

1. **General Information**

1.1 **Related requirements**

- .1 20 00 01 – Scope of work.
- .2 21 05 01 - General requirements for work results.

1.2 **References**

- .1 American Society of Mechanical Engineers (ASME)
 - .1 ASME-04, Boiler and Pressure Vessel Code.
- .2 ASTM International Inc.
 - .1 ASTM A 47/A 47M-99, Standard Specification for Ferritic Malleable Iron Castings.
 - .2 ASTM A 278/A 278M-01, Standard Specification for Gray Iron Castings for Pressure-Containing Parts for Temperatures up to 650 degrees F (350 degrees C).
 - .3 ASTM A 516/A 516M-06, Standard Specification for Pressure Vessel Plates, Carbon Steel, for Moderate - and Lower - Temperature Service.
 - .4 ASTM A 536-84, Standard Specification for Ductile Iron Castings.
 - .5 ASTM B 62-02, Standard Specification for Composition Bronze or Ounce Metal Castings.
- .3 Canadian Standards Association (CSA)/CSA International
 - .1 CSA B51-03, Boiler, Pressure Vessel, and Pressure Piping Code
 - .2 CSA B51-03, Boiler, Pressure Vessel, and Pressure Piping Code, Includes Update No. 1

2. **Products**

2.1 **Automatic air vent**

- .1 Air vent (float), standard type: brass body and connection of nominal diameter DN 1/8, designed for a nominal working pressure of 310 620 690 kPa.
- .2 Air vent (float), industrial type: cast iron body and connection of nominal diameter

DN 1/2, designed for a nominal working pressure of 860 kPa.

- .3 Float: Made from solid material, designed for a service temperature of 115 degrees Celsius.

3. Execution

3.1 Application

- .1 Manufacturer's instructions: Comply with manufacturer's written requirements, including any available technical bulletins, instructions for handling, storing, and commissioning products, and data sheet instructions.

3.2 General information

- .1 Route the drain lines and discharge hoses connected to the bleed fittings to the nearest drain.
- .2 Provide sufficient clearance to allow access to accessories for repair and maintenance.
- .3 If the planned clearances cannot be met, consult the ministerial representative and comply with their instructions.
- .4 Ensure that all holes used to connect the accessories and devices and that the mass of the equipment in working condition are in accordance with the shop drawings.

3.3 Air vent valve

- .1 Install air vent valves at the high points of the network.
- .2 Install a gate valve on the intake line of the automatic air vents. Route the drain hose to the drip tray or to the nearest service sink.

END OF SECTION