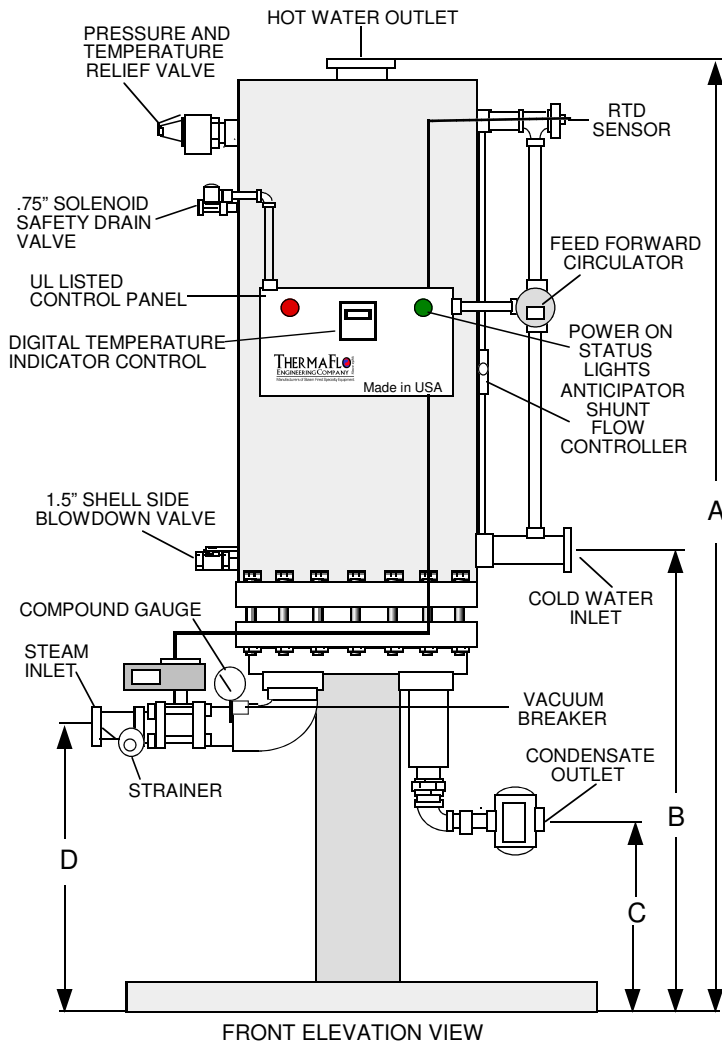


# THERMAFLO TH-750VEN ELECTRONIC STEAM FIRED WATER HEATER STANDARD FEATURES



- ASME CODE SECTION VIII DIV1 UM STAMPED CONST
- 100% FACTORY STEAM TESTED BEFORE SHIPMENT
- ELECTRONIC "FAIL SAFE" SPRING TO CLOSE SINGLE SEATED CONTROL VALVE, DEAD TIGHT SHUTOFF DESIGN, 50:1 FLOW TURNDOWN
- NO EXTERNAL AIR SOURCE REQUIRED
- 316L STAINLESS STEEL SHELL CONSTRUCTION
- INTERGAL FEED FORWARD DEMAND ANTICIPATOR FOR FAST RESPONSE OF LOAD CHANGE
- ACCURACY +/- 4F UNDER NORMAL LOADS
- DOUBLE SAFETY HIGH LIMIT SHUTDOWN SYSTEM
- UL LISTED DIGITAL MICROPROCESSOR TEMPERATURE CONTROLLER
- SHELL BLOWDOWN VALVE AND EXPANDABLE TUBE DESIGN TO REMOVE INTERNAL SCALE BUILDUP
- VACUUM BREAKER AND PRESSURE GAUGE
- 1.5" THICK INSULATION WITH METAL JACKET MEETS ASHRAE 90.1

HEAT EXCHANGER DESIGN STANDARDS			
	MAXIMUM WORKING PRESSURE PSIG	MAXIMUM TEMPERATURE	TEST PRESSURE
SHELL SIDE	150 PSIG	325F	300 PSIG
TUBE SIDE	125 PSIG	325F	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-750-6-36, 8-36/48  
 INLET WATER: 3" 150 LB RF TH-750-10-24/36/48 AND TH-750-12-36  
 OUTLET WATER: 2" NPT TH-750-6-36/8-36/48  
 OUTLET WATER: 3" 150LB RF TH-750-10-24/36 AND TH-750-12-36  
 STEAM CONTROL VALVE: AS REQUIRED  
 CONDENSATE OUTLET: AS REQUIRED

#### TAG:

**FLOW RATE:**  
**INLET STEAM PRESSURE:**  
**INLET WATER TEMPERATURE:**  
**OUTLET WATER TEMPERATURE:**  
**MODEL:**

#### 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 AND SANITARY AVAILABLE

**THERMAFLO**  
**ENGINEERING COMPANY** Since 1986

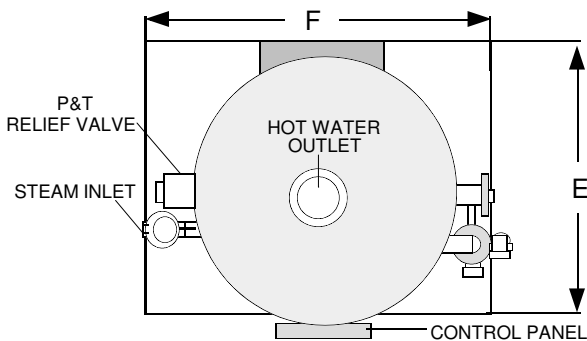
Manufacturers of Steam Fired Specialty Equipment

**Thermaflo**  
Since 1986
Engineering Company Inc.  
Charlotte, North Carolina 28247

**TH-750V STEAM FIRED WATER HEATER  
 PACKAGED WITH ELECTRONIC CONTROL VALVE  
 DIMENSIONAL/FEATURE DRAWING**

DWN BY:	DATE: 10/1/06	
SCALE: None		
CHKD: KB	APPD: RFJ	DWG NO# 750VEL01

DESIGN AND MATERIALS SUBJECT TO CHANGE



TOP VIEW

DIMENSIONS					
A	B	C	D	E	F
84	38	18	26	20	24

NOTE: A Dimension 96" for Model 8-48/10-48 Heaters

- NOTES: 1. UNIT HYDROTESTED BEFORE SHIPMENT.  
 2. UNIT SHOWN IS ELECTRONIC FAIL SAFE.  
 3. 115 VOLT/1PHASE/60HZ POWER REQUIRED FOR OPERATION.  
 4. MOUNTING FRAME PRIMED AND PAINTED.  
 5. CONTROL PANEL NEMA 4 CONSTRUCTION UL LISTED.

**Manufacturing Facilities: 12243 Nations Ford Road  
 Pineville, North Carolina 28134**