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

DO NOT SUBJECT EQUIPMENT TO FREEZING

MODEL	STANDARD DIMENSIONS							STANDARD WEIGHTS (LBS)				
SELECTION	MODEL	"AA"	"BB"	"CC"	"DD"	"EE"	"FF"	"GG"	SHIPPING	DRY	FLOODED	SHIPPING
	848 SINGLE WALL	107.19	56.69	39.50	31.06	90.19	48.00	56.69	4′X10′X4′	545	645	770
	848 DOUBLE WALL	107.19	56.69	<i>38.75</i>	30.31	90.19	48.00	56.69	4'X10'X4'	610	710	835

TEMPERATURES OR OUTDOOR CONDITIONS

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:

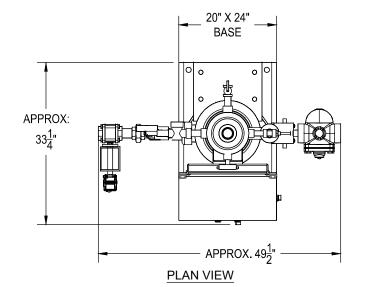
- 1. BLEND VALVE RECOMMENDED WITH 140F OR HIGHER SET POINT.
- ALL DIMENSIONS TO HAVE ½" TOLERANCE
 WHEN USING A FLOAT & THERMOSTATIC STEAM TRAP, THE CONDENSATE MUST DRAIN BY GRAVITY TO A VENTED RECEIVER. NO CONDENSATE LIFT OR BACK PRESSURE ALLOWED FROM TRAP OUTLET.
 4. PROPERLY SIZED STRAINER WITH 100 MESH SCREEN MUST BE
- INSTALLED WITHIN 3FT OF THE CONTROL VALVE.

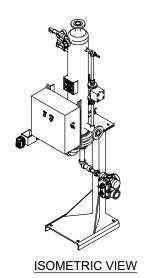
 5. PIPE NOZZLES "G", "H", AND "K" TO A SUITABLE DRAIN BY OTHERS.

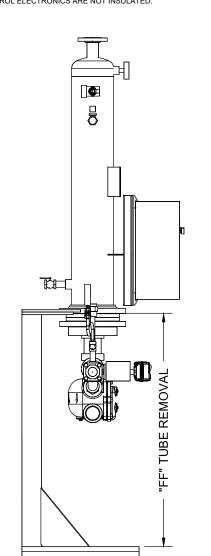
 6. NOZZLES WILL NOT SUPPORT EXTERNAL LOADINGS. FIELD
- SUPPORT BY OTHERS. 7. CONTROL VALVE, STEAM TRAP AND GAUGES, SHIPPED LOOSE
- FIELD INSTALLED BY OTHERS.

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

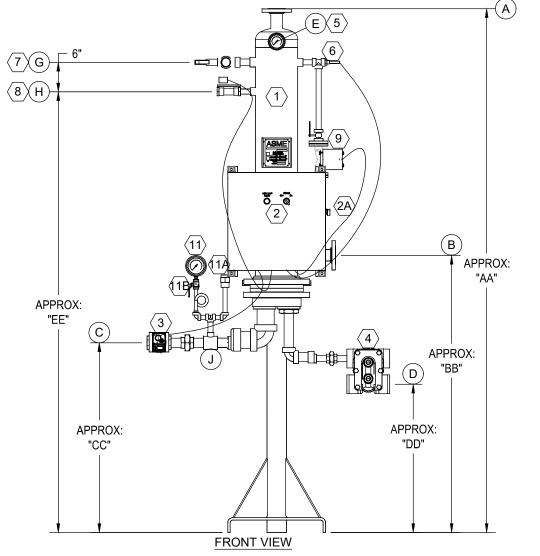
 9. MAIN DRIP STEAM TRAP MUST BE LOCATED DIRECTLY AT THE CONTROL VALVE INLET.
- 10. CONTROL VALVE INLET:
 10. CONTROL VALVE MUST BE INSTALLED, AS SHOWN, ON IT'S SIDE.
 VALVE CONTROL ELECTRONICS ARE NOT INSULATED.

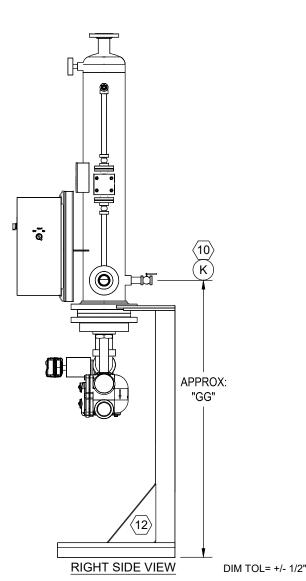






LEFT SIDE VIEW





DESIGN DATA					
ASME CODE SECTION VIII, DIV. 1 STAMP UM					
SHELL RATED	150 PSI @ 375F				
TUBE RATED	150 PSI @ 375F				
CONDITION OF SERVICE AND PERFORMANCE DATA					
FLOW RATE (gpm)	GPM				
INLET TEMPERATURE (Deg. F)	۰F				
OUTLET TEMPERATURE (Deg. F)	۰F				
INLET STEAM PRESSURE (PSI)	PSIG				
STEAM CAPACITY REQ. (LBS/HR)	LBS/HR				
SEE QUOTE					

MATERIALS of CONSTRUCTION				
SHELL	316L STAINLESS STEEL			
TUBES				
ESHEET (OUTER)(DOUBLE WALL ONLY)				
TUBESHEET (INNER)				
STEAM HEAD	CAST IRON			

BILL of MATERIALS

ITEM	SELECTION	DESCRIPTION		
1	BUNDLE	8"ØX 48" SHELL (ASME CODE STAMPED), 1 1/2" OF		
'	BONDLE	GLASS INSULATION & VINYL JACKET		
		THERMAFLO ELECTRONIC CONTROLLER, UL LISTED, PID		
2		ELEC. TEMP. CONTROL, W/ SAFETY SHUTDOWN AND		
		OPERATION INDICATOR LIGHTS		
2A	STANDARD	1/2" UL LIQUIDTIGHT FLEXIBLE STEEL CONDUIT, TYPE		
2A	STANDARD	LFMC		
3		THERMAFLO JVV-VBALL STEAM CONTROL VALVE,		
3		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		
_ ′	STANDARD	@ 150 PSI @ 210F, RATED @ 3,625,000 BTU.		
8	STANDARD	3/4" HIGH-TEMP. DUMP SOLENOID		
9	STANDARD	3/4" SHELL RE-CIRCULATION PUMP		
10	STANDARD	1" THERMAFLO 3700 BALL VALVE, FULL PORT,		
10	STANDARD	STAINLESS STEEL		
11	STANDARD	4.5" DIAL PRESSURE GAUGE 0-30 PSIG W/ SYPHON		
11A	STANDARD	3/4" THERMAFLO VACUUM BREAKER		
11B	STANDARD	1/4" THERMAFLO 3700 BALL VALVE, FULL PORT,		
116	GIANDARD	STAINLESS STEEL		
12	STANDARD	THERMAFLO CARBON STEEL STAND		
NOZZI ES 8 CONNECTIONS				

NOZZLES & CONNECTIONS

ITEM	SIZE (IN)	TYPE	SERVICE
Α	2	FLG	HOT WATER OUTLET
В	2	FLG	COLD WATER INLET
С		NPT	STEAMINLET
D		NPT	CONDENSATE OUTLET
Ε	3/4	NPT	GAUGE
G	1	NPT	RELIEF VALVE
Н	3/4	NPT	DUMP SOLENOID
J	3/4	NPT	GAUGE
K	1	NPT	DRAIN

TAG:

BY DATE REVISION

Since 1986

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

DESCRIPTION:			
TH750V-8"-EC800-2 STEAM FIR	ED DOMESTIC WA	ATER HEA	ATER
CUSTOMER:	JOB#	QTY.	DATE:
		TH750V-8"-EC800-2 STEAM FIRED DOMESTIC WA	TH750V-8"-EC800-2 STEAM FIRED DOMESTIC WATER HE

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06-01-19 SCALE: DRAWN: PO# REV.# PAGE: PLAN# FILE: RSP 0