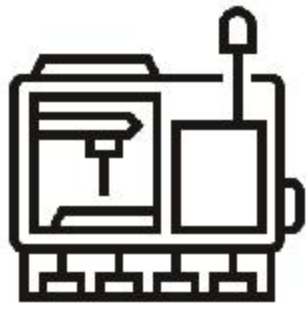


PG500 Semi-steel shock-resistant pressure gauge

Application scenarios



Hydraulic equipment



Pump and Compressor



Measurement field



Various shock-resistant processes



Product features

Shock resistant	Pressure Range	Accuracy	Design Standard
Vibration and shock resistance	-0.1~60MPa	±2.5%、±1.6%、±1%（Optional）	GB/T1226-2001

Product description

- PG500 standard is GB/T1226-2001, with strict control from design to production and superior reliability.
- The pressure gauge casing is made of stainless steel, and the joint part is made of copper alloy.
- The product can choose internal liquid filling: the medium is Glycerol, which effectively resists vibration and shock from the site, ensuring the reliable and stable operation of the gauge.
- The diameter of the gauge include 40mm, 50mm, 63mm, 75mm, 98mm, 100mm, and 150mm, The pressure range can cover:-0.1~60MPa, The accuracy can reach ± 2.5%, ± 1.6%, ± 1% (optional), and the protection level is IP65, with a wide range of choices, can be widely used in hydraulic equipment, pumps and compressors, and various common industrial measurement fields.

Technical Parameter



Standard

GB/T1226-2001



Pressure range

-0.1~60MPa



Dial diameter

40mm、50mm、63mm、75mm、98mm、100mm、150mm



Accuracy

±2.5%、±1.6%、±1% (Optional)



Operating temperature range

(-10~+60) °C



Protection level

IP65



Bourdon tube

The material is copper alloy



Core

Copper



Case

Stainless steel



Liquid filled medium

Glycerol



Sealings

EPDM Nitrile rubber



Glass

Panel glass (double layered glass, organic glass optional)



Process connection

The joint material is copper alloy, with axial and radial options available,

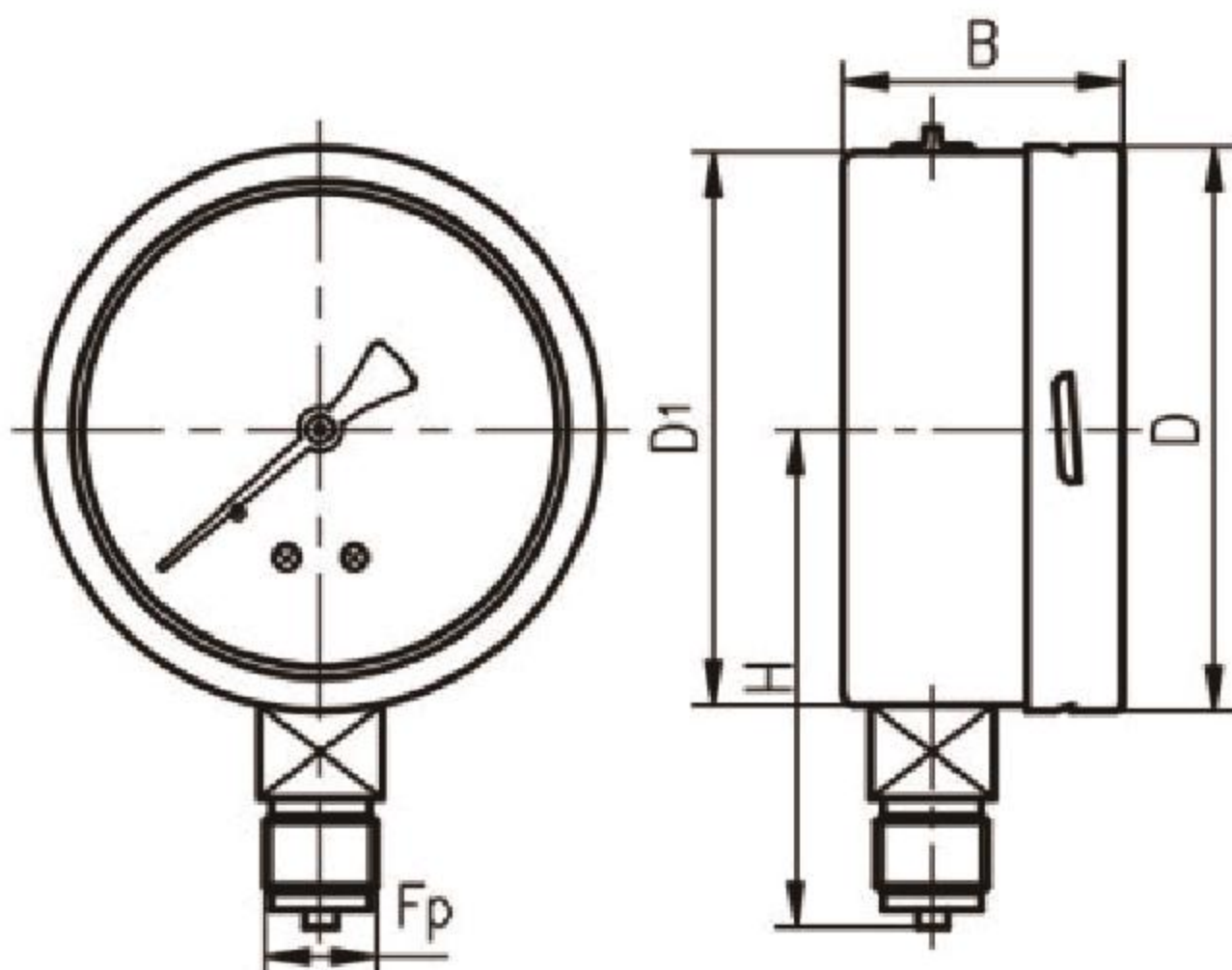
Thread: M20×1.5、G1/2、NPT1/2 (100, 150 diameter gauge) 、

M14×1.5、G1/4、NPT1/4 (63, 75 diameter gauge) 、

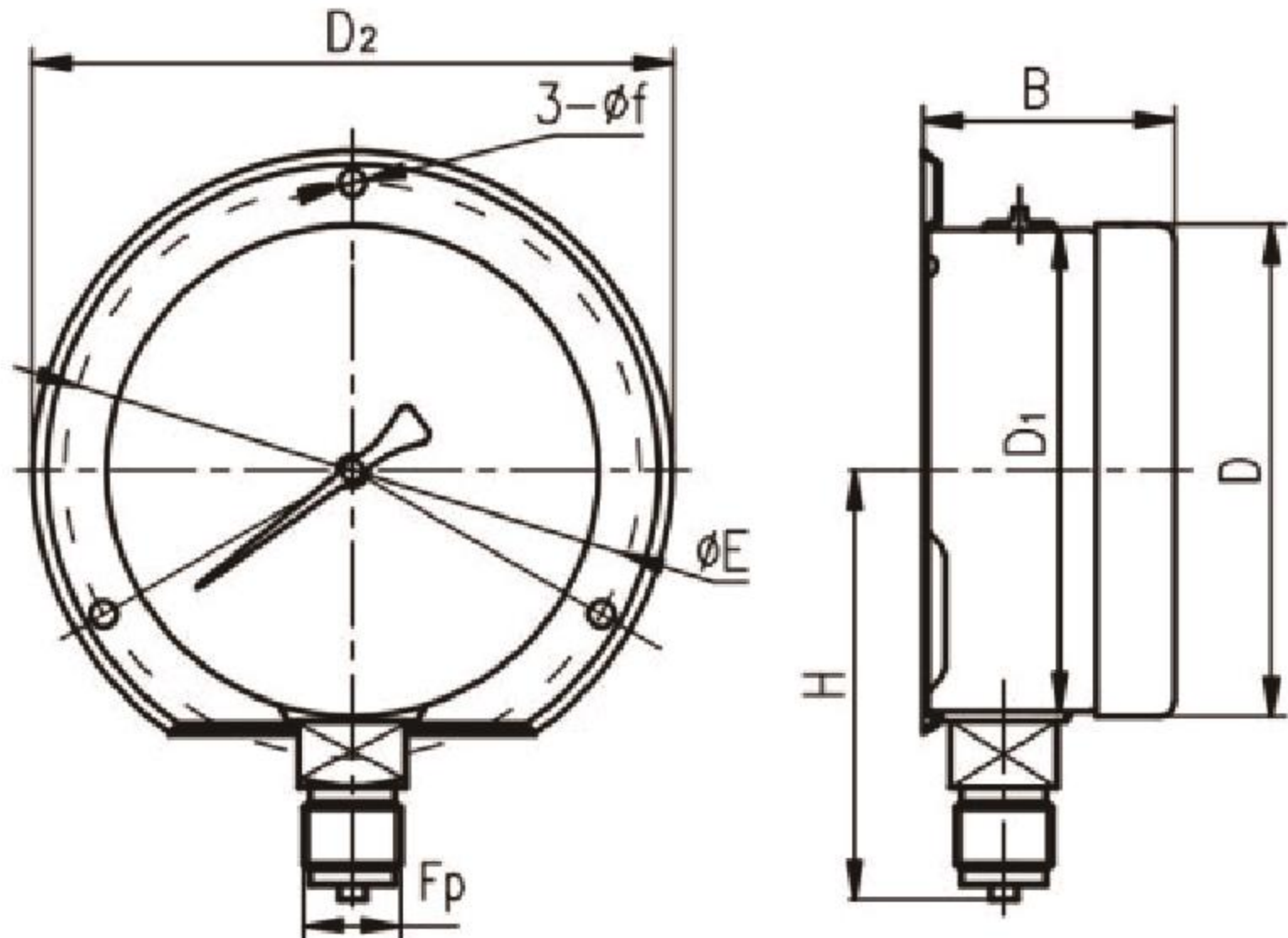
M10×1、G1/8、NPT1/8 (40, 50 diameter gauge) 。

Size

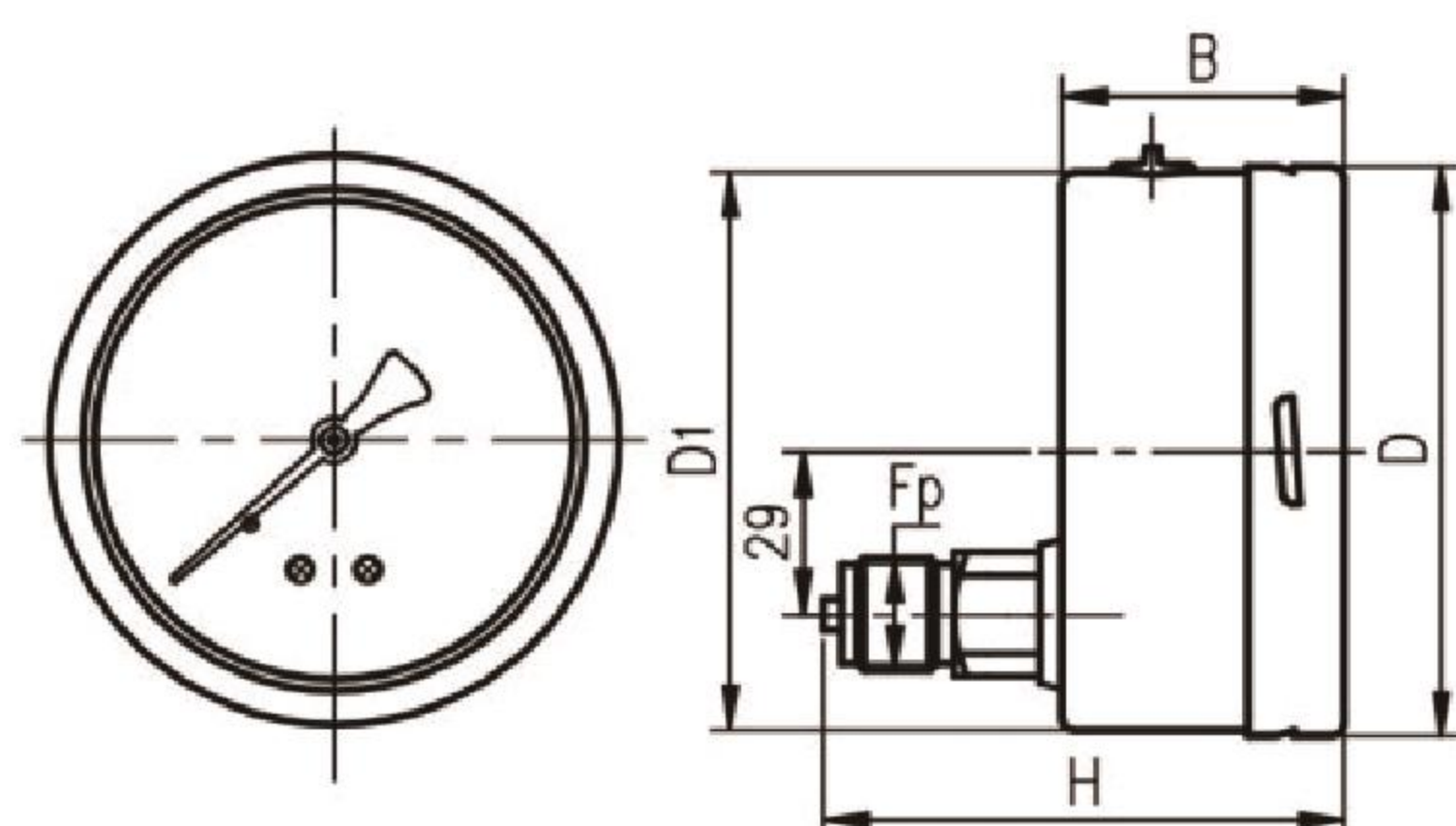
径向安装 Directly mounting



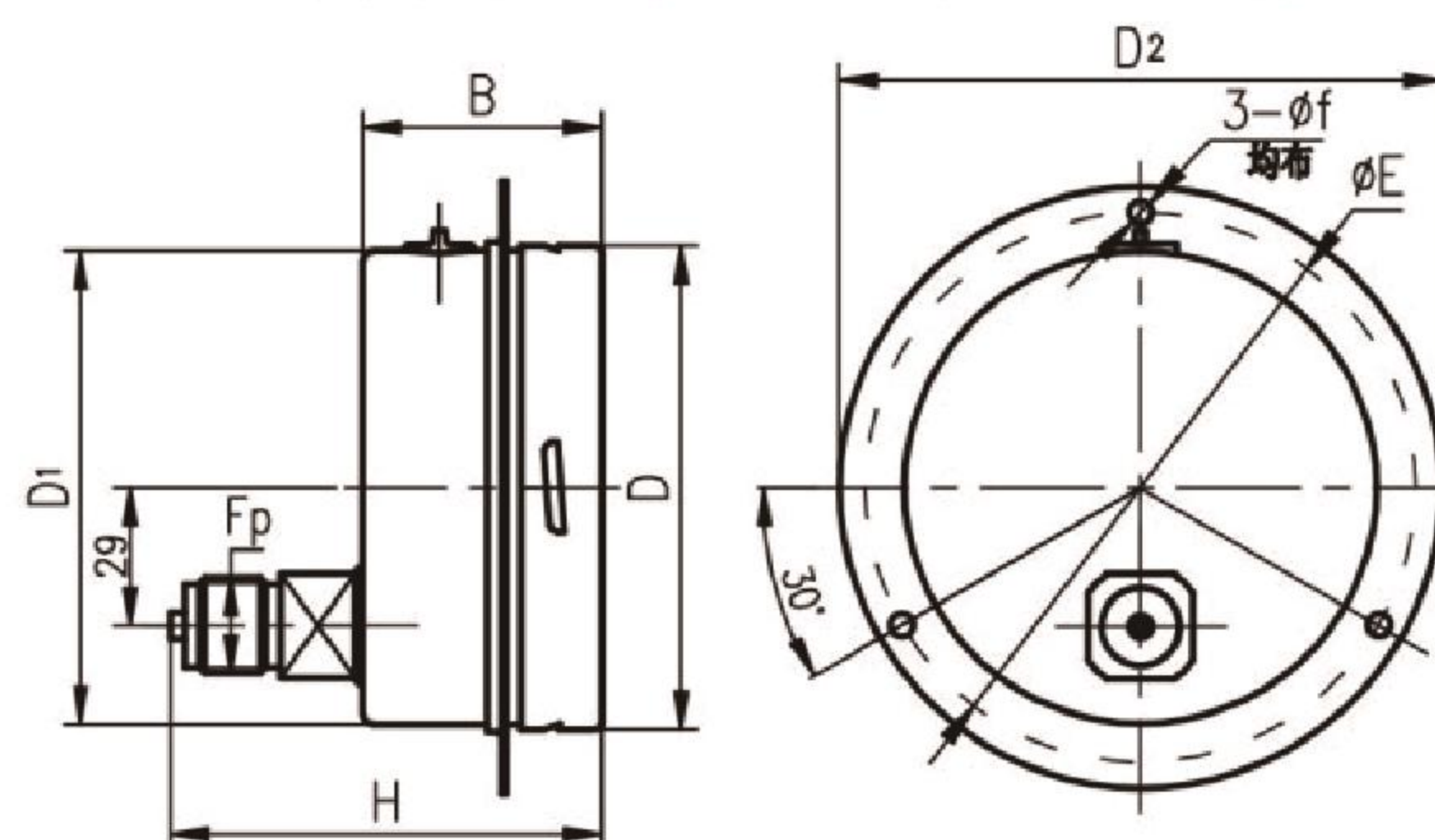
径向后背板安装 Bayonet flange mounting



下轴向安装 Directly mounting



下轴向嵌装 Bayonet flange mounting



径向 Radial	主题尺寸 Size					Size with Flange 带边尺寸		
可选型号Type code	D	D1	B	H	Fp	D2	φ E	φ f
φ 100 径向 Radial	101	99	50	89/86	M20x1.5/NPT1/2	131.5	118	5.5
φ 150 径向 Radial	149	147	50	118/115	M20x1.5/NPT1/2	181	162	6
φ 160 径向 Radial	161	159	50	124/121	M20x1.5/NPT1/2	196	178	5.8

轴向 Axial	主题尺寸 Size					Size with Flange 带边尺寸		
可选型号Type code	D	D1	B	H	Fp	D2	φ E	φ f
φ 100 轴向 Axial	101	99	50	92/89	M20x1.5/NPT1/2	128	117.5	5.5
φ 150 轴向 Axial	149	147	50	91/88	M20x1.5/NPT1/2	180	165	6
φ 160 轴向 Axial	161	159	50	89/86	M20x1.5/NPT1/2	196	178	5.8

Dial diameter

- 40 φ40mm
- 50 φ50mm
- 63 φ63mm
- 75 φ75mm
- 98 φ98mm
- 100 φ100mm
- 150 φ150mm

Mounting method

- A Radial direct mounting
- B Radial bayonet flange mounting
- C Axial direct mounting
- D Axial bayonet flange mounting

Thread Spec

- GM M20x1.5
- GN NPT1/2
- GT NPT1/4
- GO G1/4
- GP G1/2
- YY Customized

Special Options

- PG Polishing treatment
- ZN Damping screws
- TK Carbon steel shell
- TF 304 shell
- TC 316L shell
- JD 1% accuracy
- BP Special panel
- SC Safety double-layer glass
- YJ Organic glass
- YY Customized

Pressure Range

XX Refer to the following range code table

PG500 Semi-steel shock-resistant pressure gauge

Range code table					
Code	Range	Code	Range	Code	Range
BG00K	(-0.1~0) MPa	G100K	(0~0.1) MPa	G4M	(0~4) MPa
BG60K	(-0.1~0.06) MPa	G160K	(0~0.16) MPa	G6M	(0~6) MPa
BG150K	(-0.1~0.15) MPa	G250K	(0~0.25) MPa	G10M	(0~10) MPa
BG300K	(-0.1~0.3) MPa	G400K	(0~0.4) MPa	G16M	(0~16) MPa
BG500K	(-0.1~0.5) MPa	G600K	(0~0.6) MPa	G25M	(0~25) MPa
BG900K	(-0.1~0.9) MPa	G1M	(0~1) MPa	G40M	(0~40) MPa
BG1.5M	(-0.1~1.5) MPa	G1.6M	(0~1.6) MPa	G60M	(0~60) MPa
BG2.4M	(-0.1~2.4) MPa	G2.5M	(0~2.5) MPa		

Selection rules :

Requirement: Dial diameter 63mm , Radial , (0~1) MPa , M20x1.5

Model: PG500-63AG1MGM