

Flush diaphragm pressure gauge, compact design

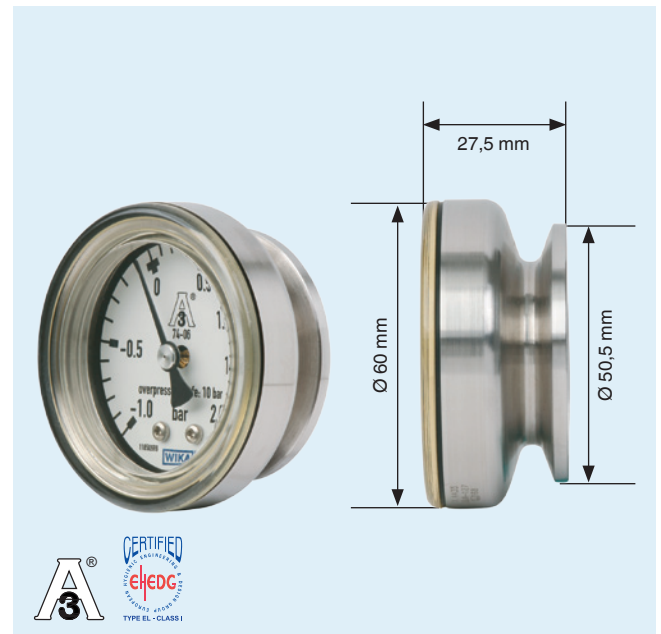
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**Applications**

- Tanks and container for sanitary applications
- Pressure monitoring of pipelines
- Monitoring of sterile filtration
- For gaseous and liquid aggressive media that are highly viscous or crystallising, also in aggressive ambience

**Special features**

- Compact, easily cleanable design (European Patent No. DE 102008042455)
- Dry measuring cell, no transmission fluid
- Flush, welded diaphragm
- Suitable for SIP and CIP, autoclavable
- Surface roughness of wetted parts  $Ra \leq 0,38 \mu m$  (15  $\mu in$ )



**Order Numbers**

|                    |                                                                                        |          |
|--------------------|----------------------------------------------------------------------------------------|----------|
| Diaphragm Material | NiCrCo-alloy (Inconel 718), Material number 2.4668, UNS N07718                         |          |
| Case material      | stainless steel, material number 1.4435 (316L), UNS S31603                             |          |
| Nominal size       | 63                                                                                     |          |
| Accuracy class     | 2,5                                                                                    |          |
| Process Connection | Clamp connection DIN 32676, pipe dimensions per DIN 11866 row C or ASME BPE, DN 1 1/2" |          |
| Measuring range    | -1 ... +2 bar                                                                          | 14107770 |
|                    | -1 ... +4 bar                                                                          | 14107775 |
|                    | -1 ... +9 bar                                                                          | 14107776 |
|                    | 0 ... 3 bar                                                                            | 14107781 |
|                    | 0 ... 5 bar                                                                            | 14107782 |
|                    | 0 ... 10 bar                                                                           | 14107784 |

Legend: Production items

## Quick order code (you can find further possible variants in data sheet PM 04.15)

| Field no.                                                   | Code              | Version                                                                                            |
|-------------------------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------|
| <b>Nominal size</b>                                         |                   |                                                                                                    |
| ①                                                           | 040               | 40                                                                                                 |
|                                                             | 063               | 63                                                                                                 |
| <b>Range</b>                                                |                   |                                                                                                    |
| ②                                                           | BV330             | -1...+2 bar                                                                                        |
|                                                             | BV350             | -1...+4 bar                                                                                        |
|                                                             | BV410             | -1...+9 bar                                                                                        |
|                                                             | BG330             | 0...3 bar                                                                                          |
|                                                             | BG350             | 0...5 bar                                                                                          |
|                                                             | BG410             | 0...10 bar                                                                                         |
|                                                             | PG331             | 0...45 psi                                                                                         |
|                                                             | PG348             | 0...70 psi                                                                                         |
|                                                             | PG410             | 0...150 psi                                                                                        |
|                                                             | PV331             | -30 inHg...+30 psi                                                                                 |
|                                                             | PV352             | -30 inHg...+60 psi                                                                                 |
|                                                             | PV410             | -30 inHg...+130 psi                                                                                |
| <b>Process Connection</b>                                   |                   |                                                                                                    |
| ③                                                           | CP115             | Clamp connection, pipe dimensions per BS 4825 part 3 or O.D.-Tube, DN 1 1/2"                       |
|                                                             | CP120             | Clamp connection, pipe dimensions per BS 4825 part 3 or O.D.-Tube, DN 2"                           |
|                                                             | DB126             | Clamp connection DIN 32676, pipe dimensions per DIN 11866 row B or ISO 1127 row 1, DN 26,9 (DN 20) |
|                                                             | DB133             | Clamp connection DIN 32676, pipe dimensions per DIN 11866 row B or ISO 1127 row 1, DN 26,9 (DN 25) |
|                                                             | DB142             | Clamp connection DIN 32676, pipe dimensions per DIN 11866 row B or ISO 1127 row 1, DN 26,9 (DN 32) |
|                                                             | DB148             | Clamp connection DIN 32676, pipe dimensions per DIN 11866 row B or ISO 1127 row 1, DN 26,9 (DN 40) |
|                                                             | DB160             | Clamp connection DIN 32676, pipe dimensions per DIN 11866 row B or ISO 1127 row 1, DN 26,9 (DN 50) |
|                                                             | DC115             | Clamp connection DIN 32676, pipe dimensions per DIN 11866 row C or ASME BPE, DN 1 1/2"             |
|                                                             | DC120             | Clamp connection DIN 32676, pipe dimensions per DIN 11866 row C or ASME BPE, DN 2"                 |
|                                                             | DA125             | Clamp connection DIN 32676, pipe dimensions per DIN 11866 row A or DIN 11850 row 2, DN 25          |
|                                                             | DA132             | Clamp connection DIN 32676, pipe dimensions per DIN 11866 row A or DIN 11850 row 2, DN 32          |
|                                                             | DA140             | Clamp connection DIN 32676, pipe dimensions per DIN 11866 row A or DIN 11850 row 2, DN 40          |
|                                                             | DA150             | Clamp connection DIN 32676, pipe dimensions per DIN 11866 row A or DIN 11850 row 2, DN 50          |
|                                                             | II128             | Clamp ISO 2852, pipe dimensions per ISO 2037 or BS 4825 part 1, DN 28                              |
|                                                             | II133             | Clamp ISO 2852, pipe dimensions per ISO 2037 or BS 4825 part 1, DN 33,7                            |
|                                                             | II138             | Clamp ISO 2852, pipe dimensions per ISO 2037 or BS 4825 part 1, DN 38                              |
|                                                             | II140             | Clamp ISO 2852, pipe dimensions per ISO 2037 or BS 4825 part 1, DN 40                              |
|                                                             | II151             | Clamp ISO 2852, pipe dimensions per ISO 2037 or BS 4825 part 1, DN 51                              |
|                                                             | A2140             | Screw connection DIN 11851, Pipe dimensions per DIN 11850 row 2, grooved union nut DN 40           |
|                                                             | A2150             | Screw connection DIN 11851, Pipe dimensions per DIN 11850 row 2, grooved union nut DN 50           |
| VARIF                                                       | Varivent ® Form F |                                                                                                    |
| VARIN                                                       | Varivent ® Form N |                                                                                                    |
| <b>Surface quality wetted parts (welding seam excluded)</b> |                   |                                                                                                    |
| ④                                                           | G                 | Ra ≤ 0.38 µm                                                                                       |
|                                                             | H                 | Ra ≤ 0.38 µm, electropolished                                                                      |
| <b>Special design features</b>                              |                   |                                                                                                    |
| ⑤                                                           | Z                 | without                                                                                            |
|                                                             | L                 | autoclaved and packed under sterile conditions                                                     |

Order code: PG43SA-C.  ① -  ② Z-  ③ -I  ④ CB-3CZZ-  ⑤ ZBZ