

Pointer Dampening with MANODAMP® Movements

Rough industrial work environments with vibrations, sudden pressure changes or high purity demands require a special protection mechanism for the gauge movement with a needle pointer.

The standard solution of filling gauges with glycerine oil achieves a damping effect but requires regular refilling maintenance. Oil leakage due to a mechanical gauge damage can cause potential contamination of the process media. In addition, hot and humid climatic conditions can lead to a blurry display glass window.

The first pressure gauge movements with built-in axle damping were installed in 1974, which resulted in today's version with double axle damping.

This is manufactured by Schmierer in large quantities, also known under the Schmierer brand name MANODAMP®.

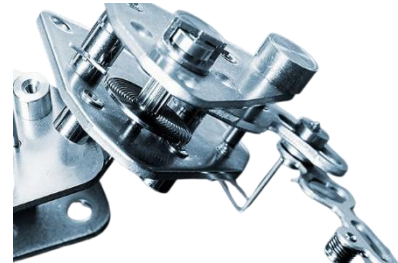
The MANODAMP Damping Torque Technology offers better readability and protection in case of vibrations, and a longer service life of the mechanism and the entire device.



The major advantages of MANODAMP® versus the “oil filled” pressure gauges

MANODAMP® Gauges have significant advantages to the “classical” liquid-filled gauges:

- ✓ No oil leakage - No contamination risk of process media
- ✓ No blurry gauge glass window in hot and humid climates
- ✓ No oil refilling maintenance
- ✓ Easy maintenance for pointer zero re-adjustment or change of movement
- ✓ Longer service life of gauges in rough environments
- ✓ Modern up to date construction fulfils the technical and hygienic requirements of chemical, petrochemical, food and pharmaceutical sector
- ✓ Experience with successful long service life in customer plants



We can deliver pointer dampening with MANODAMP® movements in Schmierer Bourdon Tube and Diaphragm pressure gauges with 100 mm or 160 mm diameter with a pressure above 2.5 bar.

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