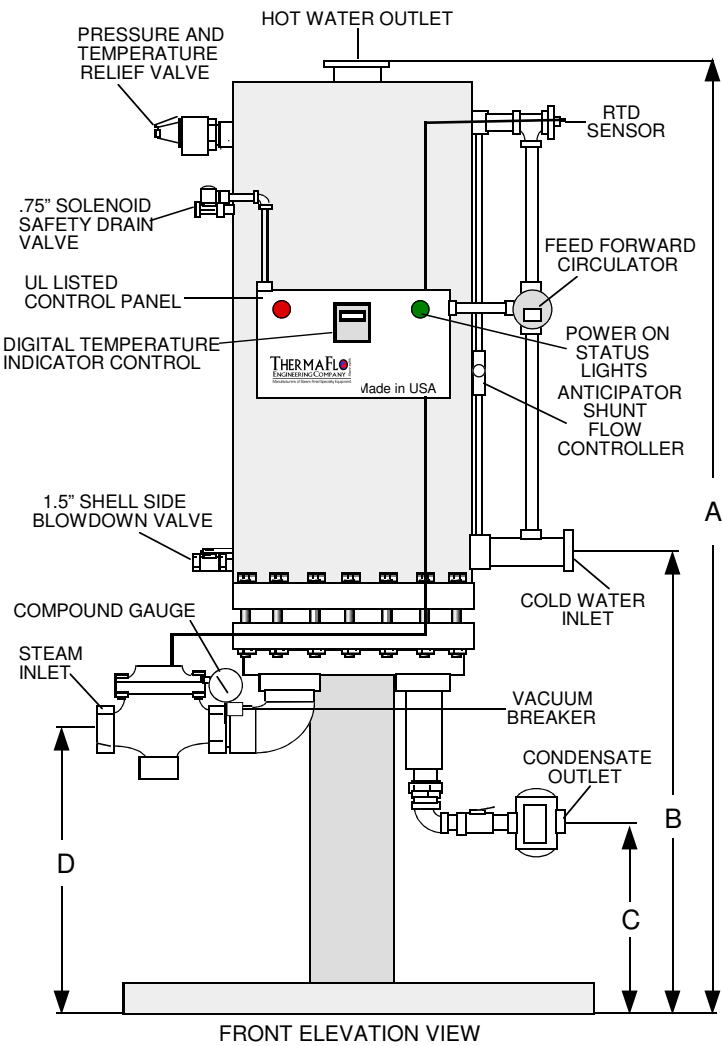


# THERMAFLO TH-750VPN STEAM FIRED WATER HEATER STANDARD FEATURES



- ASME CODE SECTION VIII DIV1 U STAMPED CONST
- 100% FACTORY STEAM TESTED BEFORE SHIPMENT
- PACKLESS SINGLE SEATED CONTROL VALVE 100:1 FLOW CONTROL AND SOFT SEATED FOR DEAD TIGHT SHUTOFF ON NO LOAD CONDITIONS
- VERTICAL CROSS FLOW SELF CLEANING TUBE DESIGN
- 316L STAINLESS STEEL SHELL CONSTRUCTION
- INTERGAL FEED FORWARD DEMAND ANTICIPATOR FOR FAST RESPONSE OF LOAD CHANGE
- FULL SELF TUNING PID DIGITAL CONTROLS
- ACCURACY +/- 4F UNDER NORMAL LOADS
- DOUBLE SAFETY SOLENOID SAFETY HIGH LIMIT SYSTEM FAIL SAFE TEMPERATURE CONTROLLER AND CONTROL VALVE
- SHELL BLOWDOWN VALVE AND EXPANDABLE TUBE DESIGN TO REMOVE INTERNAL SCALE BUILDUP
- 1.5" THICK INSULATION WITH HEAVY METAL JACKET

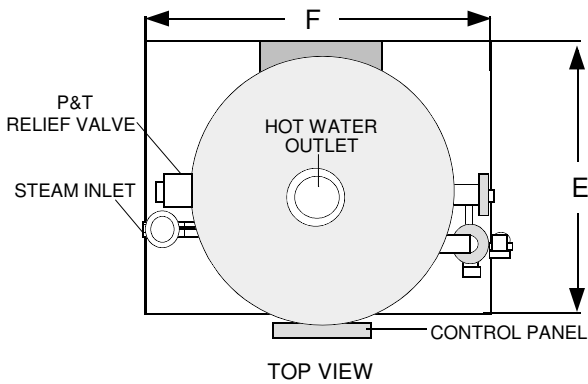
HEAT EXCHANGER DESIGN STANDARDS			
	MAXIMUM WORKING PRESSURE PSIG	MAXIMUM TEMPERATURE	TEST PRESSURE
SHELL SIDE	150 PSIG	325F	300 PSIG
TUBE SIDE	125 PSIG	375F	300 PSIG
ASME CODE SECTION VIII, DIV 1 STAMP U			
PRESSURE AND TEMPERATURE RELIEF VALVE SET 150 PSIG @ 210F			

### CONNECTIONS

INLET WATER: 2" NPT TH-750-4-36,6-36, and 8-36
INLET WATER: 3" 150 LB RF TH-750-10-24/36 AND TH-750-12-36
OUTLET WATER: 2" NPT TH-750-4,36,6-36, and 8-36
OUTLET WATER: 3" 150LB RF TH-750-10-24/36 AND TH-750-12-36
STEAM CONTROL VALVE: 2" AND BELOW NPT OVER 2" 150LB FLG
CONDENSATE OUTLET: 2 1/2" AND BELOW NPT AS REQUIRED

- NOTE: 1. STEAM CONTROL VALVE SIZED PER APPLICATION  
 2. CONDENSATE OUTLET SIZED PER APPLICATION  
 3. 2" SHELL CONNECTIONS RATED FOR 50 GPM MAX FLOW  
 4. 3" SHELL CONNECTIONS RATED FOR 150 GPM MAX FLOW

DIMENSIONS SHOWN ARE IN INCHES



DIMENSIONS					
A	B	C	D	E	F
84	40	16	23	23	20



MATERIALS OF CONSTRUCTION	
SHELL	316L STAINLESS STEEL
TUBESHEET	RED HEAVY DUTY BRASS
TUBES	COPPER .049WALL SEAMLESS
STEAM HEAD	CLOSE GRAIN CAST IRON

- NOTE: 1. DOUBLE WALL TUBE CONSTRUCTION AVAILABLE.  
 2. CARBON STEEL STEAM HEAD ALSO AVAILABLE.  
 3. COMPLETE 316 STAINLESS STEEL CONSTRUCTION AVAILABLE.

**THERMAFLO** Since 1986  
**ENGINEERING COMPANY**  
 Manufacturers of Steam Fired Specialty Equipment

- NOTES: 1. UNIT HYDROTESTED BEFORE SHIPMENT.  
 2. UNIT SHOWN IS PNEUMATIC VERSION 20 PSI AIR REQUIRED.  
 3. 115 VOLT/1PHASE/60HZ POWER REQUIRED FOR OPERATION.  
 4. MOUNTING FRAME HAMMERTONE POWDER COATED..  
 5. CONTROL PANEL NEMA 1 CONSTRUCTION UL LISTED. NEMA 4 AVAILABLE.

**Manufacturing Facilities: 12243 Nations Ford Road  
 Pineville, North Carolina 28217  
 www.thermafloengineering.com**

<b>Thermaflo</b> Since 1986	Engineering Company Inc. Charlotte, North Carolina 28247
TH-750V STEAM FIRED WATER HEATER PACKAGED WITH PT PNEUMATIC VALVE DIMENSIONAL/FEATURE DRAWING	
DWN BY: DATE:4/07 SCALE: None CHKD: KB	APPD:RFJ DWG NO# 750V01J

DESIGN AND MATERIALS SUBJECT TO CHANGE