

Pressure Gauge

Class 2,5

AT 4258

| Dimension | PN | Temperature range | Material |
|---------------|-------------------------------------|-------------------|----------|
| G 1/4 - G 3/8 | Full scale value for temporary load | -20 °C to +60 °C | Plastic |

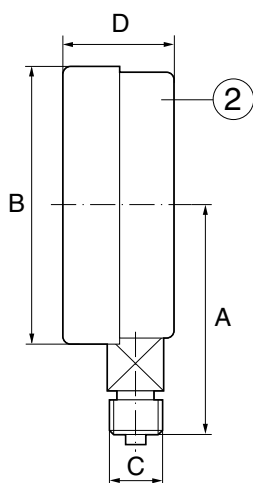
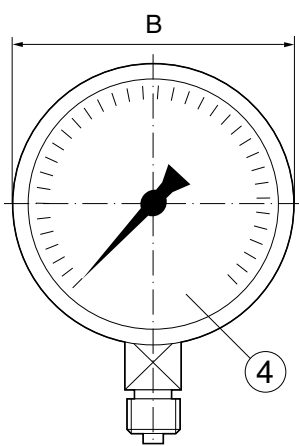
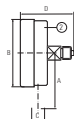
Range of Application

For measuring the pressure of liquefied or gaseous non-aggressive media, primarily water, air and steam.

UGC.31 Pressure gauge

Pipe-mounted, with analogue display of instantaneous value. Pressure gauges AT 4258 of Bourdon tube type. Class 2.5, husdiameter 62 mm, graded 0 -.... bar / Pascal.





Quality Assurance

PED, AFS 1999:4

Material Specification

| | AT 4253 | AT 4257 | AT 4258 |
|---|-------------------|-------------------|-------------------|
| Bourdon | | | |
| 1 tube | copper alloy | copper alloy | copper alloy |
| 2 Hus | black plastic ABS | black plastic ABS | black plastic ABS |
| 3 Mätverk | copper alloy | platinum brass | copper alloy |
| 4 Glas | acrylic glass | acrylic glass | acrylic glass |
| Parts in contact with media is made of copper alloy | | | |

Dimensions

| | AT 4258 |
|--------------------|-----------------------------|
| A | - |
| B | 62 |
| C | G 1/4 |
| D | 29 (with connection pin 47) |
| Measurement in mm. | |

Function and Design

The pressure gauge is a bourdon tube type, which involves a circle-formed tube spring with an oval cross-section. The system pressure internally affects the bourdon tube so that it, at a certain pressure tends to straighten out. The free end of the bourdon tube moves proportionally with the internal pressure. This movement is then converted by the measuring element into a movement/indication value on the dial.

Technical Information

| | AT 4258 |
|-----------------------|--|
| Media temperature | -20°C to +60°C |
| Ambient temperature | -20°C to +60°C |
| Accuracy class | 2,5% |
| Effect of temperature | 0,4%/10°C (over and under 20°C) |
| IP class | 54 |
| Max. working pressure | 75% of the scale value at resting load. 66% of the scale value at fluctuating loads. |

Dimensioning

The scale range should be selected in accordance to the constant pressure that not should exceed 2/3 of the scale range.

Accessories and Options

For complete pressure gauges sets including control pressure gauge valve, water trap pipe and and pressure gauge valve, please see our AT 1800-1806 product sheet. The pressure gauges are also available in damping fluid-filled, in stainless steel and with non-standard gradings upon request.

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Installation

The pressure gauges are to be mounted so that they are both easy to read and protected against vibrations, heat, cold and high air humidity. For high fluid temperatures, a water trap pipe should be used. For pressure variations and vibrations, a damping fluid-filled pressure gauge should be used.

Marking

The products are marked with Armatec, class and grading.

How to order

Example: AT 4258-8-2,5

| AT 4258 | - | 10 | 2,5 |
|--|--|------------------|------------|
| Article no. AT 4258=bodydiam. 62 mm, back tap | Execution - = standard D = damping fluid-filled U = decompression | Connection -8 | Grading |