



BODY CONSTRUCTION: VSS-S 316 Stainless
CARBON STEEL, ASME CODE STAMPED (STANDARD)
STAINLESS STEEL, ASME CODE STAMPED (OPTIONAL)

DESCRIPTION:

THE HSS STEAM SEPARATORS ARE USED IN STEAM SUPPLY LINES TO REMOVE CONDENSATE, CARRYOVER AND ENTRAINED MOISTURE ENHANCING HEAT TRANSFER AND ELIMINATING WIRE DRAWING OF CONTROL VALVE SEATS WHILE PRODUCING DRY QUALITY STEAM.

CONDITIONS OF SERVICE:

MAX OPERATING PRESSURE: 150 PSIG
MAX OPERATING TEMPERATURE: 400°F

MAXIMUM FLOW RATE CAPACITY FOR HIGHEST EFFICIENCY IN LBS/HR

INLET PRESSURE	1/2"/3/4"/1"	1-1/4"	1-1/2"	2"
15 PSIG	220	451	528	870
30 PSIG	264	532	596	1,265
50 PSIG	308	792	891	1,533
75 PSIG	385	1,034	1,287	1,658
100 PSIG	429	1,297	1,549	2,713
125 PSIG	495	1,486	1,859	3,275
150 PSIG	624	1,748	2,057	3,740

DIMENSION CHART

	1"	1-1/4"	1-1/2"	2"
"A"	NPT	NPT	NPT	NPT
"B"	NPT	NPT	NPT	NPT
"C"	1/2"	1/2"	1/2"	1/2"
"D"	3/4"	3/4"	1"	1"
"E"	6-5/8"	6-5/8"	10-3/4"	10-3/4"
"F"	6"	6"	8"	8"
"H"	16"	16"	16"	16"
"G"	12-5/8"	12-5/8"	18-3/4"	18-3/4"

NOTE:
INSTALL FLOAT AND THERMOSTATIC STEAM TRAP SIZED FOR 5% OF MAX FLOW AT THE CONDENSATE OUTLET.
EXAMPLE: 4" @ 100PSIG=13,900 LBS/HR X 5% SATURATED WATER= 695 LBS/HR (SIZE 3/4" THERMAFLO FTH-125) 100PSIG DIFFERENTIAL PRESSURE

#	DATE	REVISION	BY

DWG. STATUS: TFEI DESIGN DEVELOPMENT ISSUED, FOR APPROVAL ISSUED, FOR CONSTRUCTION

THERMAFLO INC. Since 1986
Manufacturers Of Steam Fired Specialty Equipment
2880 Fair Avenue, Newberry, SC 29108
(704) 940-1228 www.thermafloengineering.com

DESCRIPTION: VSS-STEAM SEPARATOR-1"-2"-SALES

CUSTOMER:	JOB #	QTY.	DATE:
TECHNICAL INFORMATION SHEET	STANDARD	1	10-26-21
SCALE:	DRAWN: RSP	PO #	PLAN #
	FILE: SAME	REV. #	PAGE: 1 OF 1

DIM TOL= +/- 1/2"