

Application

VibEx Gauges are pressure gauges specially optimised for use under harsh mechanical conditions. Their design makes these pressure gauges resistant to vibration, pulsation and pressure shocks of the medium. The construction type also provides good damping of the measuring system without any additional case filling. This makes these instruments ideal for applications where leakage of the case filling must be avoided at all costs.

Typical fields of application are food and pharmaceutical industries as well as general mechanical engineering with compressors and mobile units.

The VibEx Gauge is recommended wherever operating conditions exceed the requirements of the basic standard.



Features

- Vibration resistant
- Shockproof
- Pulsation resistant
- Overload resistant: option (NCS 100 / 160 (4 / 6") according to T01-000-028 for nominal pressure up to PN 400 bar)
- Earthquake resistant
- Pressure ranges
 - NCS 63 (2 1/2") up to 1000 bar / 20000 psi
 - NCS 100 / 160 (4 / 6") up to 2500 bar / 35000 psi

Options

- Oxygen version, free of grease and oil
- Wetted parts Monel (only available with screwed case configuration)
- Case material stainless steel 316L (1.4404)
- High-contrast, reflective dial Bright Dial
- Luminescent dial Lumen Gauge
- Additional case filling glycerin
- Additional case filling silicone oil (at $T_{min} < -20\text{ °C}$ ($< -4\text{ °F}$))

Technical Data

- Models RCh and RChg: welded construction type (connecting piece welded with case)
- Silicone-damped movement
- Break- and shatterproof glass (SAFETY GLASS)
- Wetted parts stainless steel 316L (1.4404)
- Additional case filling available
- Restrictor screw $\varnothing 0.3 / 0.6\text{ mm}$ (0.01 / 0.02") in the pressure inlet port
- Temperature range down to $T_{min} -40\text{ °C}$ (-40 °F)
- Dimensional data, weights and degree of protection according to the data sheet of the basic device
- Available mounting options Rh, Fr and BFr according to the data sheet of the basic device

Fields of Application

- Compressed air generation
- High-pressure pumps
- Road construction
- Moving and pulsation-loaded units
- Vibratory plates
- Homogenizers
- Injection pumps
- Fuel injection systems

Available Products

Data sheet 1211	RCh 63 – 3v, RCh 63 – 3vr, RCh 63 – 3vrm
Data sheet 1210	RCha 63 – 3, RCha 63 – 3r, RCha 63 – 3rm
Data sheet 1212	RChg 63 – 3v, RChg 63 – 3vr, RChg 63 – 3vrm
Data sheet 1201	RCh 100 – 3v, RCh 100 – 3vr
Data sheet 1200	RCha 100 – 3, RCha 100 – 3r
Data sheet 1202	RChg 100 – 3v, RChg 100 – 3vr
Data sheet 1201	RCh 160 – 3v, RCh 160 – 3vr
Data sheet 1200	RCha 160 – 3, RCha 160 – 3r
Data sheet 1202	RChg 160 – 3v, RChg 160 – 3vr