

- 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

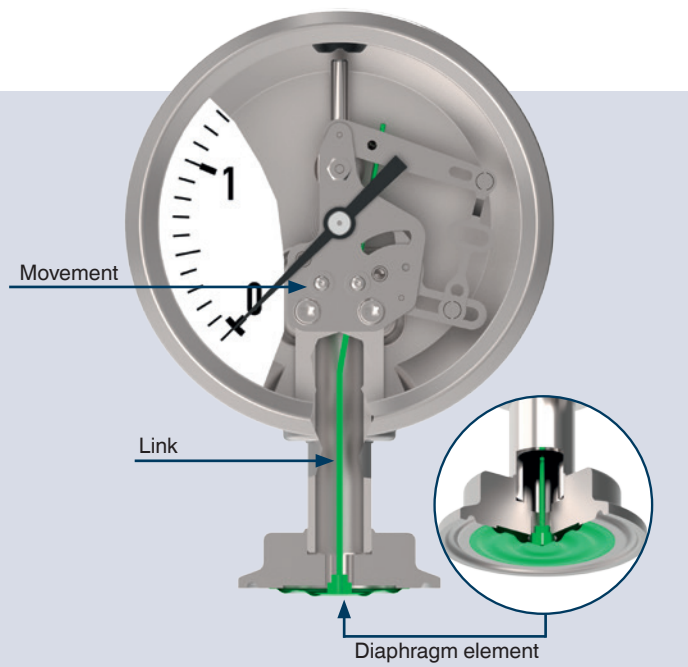
For

- Pharmaceutical industry
- Biotechnology
- Food and beverage production



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## Measuring principle of mechanical diaphragm pressure gauges



[www.wika.de](http://www.wika.de) > Industries > Pharmaceuticals & biotechnology

**WIK A Alexander Wiegand SE & Co. KG**  
Alexander-Wiegand-Straße 30  
63911 Klingenberg · Germany  
Tel. +49 9372 132-0 · Fax +49 9372 132-406  
info@wika.com · www.wika.de

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## Safe and reliable: Pressure displays in hygienic design



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Part of your business

# 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

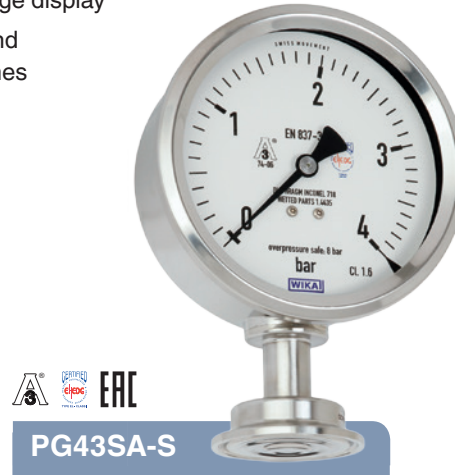


**Your benefit:**  
Time saving, since the measuring instruments can be fitted just before the sterilisation

# 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



PG43SA-S



## Compact flush diaphragm pressure gauge

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



PG43SA-C



Patent applied for in various countries, e.g. DE 102008042455

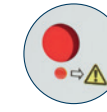
## Pressure gauge with integrated diaphragm monitoring

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

### Status display



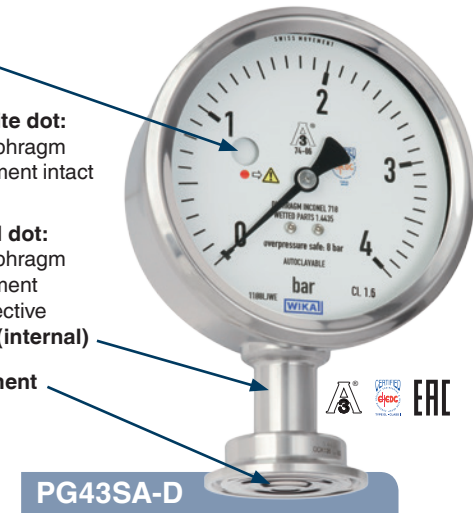
**White dot:**  
Diaphragm element intact



**Red dot:**  
Diaphragm element defective

### Second barrier (internal)

### Diaphragm element



PG43SA-D

Patent applied for in various countries, e.g. DE 102015006524

### Your benefit:

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