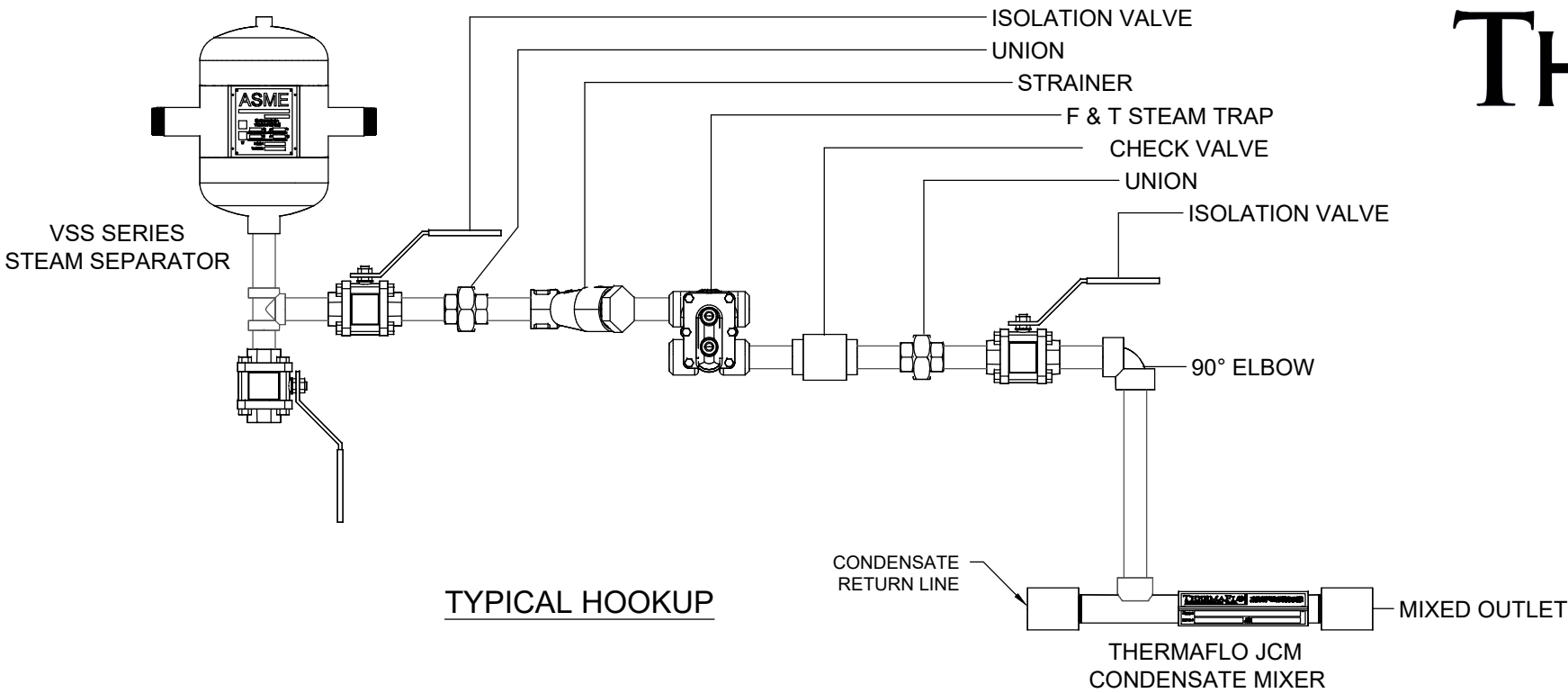
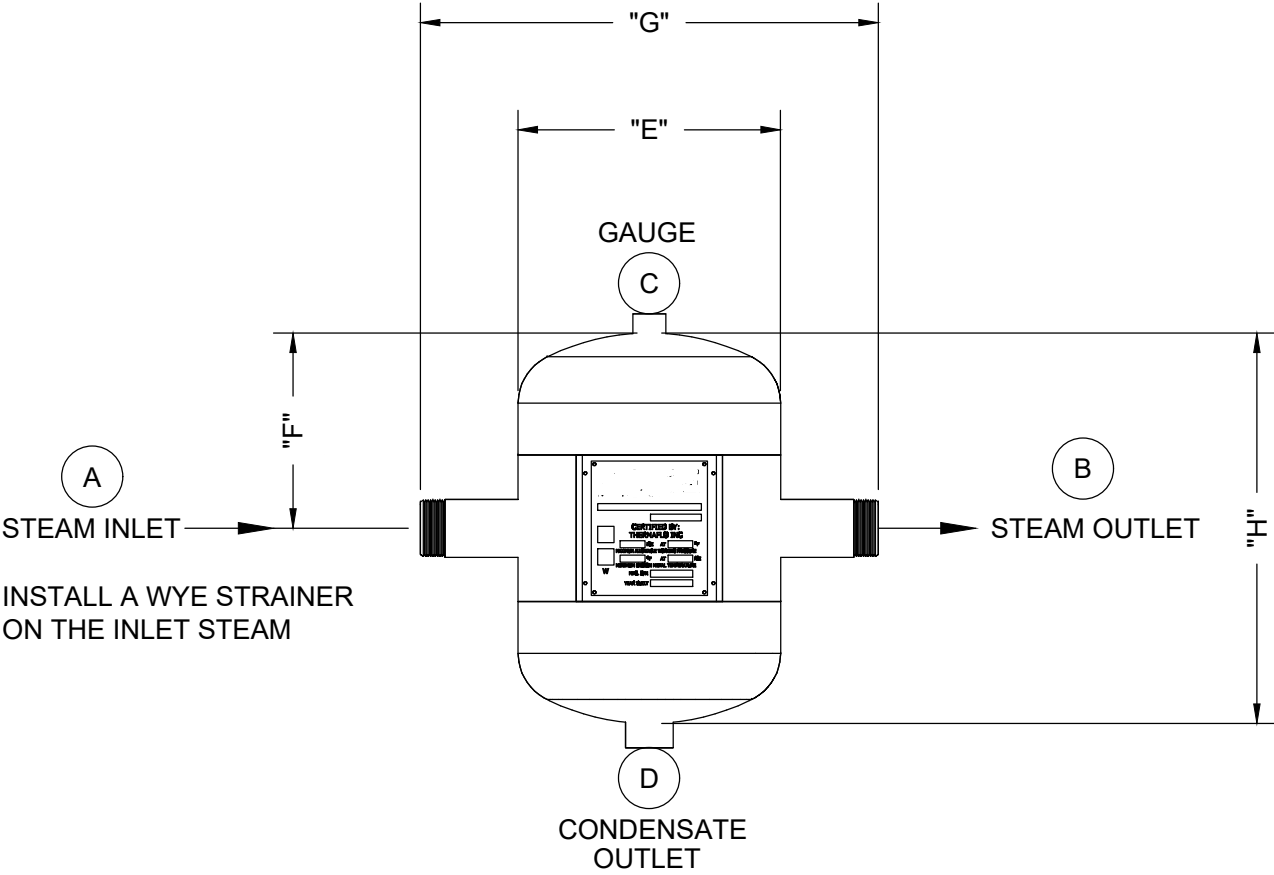
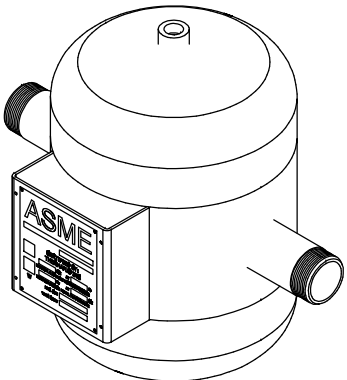




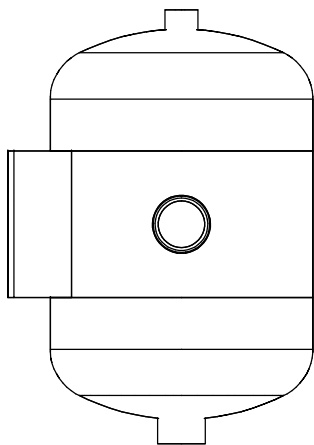
TYPICAL HOOKUP



FRONT VIEW



ISOMETRIC



RIGHT SIDE VIEW

BODY CONSTRUCTION:

CHECK OPTION

CARBON STEEL STANDARD

☐

316 STAINLESS STEEL OPTIONAL

☐

ASME CODE 150LB STAMPED OPTIONAL

☐

DESCRIPTION:

THE VSS 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	3/4 / 1"	1-1/4"	1-1/2"	2"
15 PSIG	220	451	528	910
30 PSIG	264	532	596	1,480
50 PSIG	308	792	891	2,388
75 PSIG	385	1,034	1,287	2,680
100 PSIG	429	1,297	1,549	3,071
125 PSIG	495	1,486	1,859	3,730
150 PSIG	624	1,748	2,057	4,177

DIMENSION CHART

	3/4" / 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: 2" @ 100PSIG=3,071 LBS/HR X 5% SATURATED WATER= 153 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

Since 1986

INC.

Manufacturers Of Steam Fired Specialty Equipment

2880 Fair Avenue, Newberry, SC 29108

(704) 940-1228 www.thermafloengineering.com

DESCRIPTION:

VSS-STEAM SEPARATOR-3/4"-2"-SIZES

CUSTOMER:	JOB #	QTY.	DATE:
TECHNICAL INFORMATION SHEET	STANDARD	1	10-26-25
SCALE:	DRAWN:	PO #	PLAN #
	RSP		
FILE:	REV.#	PAGE:	
SAME		1 OF 1	

DIM TOL= +/- 1/2"

THIS DRAWING AND INFORMATION THEREON ARE THE PROPERTY OF: THERMAFLO INCORPORATED AND SHALL NOT BE USED OR DISCLOSED, EXCEPT IN ACCORDANCE WITH PRIOR WRITTEN APPROVAL. THIS DRAWING AND BILL OF MATERIAL REPRESENTS THE ENTIRE CONTENT OF THERMAFLO'S SCOPE OF SUPPLY. THERMAFLO MAKES NO OTHER REPRESENTATION OF ADDITIONAL ITEMS, VALVES, OR EQUIPMENT OTHER THAN WHAT IS LISTED AND SHOWN HERE. THERMAFLO INCORPORATED RESERVES THE RIGHT TO MAKE DESIGN CHANGES AS NEEDED.