

**1 GENERAL**

**1.1 REFERENCES**

- .1 American Society of Mechanical Engineers (ASME)
  - .1 ASME-04 2010, Boiler and Pressure Vessel Code.
- .2 ASTM International Inc.
  - .1 ASTM B 62-09, Standard Specification for Composition Bronze or Ounce Metal Castings.
- .3 Canadian Standards Association (CSA International)
  - .1 CSA B51-2009, Boiler, Pressure Vessel, and Pressure Piping Code.

**1.2 ACTION AND INFORMATIONAL SUBMITTALS**

- .1 Provide submittals in accordance with Section 01 00 10 – General Instructions.
- .2 Product Data:
  - .1 Provide manufacturer's printed product literature and datasheets for, air vents and strainers, and include product characteristics, performance criteria, physical size, finish and limitations.

**1.3 CLOSEOUT SUBMITTALS**

- .1 Submit maintenance and operation data in accordance with Section 01 00 10 – General Instructions.

**2 PRODUCTS**

**2.1 AUTOMATIC AIR VENT**

- .1 Standard float vent: brass body and NPS 1/8 connection and rated at 860 kPa working pressure.

**2.2 PIPE LINE STRAINER**

- .1 NPS 1/2 to 2: bronze body to ASTM B 62, solder end connections, Y pattern.
- .2 Screen: stainless steel with 1.19mm perforations.
- .3 Working pressure: 860 kPa.

**3 EXECUTION**

**3.1 APPLICATION**

- .1 Manufacturer's Instructions: comply with manufacturer's written recommendations, including product technical bulletins, handling, storage and installation instructions, and datasheets.

**3.2 GENERAL**

- .1 Run drain lines to terminate above nearest floor drain.
- .2 Maintain adequate clearance to permit service and maintenance.
- .3 Should deviations beyond allowable clearances arise, request and follow Departmental Representative's directive.

**3.3 STRAINERS**

- .1 Install in horizontal or down flow lines.
- .2 Ensure clearance for removal of basket.
- .3 Install ahead of each automatic control valve and as indicated.

**3.4 AIR VENTS**

- .1 Install at high points of systems.
- .2 Install ball valve on automatic air vent inlet. Run discharge to nearest floor drain.

**3.5 CLEANING**

- .1 Clean in accordance with Section 01 00 10 – General Instructions.