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

STANDARD WEIGHTS (LBS) MODEL STANDARD DIMENSIONS **SELECTION** FLOODED SHIPPING MODEL "BB" "CC" "DD" "EE" "FF" "GG" SHIPPING DRY "AA" 40.94 32.19 48.00 56.75 495 648 SINGLE WALL 106.75 56.75 90.25 4X10X4 560 720 780 648 DOUBLE WALL | 106.75 56.75 40.19 31.44 90.25 48.00 56.75 4X10X4 555 620

DO NOT SUBJECT EQUIPMENT TO FREEZING TEMPERATURES OR OUTDOOR CONDITIONS

GENERAL NOTES:

100% FACTORY TESTED BEFORE SHIPMENT

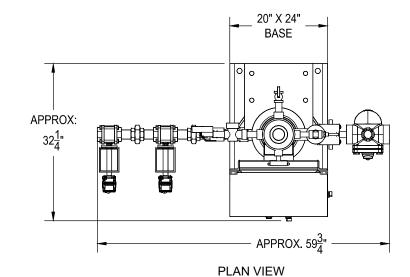
- SINGLE SEATED SEGMENTED V CONTROL VALVE FOR DEAD TIGHT SHUTOFF ON NO LOAD CONDITIONS. 300:1 TURNDOWN
- 316L STAINLESS STEEL SHELL CONSTRUCTION FULL SELF TUNING PID DIGITAL CONTROLS
- DOUBLE SAFETY SOLENOID SAFETY HIGH LIMIT SYSTEM FAIL SAFE TEMPERATURE CONTROLLER AND CONTROL VALVE
- MOUNTING FRAME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

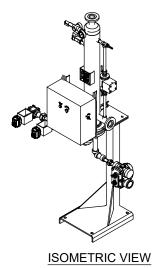
INSTALLATION NOTES:

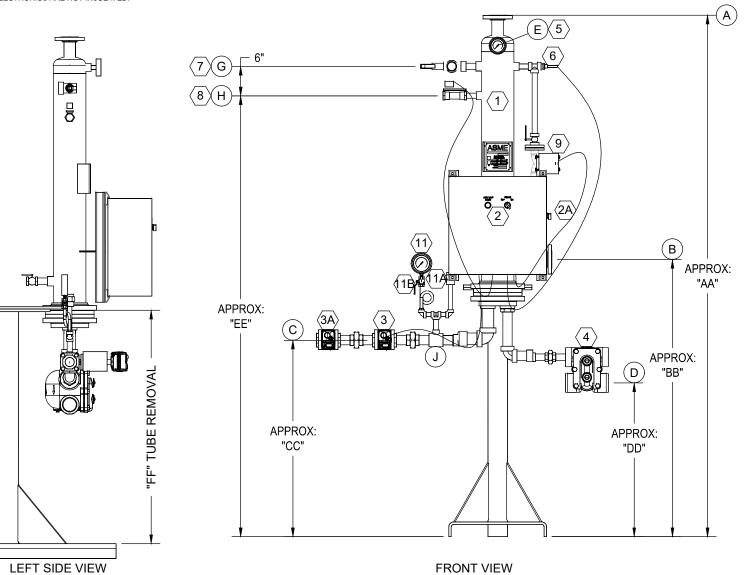
- 1. BLEND VALVE RECOMMENDED WITH 140F OR HIGHER SET POINT.
- 2. ALL DIMENSIONS TO HAVE ½" TOLERANCE
 3. WHEN USING A FLOAT & THERMOSTATIC STEAM TRAP, THE
 CONDENSATE MUST DRAIN BY GRAVITY TO A VENTED RECEIVER. NO CONDENSATE LIFT OR BACK PRESSURE ALLOWED FROM TRAP
- 4. PROPERLY SIZED STRAINER WITH 100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

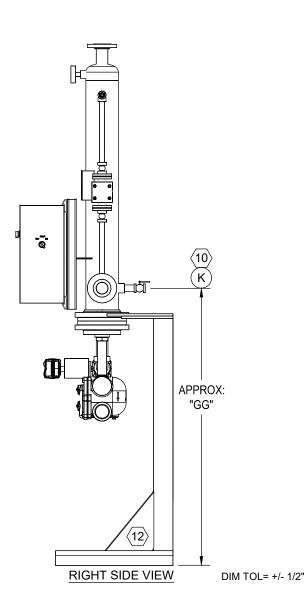
 8. STEAM SUPPLY TO THE CONTROL VALVE SHOULD BE SIZED FOR NO
- MORE THAN 10,000 FPM TO AVOID HIGH PRESSURE DROPS.

 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.









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)	°F					
OUTLET TEMPERATURE (Deg. F)	°F					
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)					
TUBESHEET (INNER)					
STEAM HEAD	CAST IRON				

BILL of MATERIALS

ITEM	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, PID 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
3 <i>A</i>		THERMAFLO BVV-VBALL STEAM SAFETY SHUTDOWN 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

FLG

FLG NPT

NPT

NPT

NPT

NPT

NPT

HOT WATER OUTLET

COLD WATER INLET

STEAM INLET CONDENSATE OUTLET

GAUGE

RELIEF VALVE

DUMP SOLENOID

GAUGE

DRAIN

TAG:

RSP

3/4

3/4

G

BY DATE REVISION

Since 1986

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

	DESCRIPTI	ION:						
	TH750V-6"-EC800-2 STEAM FIRED DOMESTIC WATER HEATER							
. "	CUSTOME	₹:			JOB#	QTY.	DATE:	
							06-01-19	
	SCALE:	DD V/W/VI	DO #	DI ANI#	CII C.	DEV/#	DVCE:	

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