

AVH Atmospheric Exhaust Vent Head

Product Description:

Thermaflo AVH Vent Exhaust Heads are designed to be installed in vertical atmospheric steam and flash steam vent pipes eliminating condensate and liquid entrained in the vented flow. The AVH is constructed of 316 stainless steel and incorporates the "Stainless Steel Separator" head that separates water and condensate droplets from the vented steam, discharging the vapor to atmosphere. Condensate is drained at the lower D connection to a vented tank below capturing the energy normally wasted. This rugged internal design allows dry steam to be vented safely to atmosphere. Welded 316 stainless steel full construction ensures a 50 year rust free design for the end user.

Typical Applications:

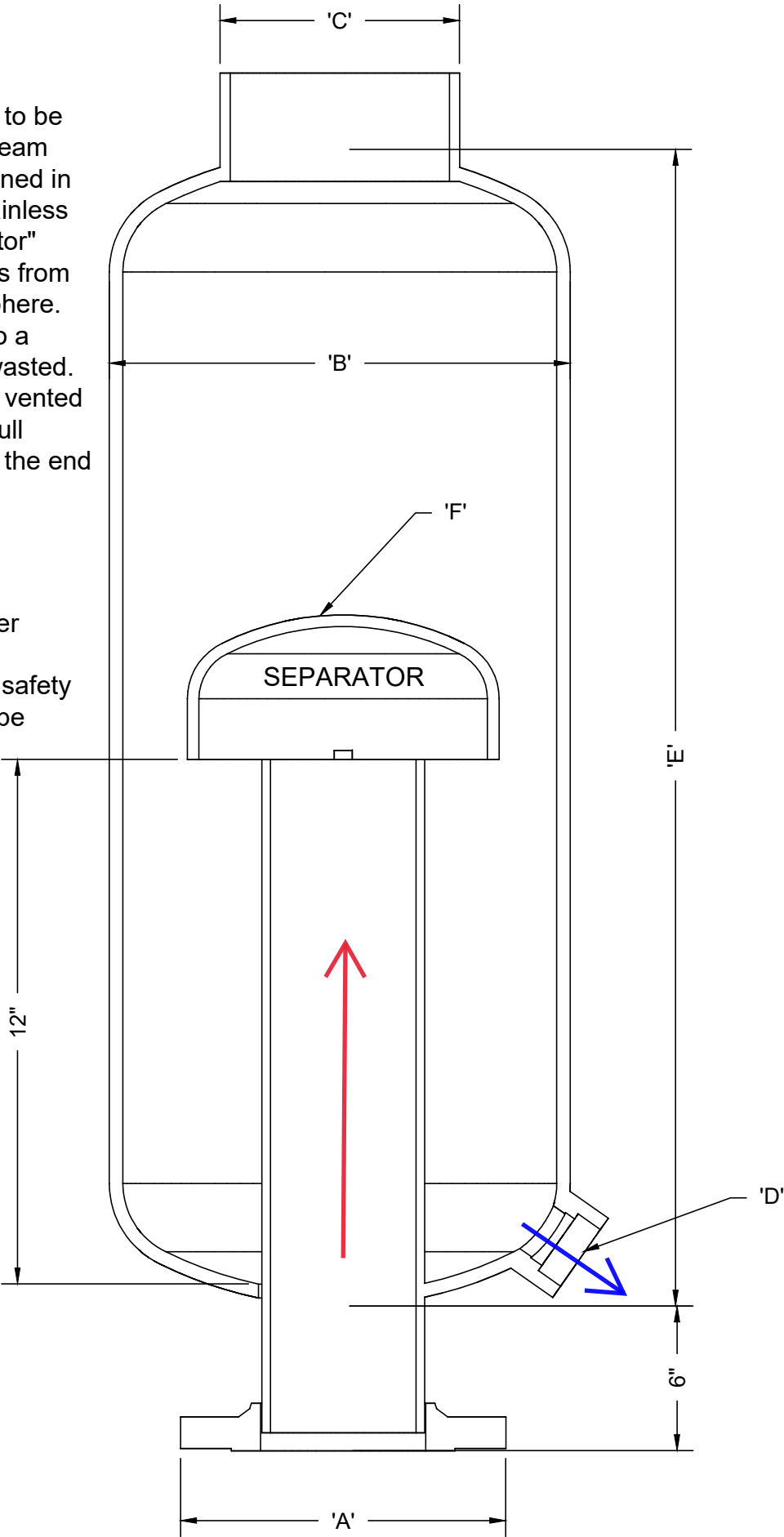
AVH Vent Heads are typically used for blow down separators, flash tanks, condensate receivers, boiler feed tanks, surge tanks and deaerator vents, AVH Vent heads are not recommended for use on safety valve discharge outlets or high pressure venting type applications,

Materials of Construction

AVH Vent heads are constructed of 316L type stainless steel which remains rust free and stands up for years of venting without an unsightly external appearance compared to cast iron and or carbon steel type products which rust quickly.

Installation

The AHV should be installed in a location where it can be periodically inspected at a high point of discharge. Pipe the drain full size to an outlet in a safe location where the condensate can be collected and return. The high point location should provide ample head pressure to drain back into the tank that its venting from. Consult Thermaflo if you are unsure of this recovery piping.



DESIGN DATA:

ATMOSPHERIC NON-CODE

MATERIALS of CONSTRUCTION

SHELL316 STAINLESS STEEL

SIZE	CONNECTION (Inch)					
	A	B	C	D	E	F
2"	2" 150#	10"	4"	1"	24"	3"
2.5"	2.5" 150#	10"	4"	1"	24"	4"
3"	3" 150#	10"	6"	1.5"	24"	4"
4"	4" 150#	10"	6"	1.5"	24"	6"
6"	6" 150#	14"	8"	1.5"	24"	10"
8"	8" 150#	14"	8"	1.5"	30"	10"
10"	10" 150#	16"	10"	1.5"	30"	12"
12"	12" 150#	20"	12"	2"	36"	14"
14"	14" 150#	20"	14"	2"	36"	16"

RATED CAPACITY LBS/HR VENTED STEAM

SIZE	A
2"	645 LBS/HR
2.5"	920 LBS/HR
3"	1420 LBS/HR
4"	2450 LBS/HR
6"	5540 LBS/HR
8"	8610 LBS/HR
10"	11,900 LBS/HR
12"	15,100 LBS/HR
14"	21,000 LBS/HR

NOTES:

1. VENT INLET PRESSURE SHOULD NOT EXCEED 10 PSIG

2. VENT HEAD IS NOT DESIGNED FOR A HIGH LIQUID CONTENT

#	DATE	REVISION	BY
DWG. STATUS: TFEI DESIGN DEVELOPMENT <input checked="" type="checkbox"/> ISSUED, FOR APPROVAL <input type="checkbox"/> ISSUED, FOR CONSTRUCTION <input type="checkbox"/>			

THERMAFLO

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DESCRIPTION: AVH STAINLESS VENT HEAD

CUSTOMER: TECH INFORMATION SHEET		JOB #	QTY. 1	DATE: 11-12-15
SCALE:	DRAWN: RSP	PO #	PLAN #	FILE: SAME
		REV. #	PAGE: 1 OF 1	