

Micro ultra-high purity pressure gauge Diaphragm pressure gauge, stainless steel Model: PG280,PG280IGS



Left-top and left-bottom pictures: Model PG280

Right-top and right-bottom pictures: Model PG280IGS



Applications

- Ultra-high purity gas transportation system
- Process gas analyzer
- Semiconductor
- Special gas storage

Features

- 316 stainless steel EP shell
- Wetted parts are made of stainless steel 316L material and treated with EP
- Helium leak test, leakage rate $\leq 10^{-9}$ mbar·l/s (test method: helium mass spectrometry)
- VCR® external or internal thread face seal connection

Specifications

Dial size(mm)

28mm

Permissible temperature

-5...40°C

Accuracy class

- 2.5 (En837-1)
- $\pm 3-2-3\%$ (ASME B40.100 Grade B)

Pressure limitation

Steady: 3/4X full scale range
Fluctuation: 2/3X full scale range
Short Time: 1.0X full scale range

Scale Range

-0.1...1 MPa
-0.1...0.4MPa
-0.1...0.2MPa
-30...60psig
Or all other equivalent vacuum or compound pressure and vacuum ranges



Model: PG280,PG280IGS

Specifications

Process connection

- PG280: Joint, stainless steel 316L (VAR)
Diaphragm, stainless steel 316L (VAR)
- PG280IGS: Joint, stainless steel 316L (VIM&VAR)
Diaphragm, stainless steel 316L (VIM&VAR)

Movement

Stainless steel

Pointer

Aluminum alloy, black

Case

Stainless steel 316EP shell

Dial

Aluminum alloy, white

Window

Polycarbonate

Ring

Stainless steel 316EP

Purity grade

Ultra high purity application



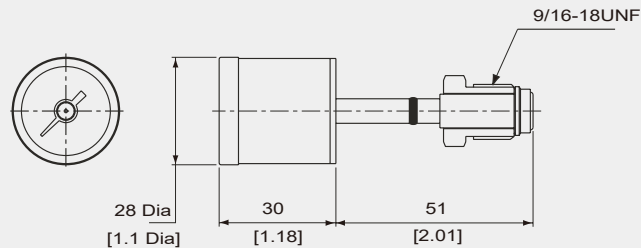
Model: PG280,PG280IGS

Dimensions in mm

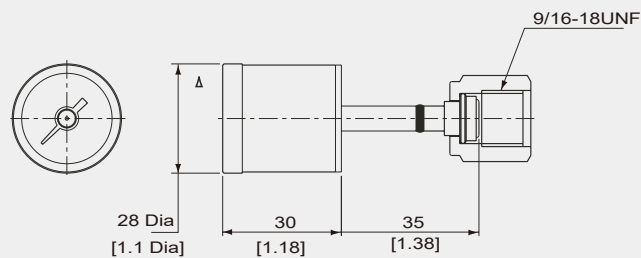
Model PG280, Back mount(axial)

Dial size: 28

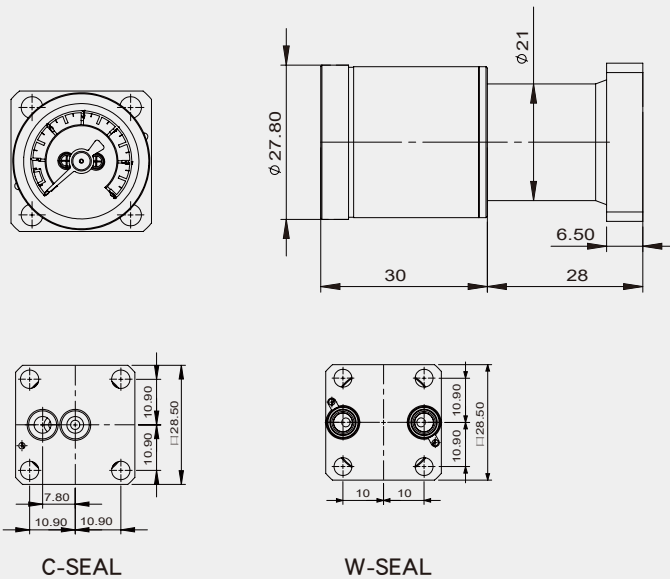
Male Swivel



Female Swivel



Model PG280IGS, Back mount(axial) (1.125")



Model: PG280,PG280IGS

ORDERING CODE						
Model PG280 PG280IGS						
Dial size(mm) (28)-28mm						
Process connection location (CB)-Center back mount(axial)						
Purity grade (UHP) - Ultra high purity application						
Process connection sizes						
(SM)-Male Swivel 9/16 - 18 UNF (compatible with 1/4 VCR®)						
(SF)-Female Swivel 9/16 -18 UNF (compatible with 1/4 VCR®)						
(CS)-C-SEAL						
(WS)-W-SEAL						
For other threaded connections, please contact the factory						
Option (N/A) -" "						
Scale Range						
N0.1/1MP = -0.1...1MPa						
N0.1/0.4 MP = -0.1...0.4MPa						
N0.1/0.2MP = -0.1...0.2MPa						
N30HG&60# = -30inHg...60psi						

