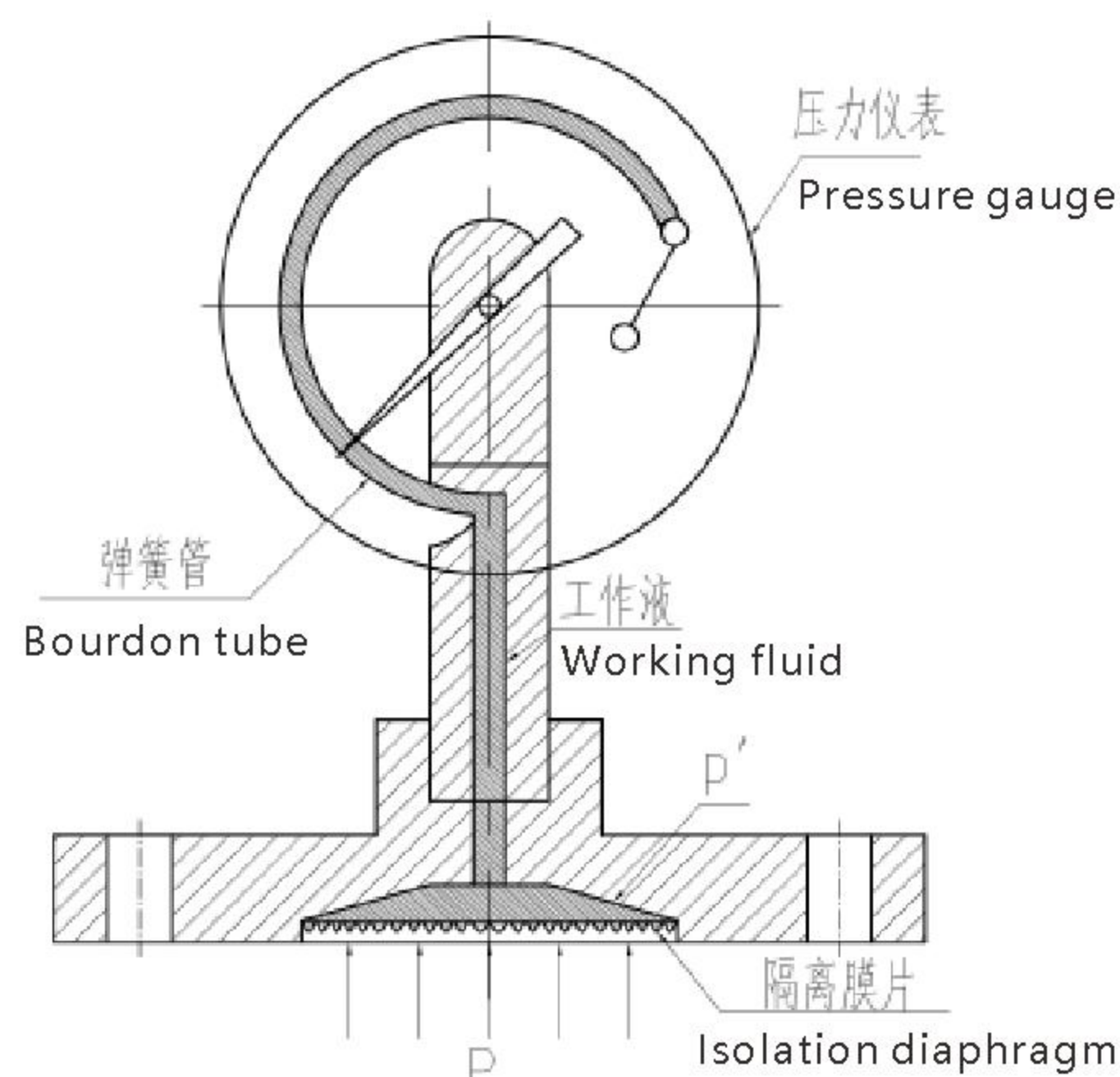
隔膜系列压力表是由一个不同类型的标准压力表与一个隔膜隔离体配接而成的。隔膜隔离体中配有隔膜，可以将被测介质与填充液分开，增加了标准型压力表对特殊腐蚀要求、温度高、粘度大或含有固态浮游物、易结晶介质的测量性能。主要应用在石油化工、制碱、化纤、制药、钢铁、食品等行业。隔膜隔离体分为螺纹连接和法兰连接。

The diaphragm series pressure gauge is composed of a standard pressure gauge of different types and a diaphragm seal. The diaphragm seal is equipped with a diaphragm, which separates the measured medium from the filling liquid. This enhances the measurement performance of the standard pressure gauge in applications with special corrosion requirements, high temperatures, high viscosity, solid particulates, or prone to crystallization. It is mainly used in industries such as petroleum and chemical, alkali production, chemical fiber, pharmaceuticals, steel, and food. The diaphragm seal is available in threaded and flanged connections.

结构原理 Product Principles

隔离膜片在被测介质压力 P 的作用下产生变形，使内部填充液形成一个相当于 P 的压力 p' 经工作液的传导，使压力仪表中的弹簧管发生变形，并在与之相配接的压力仪表上显示出被测的压力值。

The diaphragm in the pressure gauge undergoes deformation under the pressure P of the measured medium. This deformation causes the internal filling liquid to generate a pressure p' equivalent to P . Through the conduction of the working fluid, the diaphragm transmits this pressure to the pressure gauge, causing deformation in the diaphragm of the pressure gauge. As a result, the measured pressure value is displayed on the connected pressure gauge.

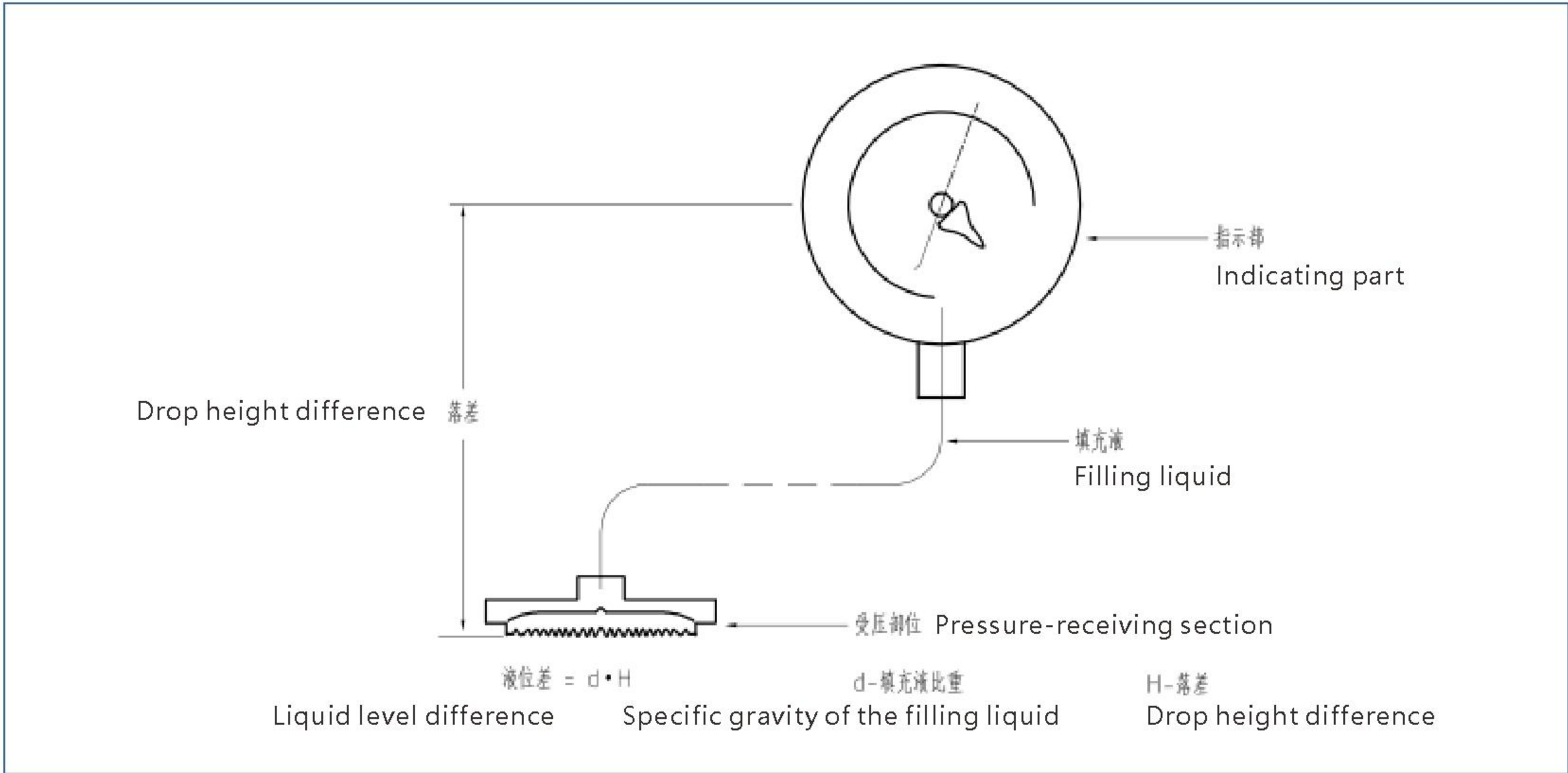


隔膜压力表密封液的液位差

Sealing liquid level difference in diaphragm pressure gauge

隔离膜片在被测介质压力 P 的作用下产生变形，使内部填充液形成一个相当于 P 的压力 p' 经工作液的传导，使压力仪表中的弹簧管发生变形，并在与之相配接的压力仪表上显示出被测的压力值。

The isolation diaphragm undergoes deformation under the pressure P of the measured medium, causing the internal filling liquid to generate a pressure p' equivalent to P through the conduction of the working fluid. This leads to the deformation of the Bourdon tube in the pressure gauge and the display of the measured pressure value on the connected pressure gauge.



法兰式隔离密封 Flange Isolation Seal

型号 Model	名称 Name	图样 Sample photo	应用 Application
F01	平嵌膜片 Flat Embedded Diaphragm		有高温要求的过程和石化行业 High-temperature processes and petrochemical industry
F02	夹心型 Sandwich Type		有高温要求的过程和石化行业 High-temperature processes and petrochemical industry
F04	插入式 Insertion Type		带可插入扩展膜片的法兰隔膜密封 Flange diaphragm seal with insertable extended diaphragm

F03	内嵌膜片 Embedded Diaphragm		有高温要求的过程和石化行业 High-temperature processes and petrochemical industry
F06	整体焊接式或鞍型法兰 Integral Welding or Saddle Flange		用于在化学工程和石化行业中连接 整体焊接式法兰或鞍型法兰 High-temperature processes and petrochemical industry
F07	鞍型法兰 Saddle Flange		适用于纸浆和造纸工业 Suitable for pulp and paper industry

阻尼器

Damping device

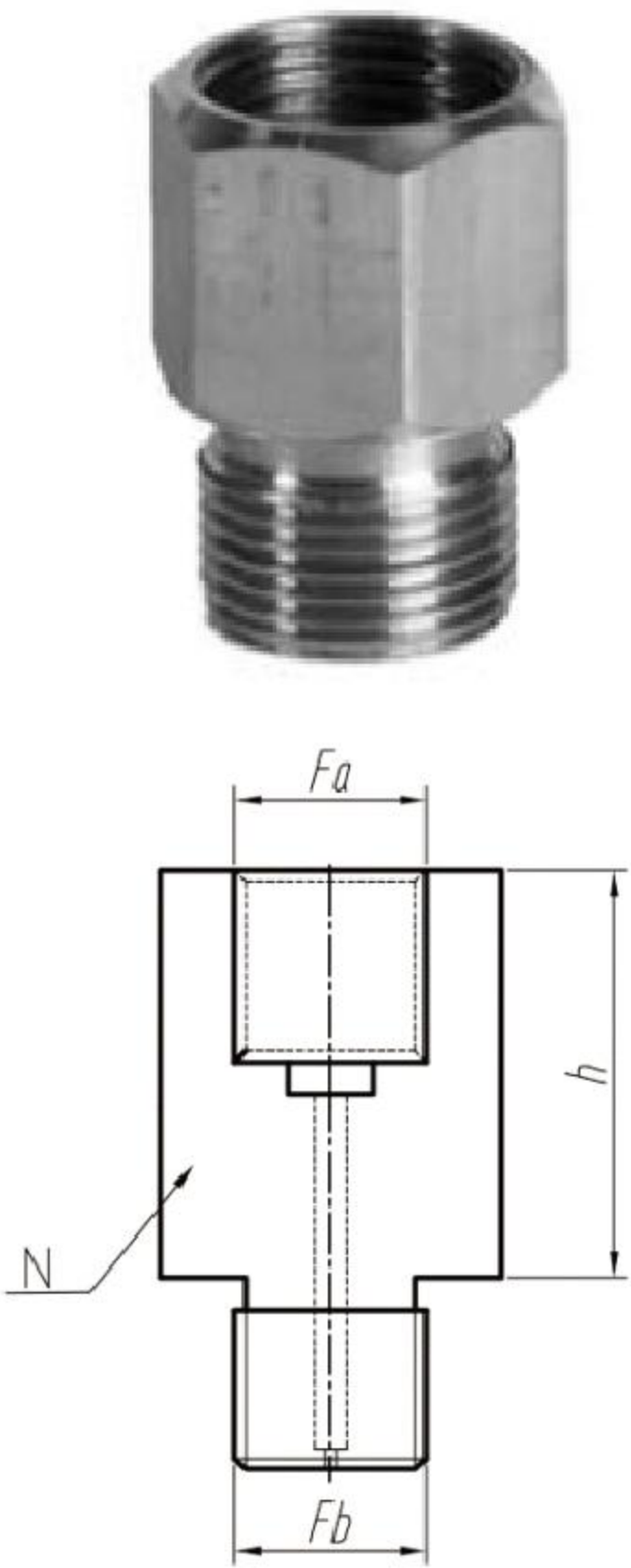
产品应用 Product Application

用来御防强烈的流体脉冲，以保护压力表不受损坏的装置。
适用于被测介质有强烈脉冲的压力系统中。

Used to prevent strong fluid pulses and protect the pressure gauge from damage. Suitable for pressure systems with strong pulsations in the measured medium.

产品结构 Product Structure

F	H	N
M20×1. 5a-M20×1. 5b	20	24
1/2"NPT a-1/2"NPT b	20	24
G1/2" a-G1/2"b	20	24



散热器

Cooling Fin SR

产品应用

Product Application

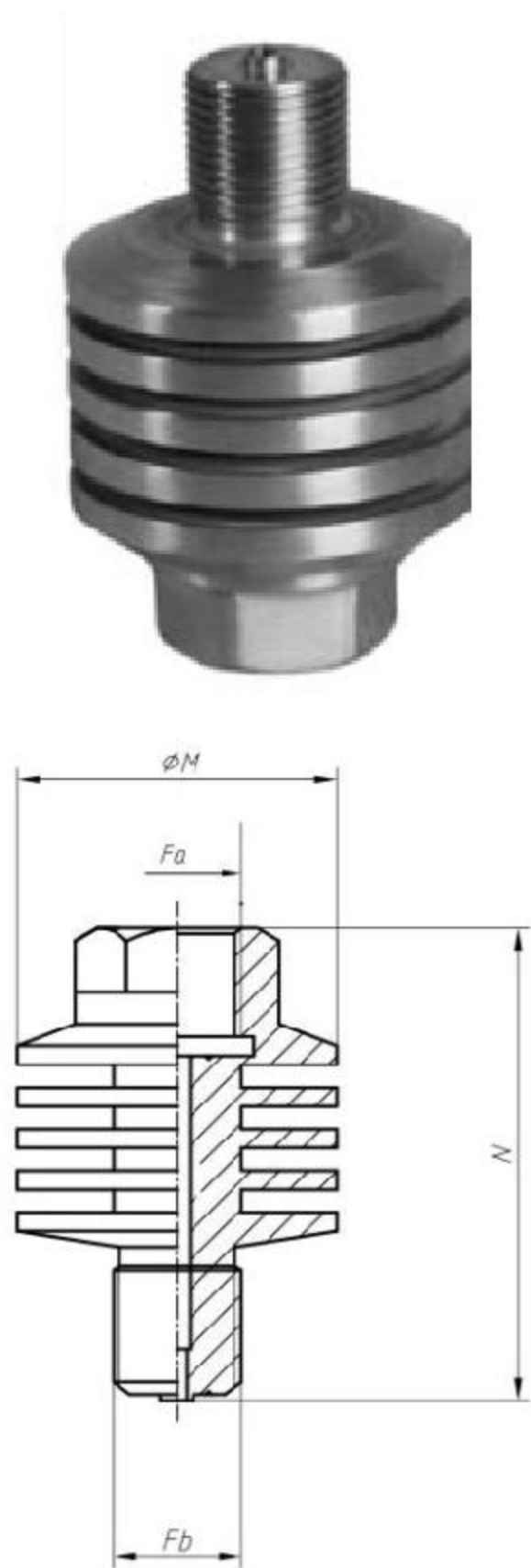
用来御防强烈的流体脉冲，以保护压力表不受损坏的装置。
适用于被测介质有强烈脉冲的压力系统中。

Damping device Used to prevent strong fluid pulses and protect the pressure gauge from damage. Suitable for pressure systems with strong pulsations in the measured medium.

产品结构

Product Structure

F	H	N
M20×1. 5a-M20×1. 5b	50	75
1/2"NPT a-1/2"NPT b	50	75
G1/2" a-G1/2"b	50	75



过压保护器

Overvoltage Protection device

产品应用

Product Application

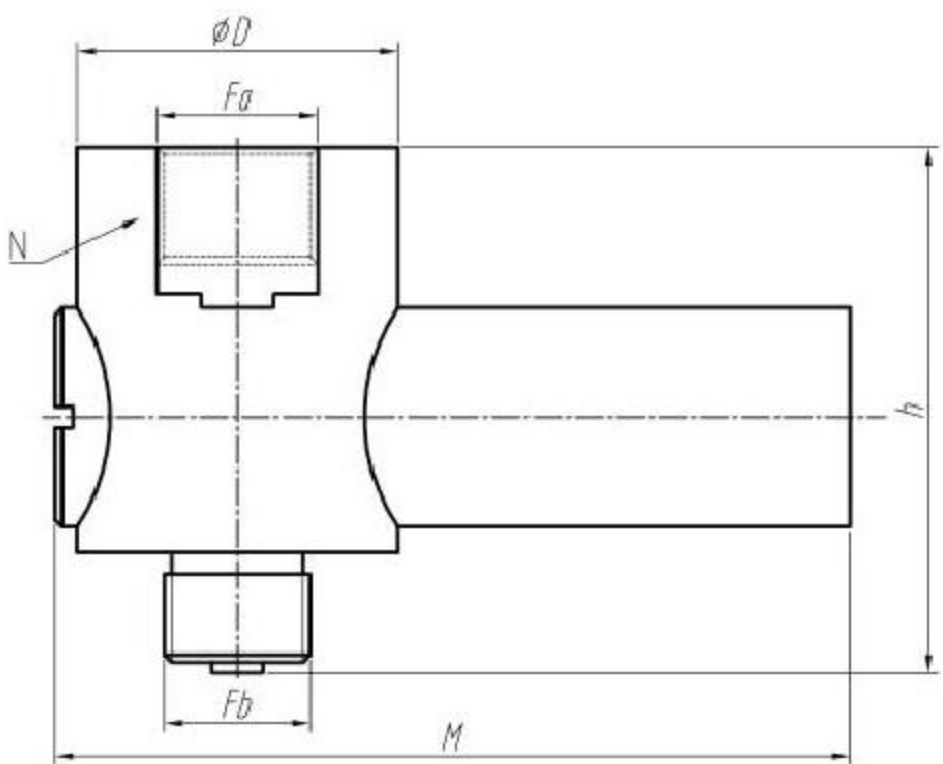
用来御防强烈的流体脉冲，以保护压力表不受损坏的装置。
适用于被测介质有强烈脉冲的压力系统中。

It is a device used to protect pressure gauges from being damaged by strong fluid pulses. It is suitable for pressure systems with intense pulses in the medium being measured.

产品结构

Product Structure

F	D	h	M	N
M20×1. 5a-M20×1. 5b	44	80	110	37
1/2"NPT a-1/2"NPT b	44	80	110	37



冷凝管

Condenser Tube

产品应用 Product Application

冷凝管主要应用在具渗透或饱和的蒸气高温环境之下，避免压力表内部直接与高温流体接触。

Condenser tubes are mainly used in environments with permeating or saturated high-temperature vapor to prevent direct contact between the internal pressure gauge and the high-temperature fluid.

