

Equipment Requirements

Calibration standards

A. They must be at least 4 times more accurate at the pressure being tested than the test kit.

1. $\frac{0.2}{4} = 0.05$ minimum permissible error of calibration standard

2. MINIMUM ACCEPTABLE

$\pm .25\%$ (1/4%) 0-15 PSIG = ± 0.0375 (ASME B40.1 GRADE 3A)

3. MINIMUM RECOMMENDED

$\pm 0.1\%$ 0-15 PSIG = ± 0.015 (ASME B40.1 GRADE 4A)

13 times more accurate

4. Mid-West® Instrument standards are $\pm 0.066\%$ 0-15 PSIG ± 0.0099

20 times more accurate

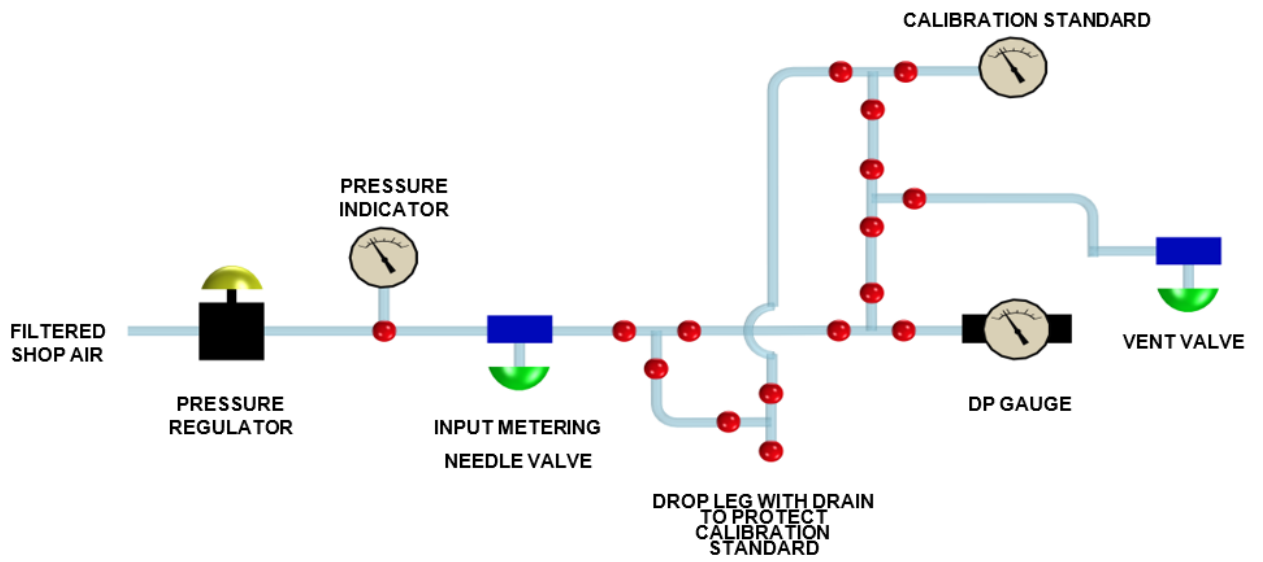
5. Calibration standards must have N.I.S.T. traceability and be calibrated at least annually.

B. Recommended test bench schematic on the following sheet.

Test Pressure

A. Minimum required test pressure – 100 PSIG

B. Recommended test pressure – 200 PSIG



TEST BENCH SCHEMATIC