

**PART 1 GENERAL**

**1.1 Section Includes**

- .1 Materials and installation for thermometers and pressure gauges in piping systems.

**1.2 References**

- .1 American Society of Mechanical Engineers (ASME).
  - .1 ASME B40.100-01, Pressure Gauges and Gauge Attachments.
  - .2 ASME B40.200-01, Thermometers, Direct Reading and Remote Reading.

**1.3 Submittals**

- .1 Submit shop drawings and product data.
- .2 Submit manufacturer's product data for following items:
  - .1 Thermometers.
  - .2 Pressure gauges.
  - .3 Stop cocks.

**PART 2 PRODUCTS**

**2.1 General**

- .1 Design point to be at mid point of scale or range.
- .2 Ranges: as indicated.

**2.2 Direct Reading Thermometers**

- .1 Industrial, variable angle type, liquid filled, 125 mm scale length: to CAN/CGSB14.4 ASME B40.200.

**2.3 Pressure Gauges**

- .1 112 mm, dial type: to ASME B40.100, Grade 2A, phosphor bronze bourdon tube having 0.5% accuracy full scale unless otherwise specified.
- .2 Provide:
  - .1 Bronze stop cock.

**PART 3 EXECUTION**

**3.1 General**

- .1 Install so they can be easily read from floor or platform. If this cannot be accomplished, install remote reading units.
- .2 Install between equipment and first fitting or valve.

**3.2 Pressure Gauges**

- .1 Install in following locations:
  - .1 Discharge of compressors and air dryer package.
  - .2 Upstream and downstream of control valves.
  - .3 In other locations as indicated.

**3.3 Thermometers**

- .1 Install downstream of air purification equipment.

**END OF SECTION**