

1 RCNY §20-03

CHAPTER 20 PIPING SYSTEMS

§ 20-03 Standards for Non-Mercury Gauges.

(a) *Applicability.* In accordance with Local Law 17 for the year 2001, the rules in this section establish minimum standards for non-mercury gauges to test gas piping, drainage and vent systems.

(b) *Minimum Requirements.* Each gauge shall meet the following requirements:

- (1) The gauge shall be manufactured and used in accordance with the ASME B40.100-1998 Standard or Pressure Gauges and Gauge Attachments, which incorporates ASME B40.1-1998 and ASME B40.7-1998, and the manufacturer shall provide with the gauge a written statement that the gauge is manufactured in accordance with such ASME standard,
- (2) The gauge shall be labeled with the name of the manufacturer,
- (3) The gauge shall be kept in a padded separate rigid box and the manufacturer's instructions for use and protection of the gauge shall be complied with,
- (4) The units of measurement "psi" shall appear on the face of the gauge, and
- (5) The gauge shall be kept in good working order.

(c) *Analog Gauges Used to Measure Pressure in the Magnitude of 3 psig.* Each analog gauge used to measure pressure in the magnitude of 3 psig shall meet the following requirements in addition to satisfying the minimum requirements set forth in subdivision (b):

- (1) The face of the gauge shall not be smaller than 2¼ inches in diameter,
- (2) The gauge shall have a minimum of 270-degree dial arc,
- (3) The gauge shall be calibrated in increments of not greater than one-tenth of a pound,
- (4) The range of the gauge shall not exceed 5 psig when a 2¼ inch diameter gauge is used,
- (5) The 1/10th psig interval on the gauge shall not be smaller than 1/10th of an inch of arc,
- (6) The gauge shall be provided with an effective stop for the indicating pointer at the zero point,
- (7) The gauge shall be protected from excessive pressure with a shut off valve and prior to using the 5-psig gauge the snifter valve shall be tested with a tire gauge to determine the magnitude of pressure, and
- (8) The gauge shall have a calibration screw.

(d) *Analog Gauges Used to Measure Pressure in the Magnitude of 5 psig.* Each analog gauge used to measure pressure in the magnitude of 5 psig shall meet the following requirements in addition to satisfying the minimum requirements set forth in subdivision (b):

- (1) The face of the gauge shall not be smaller than 2¼ inches in diameter,
- (2) The gauge shall have a minimum of 270-degree dial arc,
- (3) The gauge shall be calibrated in increments not greater than one-fifth of a pound,
- (4) The range of the gauge shall not exceed 10 psig when a 2¼ inch diameter gauge is used,
- (5) The 1/5th psig interval on the gauge shall not be smaller than 1/10th of an inch of arc,
- (6) The gauge shall be provided with an effective stop for the indicating pointer at the zero point,
- (7) The gauge shall be protected from excessive pressure with a shut off valve and prior to using the 10-psig gauge the snifter valve shall be tested with a tire gauge to determine the magnitude of pressure, and
- (8) The gauge shall have a calibration screw.

(e) *Digital Gauges Used to Measure Pressure in the Magnitude of 3 psig and Higher.* Each digital gauge used to measure pressure in the magnitude of 3 psig and higher shall meet the following requirements in addition to satisfying the minimum requirements set forth in subdivision (b):

- (1) The gauge shall have a minimum reading of 1/100th of a psig, and
- (2) An extra charged battery shall be readily available for immediate use with the gauge.