Mechanical Pressure Measurement

VibEx Gauge

VibEx Gauges are pressure gauges specially optimised for use under harsh mechanical conditions. Their design makes these pressure measuring instruments 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
- Earthquake resistant
- Pressure ranges
  NCS 2½" up to 20000 psi
  NCS 4 / 4½ / 6" up to 35000 psi
  20000 psi and above with high-pressure connection

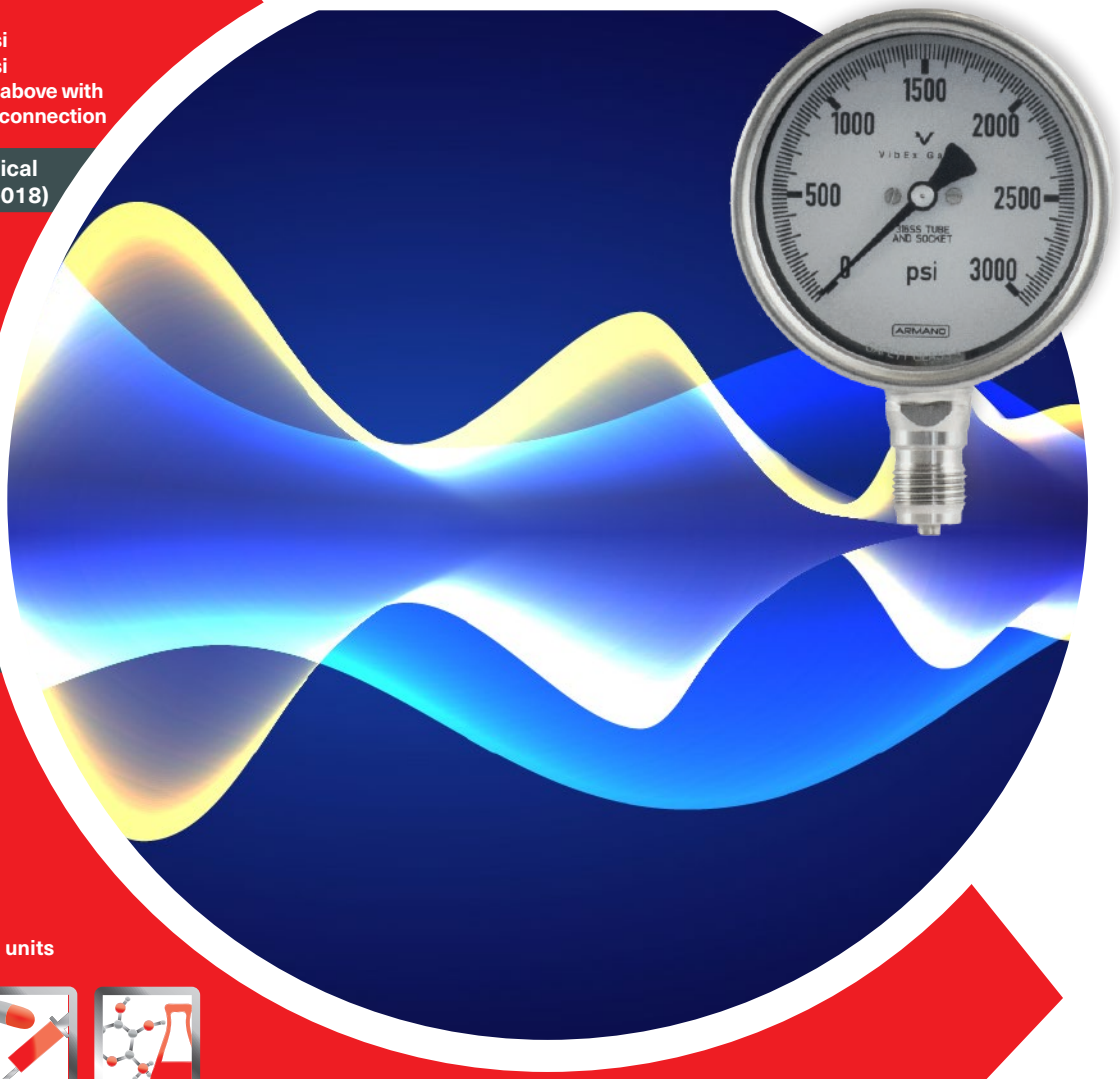
Technical Data (see technical information sheet T00-000-018)

- Silicone-damped movement
- Break- and shatterproof glass (SAFETY GLASS)
- Wetted parts stainless steel 316L
- Restrictor screw Ø 0.01 / 0.02" in the pressure inlet port
- Optional: welded construction type (connecting piece welded with case)
- Safety case

Application Fields

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

vibration-reduced – shockproof – pulsation resistant



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