

## Overview

- For corrosive gasses and liquids
- Grade 2A (ASME B40.100)
- Solid front gauge
- Safety through protection of the Bourdon tube against leakages due to overpressure
- Wetted parts: Stainless steel
- Case material: PBT, Fire Retardant, UL94 V0
- Option: Liquid-filled for applications with pulsations or vibrations
- Intelligent filling management requires less damping fluid



## Technical data

### Housing

|                              |                                                                                           |
|------------------------------|-------------------------------------------------------------------------------------------|
| Nominal size                 | 4.5" (115 mm)                                                                             |
| Case material                | PBT, Fire Retardant, UL94 V0                                                              |
| Bezel ring material          | PBT, Fire Retardant, UL94 V0                                                              |
| Window material              | Laminated safety glass                                                                    |
| Window gasket                | Elastomer                                                                                 |
| Protection rating (EN 60529) | IP67                                                                                      |
| Dial                         | White, Aluminium                                                                          |
| Pointer                      | Black, Aluminium<br>Adjustable micro metric pointer (P ≥ 20 psi)                          |
| Movement material            | Stainless steel, performance tuning with special lubricants, grease and surface treatment |
| Safety                       | Solid front gauge with solid front and pressure relief back                               |

### Temperature

|                     |                               |
|---------------------|-------------------------------|
| Ambient temperature | -4°F ... +158°F               |
| Storage temperature | -40°F ... +158°F              |
| Media temperature   | -40°F ... +392°F (not filled) |

### Wetted parts

|                             |                                    |
|-----------------------------|------------------------------------|
| Process connection material | Stainless steel AISI 316L / 1.4404 |
| Bourdon tube                | Stainless steel AISI 316L / 1.4404 |

### Performance

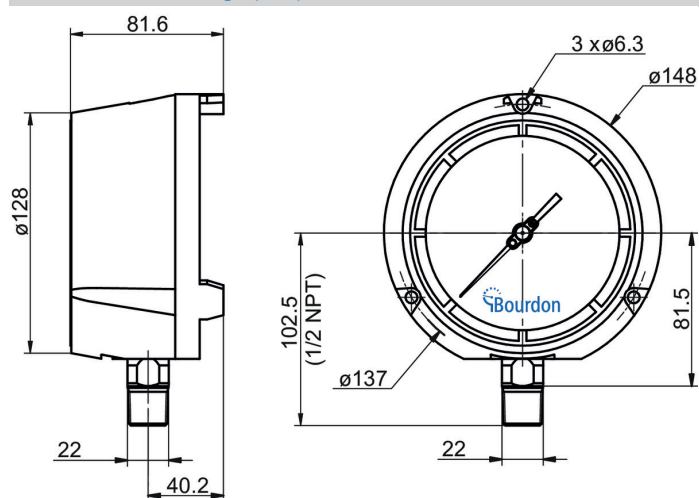
|                                         |                                                                                                                     |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Accuracy according to ASME B40.100      | Grade 2A, ± 0.5%                                                                                                    |
| Min. measuring range                    | 0 ... 10 psi                                                                                                        |
| Max. measuring range                    | 0 ... 15 000 psi                                                                                                    |
| Type of pressure                        | Gauge<br>Compound<br>Vacuum                                                                                         |
| Pressure limitation (ranges ≤ 6000 psi) | Steady: 100 % of full scale value<br>Fluctuating: 90 % of full scale value<br>Short time: 130 % of full scale value |
| Pressure limitation (ranges > 6000 psi) | Steady: 75 % of full scale value<br>Fluctuating: 65 % of full scale value<br>Short time: 100 % of full scale value  |

|                                   |                |
|-----------------------------------|----------------|
| Thermal drift (reference: +67 °F) | ± 0.4 % FS/10K |
|-----------------------------------|----------------|

### Weight

|       |                                     |
|-------|-------------------------------------|
| Gauge | 1.9 lbs unfilled<br>2.65 lbs filled |
|-------|-------------------------------------|

Dimensional drawings (mm)



Type A

## Measuring ranges

| Code | Bar         | Code | kPa            | Code | kg/cm <sup>2</sup> | Code | psi             |
|------|-------------|------|----------------|------|--------------------|------|-----------------|
| C59  | -1 ... 0    | D59  | -100 ... 0     | F59  | -1 ... 0           | H59  | -30" Hg ... 0   |
| C72  | -1 ... 0.6  | D72  | -100 ... 60    | F72  | -1 ... 0.6         | H73  | -30" Hg ... 15  |
| C74  | -1 ... 1.5  | D74  | -100 ... 150   | F74  | -1 ... 1.5         | H75  | -30" Hg ... 30  |
| C76  | -1 ... 3    | D76  | -100 ... 300   | F76  | -1 ... 3           | H2C  | -30" Hg ... 60  |
| C77  | -1 ... 5    | D77  | -100 ... 500   | F77  | -1 ... 5           | H78  | -30" Hg ... 100 |
| C79  | -1 ... 9    | D79  | -100 ... 900   | F79  | -1 ... 9           | H79  | -30" Hg ... 150 |
| C81  | -1 ... 15   | D81  | -100 ... 1 500 | F81  | -1 ... 15          | H81  | -30" Hg ... 220 |
| C82  | -1 ... 24   | D82  | -100 ... 2 400 | F82  | -1 ... 24          | H82  | -30" Hg ... 300 |
| C12  | 0 ... 0.6   | D12  | 0 ... 60       | F12  | 0 ... 0.6          | H13  | 0 ... 10        |
| C15  | 0 ... 1     | D15  | 0 ... 100      | F15  | 0 ... 1            | H15  | 0 ... 15        |
| C16  | 0 ... 1.6   | D16  | 0 ... 160      | F16  | 0 ... 1.6          | H1C  | 0 ... 20        |
| C18  | 0 ... 2.5   | D18  | 0 ... 250      | F18  | 0 ... 2.5          | H17  | 0 ... 30        |
| C19  | 0 ... 4     | D19  | 0 ... 400      | F19  | 0 ... 4            | H19  | 0 ... 60        |
| C20  | 0 ... 6     | D20  | 0 ... 600      | F20  | 0 ... 6            | H21  | 0 ... 100       |
| C22  | 0 ... 10    | D22  | 0 ... 1 000    | F22  | 0 ... 10           | H22  | 0 ... 160       |
| C24  | 0 ... 16    | D24  | 0 ... 1 600    | F24  | 0 ... 16           | H23  | 0 ... 200       |
| C26  | 0 ... 25    | D26  | 0 ... 2 500    | F26  | 0 ... 25           | H25  | 0 ... 300       |
| C27  | 0 ... 40    | D27  | 0 ... 4 000    | F27  | 0 ... 40           | H26  | 0 ... 400       |
| C29  | 0 ... 60    | D29  | 0 ... 6 000    | F29  | 0 ... 60           | H27  | 0 ... 600       |
| C31  | 0 ... 100   | D31  | 0 ... 10 000   | F31  | 0 ... 100          | H30  | 0 ... 1 000     |
| C33  | 0 ... 160   | D33  | 0 ... 16 000   | F33  | 0 ... 160          | H31  | 0 ... 1 500     |
| C35  | 0 ... 250   | D35  | 0 ... 25 000   | F35  | 0 ... 250          | H34  | 0 ... 3 000     |
| C38  | 0 ... 400   | D38  | 0 ... 40 000   | F38  | 0 ... 400          | H38  | 0 ... 6 000     |
| C39  | 0 ... 600   | D39  | 0 ... 60 000   | F39  | 0 ... 600          | H40  | 0 ... 10 000    |
| C41  | 0 ... 1 000 | D41  | 0 ... 100 000  | F41  | 0 ... 1 000        | H41  | 0 ... 15 000    |

## Ordering reference

Ordering key - Configuration possibilities see website

|                                                     | MPG6 | - | A | # | # | . | ### |
|-----------------------------------------------------|------|---|---|---|---|---|-----|
| <b>Product</b>                                      | MPG6 |   |   |   |   |   |     |
| bottom connection,<br>back fixing for wall mounting |      |   | A |   |   |   |     |
| <b>Process connection</b>                           |      |   |   |   |   |   |     |
| 1/2 NPT                                             |      |   |   | 6 |   |   |     |
| 1/4 NPT                                             |      |   |   | 5 |   |   |     |
| <b>Damping fluid<sup>(1)(2)</sup></b>               |      |   |   |   |   |   |     |
| without                                             |      |   |   |   | 0 |   |     |
| BH1, Glycerin 86 %                                  |      |   |   |   | 1 |   |     |
| BH2, Glycerin 99 %                                  |      |   |   |   | 2 |   |     |
| BH3, Silicone oil                                   |      |   |   |   | 3 |   |     |
| BH4, Silicone oil (for lower temperatures)          |      |   |   |   | 4 |   |     |
| BH5, Fluorinated oil                                |      |   |   |   | 5 |   |     |
| <b>Measuring range<sup>(3)</sup></b>                |      |   |   |   |   |   |     |
| bar (ANSI)                                          |      |   |   |   |   |   | Cxx |
| kPa (EN)                                            |      |   |   |   |   |   | Dxx |
| kg/cm <sup>2</sup> (EN)                             |      |   |   |   |   |   | Fxx |
| psi (ANSI)                                          |      |   |   |   |   |   | Hxx |
| bar/psi (EN)                                        |      |   |   |   |   |   | Kxx |
| psi/bar (ANSI)                                      |      |   |   |   |   |   | Sxx |
| psi/kPa (ANSI)                                      |      |   |   |   |   |   | Vxx |
| MPa (EN)                                            |      |   |   |   |   |   | Exx |

(1) Pressure ranges x12 and x13 Grade 1A (dry) and B (with filling), not available with filling BH2

(2) Pressure ranges x59 and x15 Grade 1A with filling

(3) Pressure ranges x41 Grade 1A

## Ordering example

|                                                     | MPG6 | - | A | 6 | 0 | . | H22 | / |
|-----------------------------------------------------|------|---|---|---|---|---|-----|---|
| <b>Product</b>                                      | MPG6 |   |   |   |   |   |     |   |
| bottom connection,<br>back fixing for wall mounting |      |   | A |   |   |   |     |   |
| <b>Process connection</b>                           |      |   |   |   |   |   |     |   |
| 1/2 NPT                                             |      |   |   | 6 |   |   |     |   |
| <b>Damping fluid</b>                                |      |   |   |   |   |   |     |   |
| without                                             |      |   |   |   | 0 |   |     |   |
| <b>Measuring range</b>                              |      |   |   |   |   |   |     |   |
| 0...160 psi (ANSI)                                  |      |   |   |   |   |   | H22 |   |

## Options

|                                        |      |                                            |      |
|----------------------------------------|------|--------------------------------------------|------|
| For oxygen applications                | 0765 | 3.1 Material certificate                   | Q003 |
| Restrictor screw 0,5 mm <sup>(1)</sup> | 0771 | 3.1 Calibration certificate 5 pts (rising) | Q008 |
| 2.1 Certificate                        | Q001 | 3.1 Calibration certificate 5 pts (EN837)  | Q009 |
| 2.2 Certificate                        | Q002 | 3.1 Calibration certificate 10 pts (EN837) | Q010 |
|                                        |      | High vis dial with red pointer             | -HV  |

(1) For fittings > 1/4"