

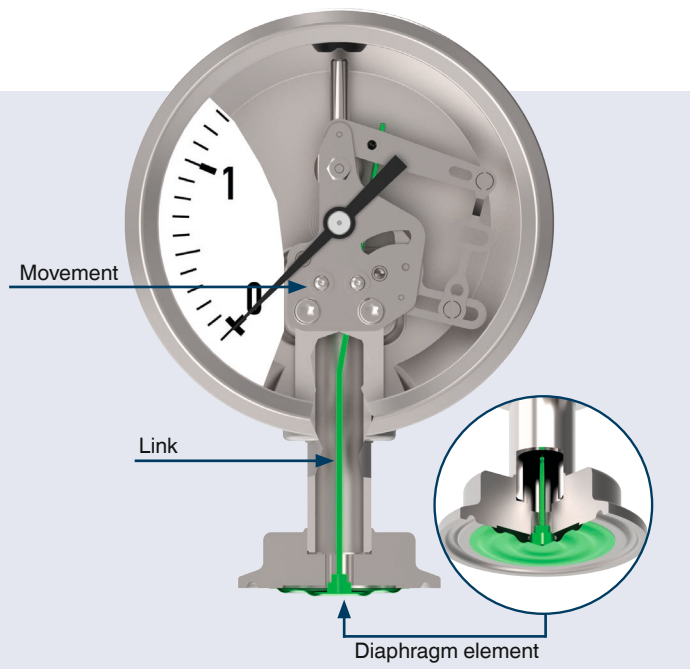
- Mechanical pressure display on pipelines, fermenters, bioreactors and vessels
- Pressure/vacuum monitoring during cleaning, sterilisation, pressure testing
- For gases, compressed air, vapour; liquid, pasty, powdery and crystallising media

For

- Pharmaceutical industry
- Biotechnology
- Food and beverage production



Measuring principle of mechanical diaphragm pressure gauges



Sanitary applications

www.wika.de > Industries > Pharmaceuticals & biotechnology



YouTube



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Pressure displays in hygienic design



Smart in sensing

Safe pressure measurement

Reduction of contamination risks

High-quality mechanics

- “Dry measuring cell”
- Purely mechanical measuring principle



Your benefit:

No contamination with transmission fluid

Robust and high overpressure safety

- Proven diaphragm element measurement technology
- Overpressure safety up to 5 times the nominal pressure
- Durable hardened diaphragm element material

Your benefit:

The danger of damage to the flush diaphragm element is clearly reduced

Easily cleanable

- Hygienic design
- Suitable for CIP and SIP
- For wash-down areas



Your benefit:

Easy and quick cleaning

Autoclavability

- Fully autoclavable
- Sterilisable with saturated steam



Your benefit:

Time saving, since the measuring instruments can be fitted just before the sterilisation

Diaphragm pressure gauges for the manufacture and transport of high-quality media

Flush diaphragm pressure gauge

- Easy-to-read, large display
- For high tanks and horizontal pipelines



Compact flush diaphragm pressure gauge

- Compact, patented design
- For small transport vessels and vertical pipelines



Pressure gauge with integrated diaphragm monitoring

- For the highest safety
- Continuous diaphragm monitoring
- Second barrier for the hermetic separation between process and atmosphere

Status display



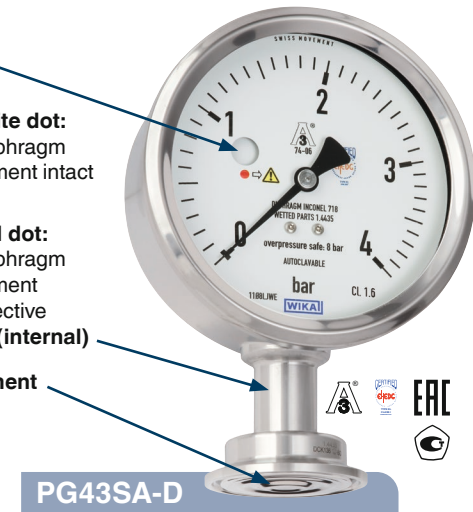
White dot:
Diaphragm element intact



Red dot:
Diaphragm element defective

Second barrier (internal)

Diaphragm element



Patent applied for in various countries, e.g. DE 102016005568, US 2016349128A1, CN 106197792

Your benefit:

- No undetected diaphragm rupture
- No escape of bioactive substances into the atmosphere
- No contamination of the process medium through ambient particles