

PRESSURE GAUGE - HOW TO INSTALL A PRESSURE GAUGE?

1) Choose the correct location for the gauge:

- Consider ambient temperature (avoid extremes of temperature), or proximity to 'hot spots' e.g ovens, boilers etc
- Check vibration risk, and try to locate away from extreme levels of vibration as much as possible
- Visibility – ensure the gauge is clearly visible to the operative
- If the gauge has a blow out disc, make sure there is at least 20mm of free space behind the gauge in order not to obstruct the disc should it rupture under pressure.

2) Pressure gauges typically come with a threaded mount that you either put into a pipe fitting or into a manifold. A gauge which has threads in the vertical position is typically fitted to the top of a filter housing or some type of plumbing pipework configuration. Other gauges where the threads are positioned horizontally, from the centre or lower back of the dial, are usually mounted on to a panel (some bottom entry gauges can also be panel fitted).

3) For gauges that are to be mounted onto an instrument panel, a flange will usually be required:

- a. a back flange would be necessary for a bottom entry pressure gauge
- b. a front flange would be required for a back entry placement.

4) Once you are ready to install the gauge, ensure that you have the correct equipment. Using a wrench, tighten the gauge into position using the spanner flats. Ensure the dial is in the 12 o'clock position. Do not attempt to twist the gauge using the case – this can damage the gauge and cause it to break.

5) It is important to check what type of connection thread the gauge has. Some threads, such as tapered or NPT threads, may require additional sealant material such as PTFE tape, to ensure a leak tight seal. Others, such as parallel threads, may need only rings or washers.

6) It may be necessary to vent the gauge once it is installed, particularly if it is liquid filled. This is because internal pressure can build up, often during transportation or storage, especially if the gauge has been subject to fluctuating temperatures. Open up the valve at the top of the case to allow any excess pressure to escape, then re-seal. The pressure inside the gauge will then be equal to atmospheric pressure.

To order any of our pressure gauges available on our website, simply email sales@brannan.co.uk.

