



YARWAY SERIES AV-5 AIR VENT

INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS

Before installation these instructions must be fully read and understood

SPECIFICATIONS

Pressure-Temperature Rating:
 Shell; ASME Class 600 (PN 100) B16.34.
 Operating Pressure max.; 600 psig (41 bar).
 Operating Temperature max.; 650F (343C).
 Test Pressure max.; 800 psig (55 bar)

Nominal Venting Capacity:
 1.25 Actual cu ft/min. (0.6 Lit/sec) venting to atmosphere based on a minimum pressure of 15 psig.

Failure Position:
 Vent fails open upon bellows failure.

End Connections:
 In-line 1/2", 3/4" NPT (DN 15, 20) per ASME B1.20.1.

Installation Position:
 Vertical with discharge down.

Special Features:
 Integral Screen.

NOTE

All pressures are gauge

APPLICATION

Series AV-5 vent has been designed to remove air and non-condensables from steam lines.

OPERATION

The vent operates by means of a thermostatic bellows which opens and closes an interval valve in response to temperature changes. Steam is prevented from discharging through the vent, and only subcooled non-condensables are discharged.

MAINTENANCE

AV-5 vent is permanently assembled; no maintenance other than flushing or removing material from the screen is recommended.

WARNING

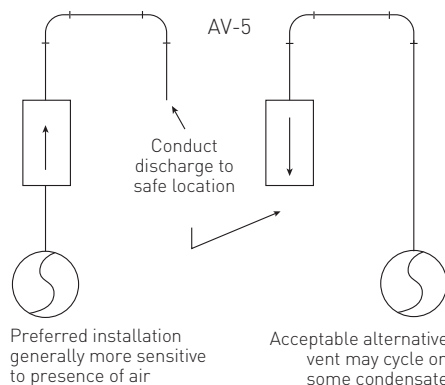
Hot discharge from this product may cause severe burns. Discharge must be piped away or directed so that persons in the vicinity are not endangered. This product must be isolated, vented and cool to the touch before repairing or inspecting.

TROUBLESHOOTING

AV-5 vent is permanently assembled; no maintenance other than flushing or removing material from the screen is recommended.

Air vent to pass subcooled gases:
 a. Check integral strainer for clogging.
 Rush or remove material clogging strainer

Air vent blows live steam:
 a. Dirt on valve seating area.
 b. Worn valve seat. Replace the air vent.
 c. Failed bellows. Replace the air vent.



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NOTE

Any malfunction of this product must be reported to the service department. Repair made to the product by unauthorized personnel will void the warranty.

RIGHT TO KNOW LAWS AND OSHA STANDARD 29CFR (1910.1200)

Material Safety Data Sheets on the following Yarway products:
Valves, Steam Traps and Strainers

The OSHA Hazard Communication Standard 29CFR 1910.1200, states that the standard does not apply to "articles." The standard defines an article as:

"A manufactured item formed to a specific shape or design for a particular use which does not release or otherwise expose an employee to a hazardous chemical under normal conditions of use."

The above named products fall within the definition of an "article", no Material Safety Data Sheets are available or are required. Our product is manufactured as an "end product."

If the product is a weld end the following applies:

WARNING

Materials used in manufacture of Yarway products are considered in a stable condition when shipped. However, under certain conditions purchasers could create potential hazardous conditions by their future operations.

CAUTION

Welding, cutting, burning, machining or grinding of this product can generate toxic dust and fumes of potentially hazardous ingredients. The dust or fumes can cause irritation of the respiratory tract, nose, throat, skin and eyes. It may cause temporary or permanent respiratory disease in a small percentage of exposed individuals. Use moderate ventilation when grinding or welding. Avoid breathing dust, fumes or mist. Avoid prolonged skin contact with dust or mist. Maintain dust levels below OSHA and ACGIH levels. Use protective devices. Wash hands thoroughly after contact with dust before eating or smoking.

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