

Pressure Gauge Installation & Maintenance Guide

Mounting · sealing · snubbers · calibration — by MANOGAUGE

Before Installation

- Confirm **range** (working pressure $\approx 2/3$ of scale), **connection** (thread & size) and **media compatibility**.
- Check the pointer rests at **zero** and the gauge is undamaged.

Installation Steps

1. **Tighten on the spanner flats** of the socket — never turn the case.
2. Tapered threads (NPT/BSPT): apply **PTFE tape/sealant**. Parallel threads (G/M): use the **bonded washer/O-ring**.
3. Do **not overtighten**; mount the gauge **upright** (dial vertical) for accuracy.
4. Use a **snubber/restrictor** for pulsation and a **siphon** for steam/hot media.
5. For vibration/heat, use a **liquid-filled** gauge or a **diaphragm seal with capillary**.
6. Liquid-filled gauges: **open the vent plug** after installation.

Maintenance

Task	Interval / Note
Visual & zero check	Regularly; recalibrate if off-zero
Recalibration	Per plant schedule / criticality
Inspect window, seal, fill level	Replace if fogged, cracked or leaking
Overpressure / damage	Replace bent-pointer or over-ranged gauges

Safety: always **depressurize** the line before removing a gauge. Need snubbers, siphons or seals? www.manogauge.com.

About MANOGAUGE

MANOGAUGE (Zhejiang Xinzhongxin Instrument Technology Co., Ltd.) — a National High-Tech pressure gauge manufacturer in China: stainless steel, liquid-filled, digital, diaphragm, tire, medical and explosion-proof gauges, with CE/PED/ATEX/FDA and OEM/ODM service. More & quotes: www.manogauge.com | sales@manogauge.com. Free to share or cite — please keep the source link to www.manogauge.com.