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

the sole responsibility of the purchaser to assure that this drawing full see with any / all specifications and conditions of service when approximate structure. Approximate for construction is an agreement that this system, as the control of the control of

STANDARD WEIGHTS (LBS) STANDARD DIMENSIONS MODEL SELECTION "FF" "GG" SHIPPING FLOODED SHIPPING MODEL "AA" "BB" "CC" "DD" "EE" DRY 648 SINGLE WALL 106.75 56.75 40.94 32.19 90.25 48.00 56.75 4'X10'X4 495 560 720 648 DOUBLE WALL 106.75 56.75 40.19 31.44 90.25 48.00 56.75 4'X10'X4' 555 620 780

DO NOT SUBJECT EQUIPMENT TO FREEZING TEMPERATURES OR OUTDOOR CONDITIONS

GENERAL NOTES:

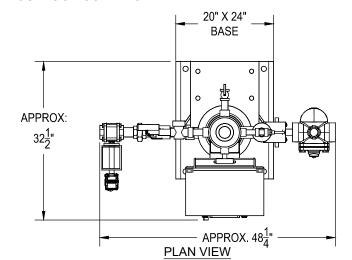
- 100% FACTORY TESTED BEFORE SHIPMENT
- SINGLE SEATED SEGMENTED V CONTROL VALVE FOR DEAD TIGHT SHUTOFF ON NO LOAD CONDITIONS. 300:1 TURNDOWN
- 316L STAINLESS STEEL SHELL CONSTRUCTION
- FULL SELF TUNING PID DIGITAL CONTROLS
- DOUBLE SAFETY SOLENOID SAFETY HIGH LIMIT SYSTEM FAIL SAFE TEMPERATURE CONTROLLER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

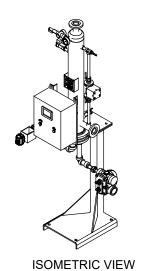
INSTALLATION NOTES:

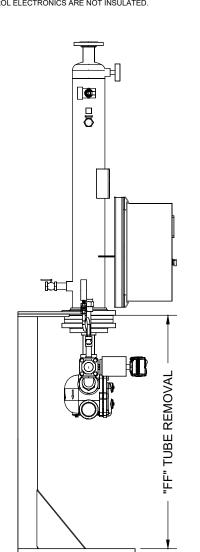
- 1. BLEND VALVE RECOMMENDED WITH 140F OR HIGHER SET POINT.
- 2. ALL DIMENSIONS TO HAVE ½" TOLERANCE
 3. WHEN USING A FLOAT & THERMOSTATIC STEAM TRAP, THE
 CONDENSATE MUST DRAIN BY GRAVITY TO A VENTED RECEIVER. NO CONDENSATE LIFT OR BACK PRESSURE ALLOWED FROM TRAP
- 4. PROPERLY SIZED STRAINER WITH 100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

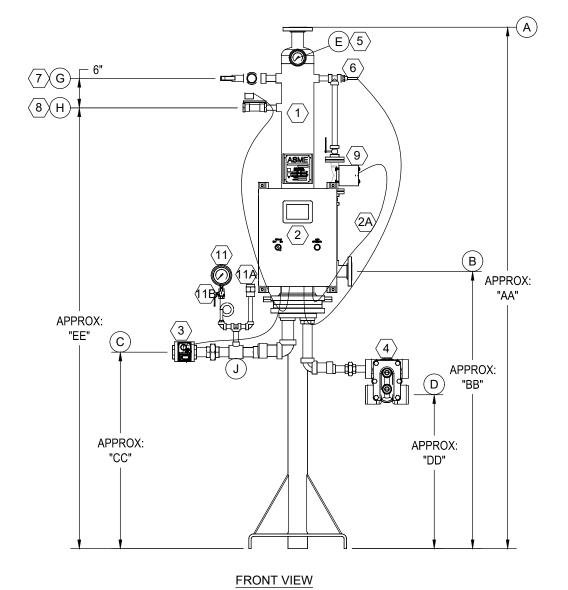
 9. MAIN DRIP STEAM TRAP MUST BE LOCATED DIRECTLY AT THE CONTROL VALVE INLET.
- 10. CONTROL VALVE MUST BE INSTALLED, AS SHOWN, ON IT'S SIDE. VALVE CONTROL ELECTRONICS ARE NOT INSULATED.

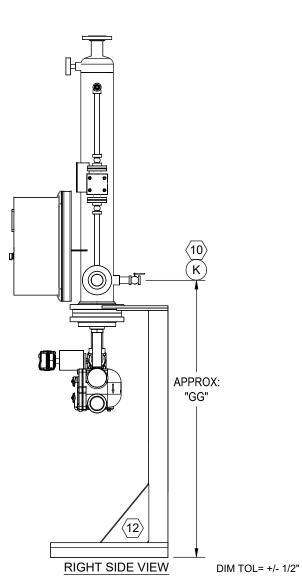






LEFT SIDE VIEW





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							
TUBESHEET (OUTER)(DOUBLE WALL ONLY)							

CAST IRON

SERVICE HOT WATER OUTLET

COLD WATER INLET

STEAMINLET

CONDENSATE OUTLET

GAUGE RELIEF VALVE

DUMP SOLENOID

GAUGE

DRAIN

		BILL of MATERIALS				
ПЕМ	SIZE SELECTION	DESCRIPTION				
1	BUNDLE	6"ØX 48" SHELL (ASME CODE STAMPED), 1 1/2" OF GLASS INSULATION & VINYL JACKET				
2		THERMAFLO ELECTRONIC CONTROLLER, UL LISTED, PIL ELEC. TEMP. CONTROL, W/ SAFETY SHUTDOWN AND OPERATION INDICATOR LIGHTS				
2A	STANDARD	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	STANDARD	3/4" HIGH-TEMP. DUMP SOLENOID				
9	STANDARD	3/4" SHELL RE-CIRCULATION PUMP				
10	STANDARD	1" THERMAFLO 3700 BALL VALVE, FULL PORT, 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, STAINLESS STEEL				
12	STANDARD	THERMAFLO CARBON STEEL STAND				
NOZZLES & CONNECTIONS						

TUBESHEET (INNER)

STEAM HEAD

TAG:

ITEM SIZE (IN)

G

3/4

3/4

3/4

TYPE

FLG

FLG NPT

NPT

NPT

NPT

NPT

NPT

NPT

BY DATE REVISION

Since 1986

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

DESCRIPTI TH75		-6"-EC1000 STEAM FIRED DOMESTIC WATER HEATER					
CUSTOME	OMER:			JOB#		QTY.	DATE: 06-01-19
SCALE:	DRAWN: RSP	PO#	PLAN#	FILE:	SAME	REV.# 0	PAGE: 1 OF 1

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