



AVH Atmospheric Exhaust Vent Heads

PRODUCT DESCRIPTION

Thermaflo AVH Vent Exhaust Heads are designed to be installed in vertical atmospheric steam and flash steam vent pipes eliminating carry over of entrained condensate and moisture. The AVH incorporates the Thermaflo "Separator Plate" that separates water and condensate droplets from the vented steam, discharging the vapor to atmosphere and the liquid to the drain outlet. This unique internal design allows dry steam and flash steam at low velocity to be discharged safely to atmosphere. Welded stainless steel construction ensures long life for the user.

TYPICAL APPLICATIONS

AVH Vent Heads are ideal for blowdown vessels, flash tanks, condensate receivers, boiler feed water tanks, and deaerator vents.

The AVH Vent heads are not recommended for use on safety valve discharge outlets or high pressure venting applications such as boiler exhaust and high pressure steam line venting. See PVH Type Vent Head for those applications.

MATERIALS OF CONSTRUCTION

AVH Vent Heads are constructed of 300 Series Stainless Steel including the inlet lap joint flange. The lap joint flange permits 360 degree rotation for ease of installation.

INSTALLATION

The AVH should be installed in a location where it can be periodically inspected at a high point of discharge. The inlet lap joint flange does permit the AVH to be rotated for easy orientation. The drain should always be piped to full size outlet in a safe position and should be unobstructed.

Dimensions			Inches		
Model	Inlet Size	Drain Size	A	B	Weight
AVH-2	2" 150lb	3/4" NPT	18"	8"	6.9 lbs
AVH-3	3" 150lb	1" NPT	20"	8"	9.0 lbs
AVH-4	4" 150lb	1" NPT	20"	8"	13.0 lbs
AVH-6	6" 150lb	1" NPT	22"	10"	20.5 lbs
AVH-8	8" 150lb	1.5" NPT	26"	16"	46.0 lbs
AVH-10	10" 150lb	1.5" NPT	30"	20"	69.0 lbs
AVH-12	12" 150lb	2" NPT	34"	24"	90.0 lbs
AVH-14	14" 150lb	2" NPT	36"	30"	142.0 lbs

"How the AVH Works"

Vented steam enters the AVH at the lower inlet connection and is directed upward into the face of the "Stainless Steel Impingement Baffle Plate". The baffle plate separates the liquid from the vapor with velocity change and impact. The dry steam vapor vents to the upper outlet and the liquid condensate falls down to the lower drain connection.

