

# BOURDON TUBE PRESSURE GAUGE, STAINLESS STEEL WITHOUT / WITH GLYCERINE FILLING ACC. TO EN 837-1



DRUCK & TEMPERATUR

**Nominal sizes 100, 160**

**Connection position bottom or eccentric back**

**ATEX II 2 GD c IIC T6**

For pressure measurement under harsh operating conditions in production plants in the chemical industry and other comparable branches of industry. With glycerine filling in case the measuring system would be protect at pulsation pressure and mechanical vibration against attrition.

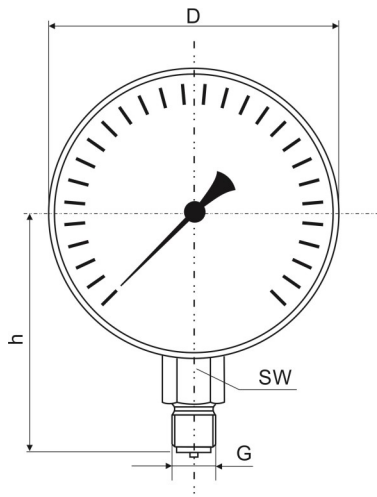


| Type   | 6325  | 6329           | 6316                         | 6318           | Options                                  |
|--|---|----------------|------------------------------|----------------|--|
| Nominal size   | 100   |                | 160                          |                |  |
|  | fillable  |                |                              |                | damped measuring mechanism               |
| Symbol   |   |                |                              |                |  |
| Accuracy   | 1,0 acc. to DIN EN 837-1  |                |                              |                |  |
| Measuring ranges                                       | 0...0,6 up to 0...1600 bar, negative and/or positive overpressure   |                |                              |                |  |
| Applications   | Constant load: full of scale value<br>Alternating load: 0,9 x full scale value<br>Overload: 1,3 x full scale value, short time!                   |                |                              |                |  |
| Case   | Stainless steel 1.4301 (with blow out)  |                |                              |                |  |
| Ring   | Bayonet, Stainless steel 1.4301   |                |                              |                |  |
| Movement   | Stainless steel 316L (1.4404)   |                |                              |                | Monel                                    |
| Connection material                                    | Stainless steel 316L (1.4404)   |                |                              |                | Monel                                    |
| Thread   | G 1/2 B   |                |                              |                | M20 x 1,5, 1/2" NPT<br>others in request |
| Connection position                                    | radial bottom   | eccentric back | radial bottom                | eccentric back |  |
| Window   | Laminated safety glass  |                |                              |                |  |
| Movement   | Stainless steel 1.4301  |                |                              |                |  |
| Dial   | Aluminium white, scale and lettering black  |                |                              |                | Special scale,<br>double scale           |
| Pointer  | Aluminium black   |                |                              |                | Drag indicator,<br>mark pointer          |
| Temperatures without filling<br>with glycerine filling | Medium: -20°C up to +200°C, ambient/storage: -40°C up to +70°C<br>Medium: -7°C up to +70°C, ambient: -7°C up to +70°C, storage: -20°C up to +70°C |                |                              |                | Ambient temp. above -70°C                |
| Mounting options                                       | Rear or front flange, U-Clamp   |                |                              |                |  |
| Orifice  |   |                |                              |                | 316L Ø 0,5 mm                            |
| Protection class                                       | IP66 / 67 acc. to EN 60529 / IEC 529  |                |                              |                |  |
| Weight approx.   | 0,9 kg (with filling 1,2 kg)  |                | 1,2 kg (with filling 2,0 kg) |                |  |

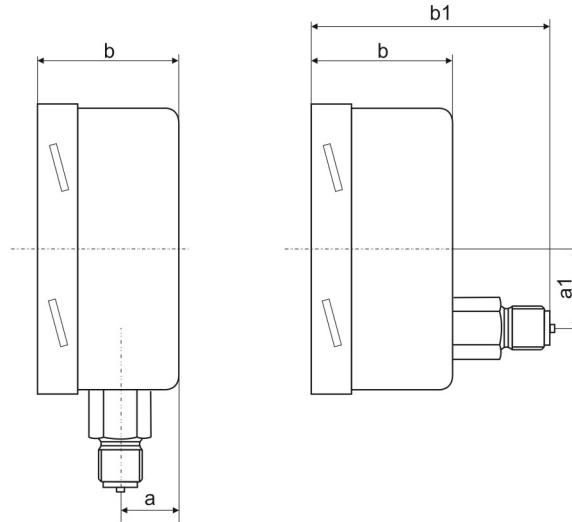
## Dimensional drawing

Dimensions in mm

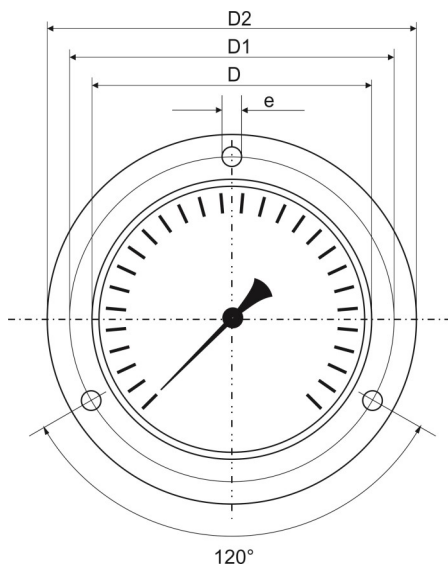
### Type 6325, 6316



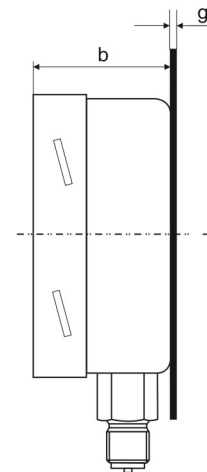
### Type 6329, 6318



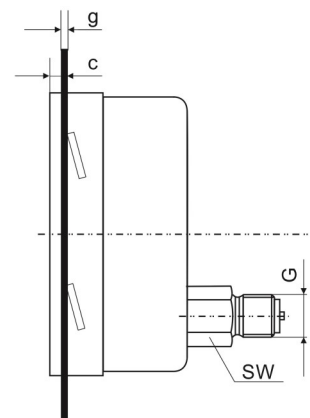
### Hole pattern repres. for wall mounting



### rear flange



### front flange



| Type | NG  | D   | G       | SW | b  | b1 | a    | a1 | h   | D1  | D2  | c  | e | g |
|------|-----|-----|---------|----|----|----|------|----|-----|-----|-----|----|---|---|
| 6325 | 100 | 101 | G 1/2 B | 17 | 51 | -  | 18,5 | -  | 85  | 118 | 132 | 6  | 6 | 2 |
| 6329 | 100 | 101 | G 1/2 B | 17 | 51 | 86 | -    | 35 |     | 118 | 132 | 6  | 6 | 2 |
| 6316 | 160 | 161 | G 1/2 B | 17 | 50 | -  | 17   | -  | 115 | 178 | 196 | 17 | 6 | 2 |
| 6318 | 160 | 161 | G 1/2 B | 17 | 50 | 85 | -    | 35 | -   | 178 | 196 | 17 | 6 | 2 |