DRAWING / PROJECT APPROVAL REVISE AS NOTED AND RETURN FOR APPROVAL APPROVED FOR CONSTRUCTION AS DRAWN RETURNED BY:

GENERAL NOTES:

- 100% FACTORY TESTED BEFORE SHIPMENT
- SINGLE SEATED SEGMENTED V CONTROL VALVE FOR DEAD TIGHT SHUTOFF ON NO LOAD CONDITIONS. 300:1 TURNDOWN
- 316L STAINLESS STEEL SHELL CONSTRUCTION FULL SELF TUNING PID DIGITAL CONTROLS
- DOUBLE SAFETY SOLENOID SAFETY HIGH LIMIT SYSTEM FAIL SAFE TEMPERATURE CONTROLLER AND CONTROL VALVE
- MOUNTING FRAME INCLUDED

INSTALLATION NOTES:

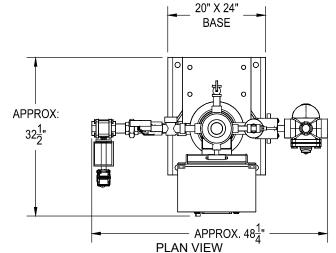
- 1. BLEND VALVE RECOMMENDED WITH 140F OR HIGHER SET POINT.
- 2. ALL DIMENSIONS TO HAVE ½" TOLERANCE
 3. WHEN USING A FLOAT & THERMOSTATIC STEAM TRAP, THE
 CONDENSATE MUST DRAIN BY GRAVITY TO A VENTED RECEIVER. NO CONDENSATE LIFT OR BACK PRESSURE ALLOWED FROM TRAP
- 4. PROPERLY SIZED STRAINER WITH 100 MESH SCREEN MUST BE INSTALLED WITHIN 3FT OF THE CONTROL VALVE.
 5. PIPE NOZZLES "G", "H", AND "K" TO A SUITABLE DRAIN BY OTHERS.
- 6. NOZZLES WILL NOT SUPPORT EXTERNAL LOADINGS. FIELD
- SUPPORT BY OTHERS 7. CONTROL VALVE, STEAM TRAP AND GAUGES, SHIPPED LOOSE
- FIELD INSTALLED BY OTHERS.

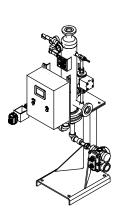
 8. STEAM SUPPLY TO THE CONTROL VALVE SHOULD BE SIZED FOR NO
- MORE THAN 10,000 FPM TO AVOID HIGH PRESSURE DROPS.

 9. MAIN DRIP STEAM TRAP MUST BE LOCATED DIRECTLY AT THE
- 10. CONTROL VALVE MUST BE INSTALLED, AS SHOWN, ON IT'S SIDE. VALVE CONTROL ELECTRONICS ARE NOT INSULATED.

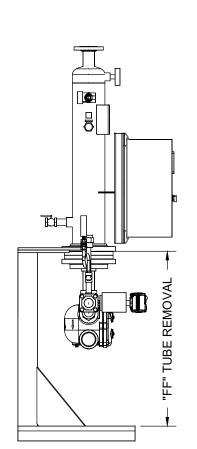
MODEL	STANDARD DIMENSIONS								STANDARD WEIGHTS (LBS)			
SELECTION	MODEL	"AA"	"BB"	"CC"	"DD"	"EE"	"FF"	"GG"	SHIPPING	DRY	FLOODED	SHIPPING
	636 SINGLE WALL	80.75	44.75	28.94	21.50	64.25	36.00	44.75	4'X8'X4'	415	480	640
	636 DOUBLE WALL	80.75	44.75	28.19	20.75	64.25	36.00	44.75	4'X8'X4'	475	540	700

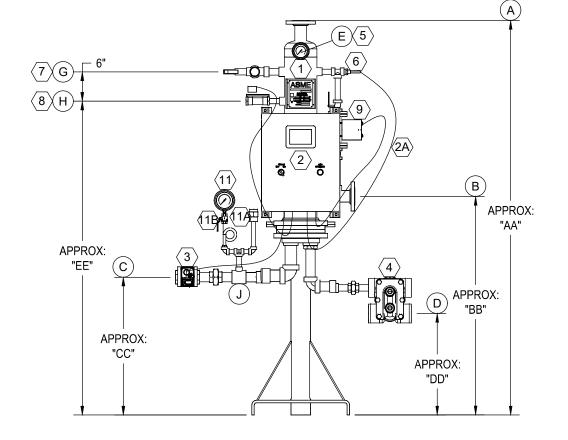
DO NOT SUBJECT EQUIPMENT TO FREEZING TEMPERATURES OR OUTDOOR CONDITIONS

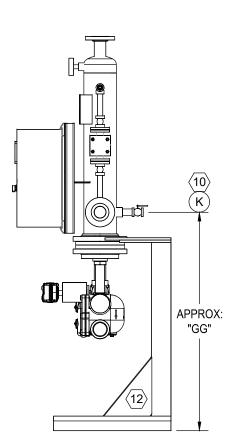




ISOMETRIC VIEW







		M	ATERIALS	of CON	STRUCTION					
		SHEL	_	316L STAINLESS STEEL						
		TUBE								
TUBES			OUBLE WAL	.L ONLY)						
			(INNER)							
	SIE	-AM F	BILL of MATERIALS							
	SIZE		BILL	OT WAIL	RIALS					
ITEM	SELECTION	ON	DESCRIPTION							
1	BUI	VDLE	GLASS INSULATION & VINYL JACKET							
2			THERMAFLO ELECTRONIC CONTROLLER, UL LISTED, PID ELEC. TEMP. CONTROL, W/ SAFETY SHUTDOWN AND OPERATION INDICATOR LIGHTS							
2A	STANDAR	RD	1/2" UL LIQUIDTIGHT FLEXIBLE STEEL CONDUIT, TYPE LFMC							
3			THERMAFLO JVV-VBALL STEAM CONTROL VALVE, STAINLESS, W/FAIL SAFE ACTUATOR							
4			THERMAFLO FLOAT AND THERMOSTATIC STEAM TRAP							
5	STANDARD		TEMPERATURE GAUGE, 0-250F, SS WELL.							
6	STANDARD		1/2" RTD, 4-20ma OUTPUT FROM CONTROLLER							
7	STANDARD		1" 18C5225150 PRESSURE & TEMP. RELIEF VALVE, SET @ 150 PSI @ 210F, RATED @ 3,625,000 BTU.							
8	STANDAF		3/4" HIGH-TEMP. DUMP SOLENOID							
9	STANDAF	STANDARD		3/4" SHELL RE-CIRCULATION PUMP						
10	STANDAF	STANDARD		1" THERMAFLO 3700 BALL VALVE, FULL PORT, STAINLESS STEEL						
11		STANDARD		4.5" DIAL PRESSURE GAUGE 0-30 PSIG W/ SYPHON						
11A	STANDAF	RD	3/4" THERMAFLO VACUUM BREAKER							
11B	STANDAF	RD	1/4" THERMAFLO 3700 BALL VALVE, FULL PORT, STAINLESS STEEL							
12	STANDAF	RD	THERMAFL	O CARBO	N STEEL STAND					
		1	VOZZLES	& CONI	NECTIONS					
ITEM	SIZE (IN)		TYPE		SERVICE					
Α	2		FLG		HOT WATER OUTLET					
В	2		FLG		COLD WATER INLET					
С			NPT		STEAM INLET					
D	1 2/4		NPT		CONDENSATE OUTLET					
E	3/4		NPT		GAUGE					
G	1	NPT		RELIEF VALVE						
Н	3/4		NPT NPT	DUMP SOLENOID						
J K	3/4		NPT NPT	GAUGE						
^	1 1	İ	NPT DRAIN							
K	,		141 1		DIVAIN					

DESIGN DATA

ASME CODE SECTION VIII, DIV. 1 STAMP UM

CONDITION OF SERVICE AND PERFORMANCE DATA

SEE QUOTE

150 PSI @, 375F

150 PSI @ 375F

GPM

PSIG

LBS/HR

SHELL RATED

TUBE RATED

FLOW RATE (gpm)

INLET TEMPERATURE (Deg. F)

OUTLET TEMPERATURE (Deg. F) INLET STEAM PRESSURE (PSI)

STEAM CAPACITY REQ. (LBS/HR)

AVAILABLE WITH 36" OR SHORTER TUBE BUNDLE

TAG:

DATE REVISION BY

Since 1986

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

DESCRIPTI	ION:						
TH750V	/-6" SHOF	RT-EC1000	O STEAM	FIRED	DOMESTIC	WATER H	IEATER
CUSTOME	₹:			JOB#		QTY.	DATE: 06-01-1
SCALE:	DRAWN: RSP	PO #	PLAN#	FILE:	SAME	REV.# 0	PAGE:

LEFT SIDE VIEW

FRONT VIEW

RIGHT SIDE VIEW

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.