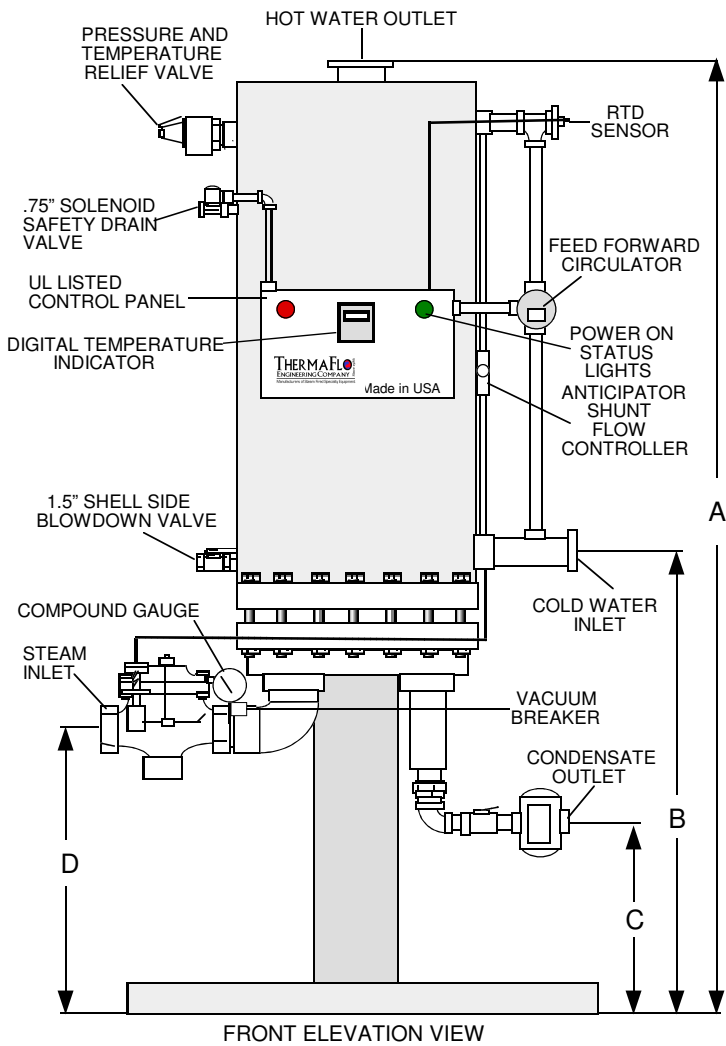


"SA Series" Self Contained System

THERMAFLO TH-750VSA STEAM FIRED WATER HEATER STANDARD FEATURES



- ASME CODE SECTION VIII DIV1 U STAMPED CONST
- 100% FACTORY STEAM TESTED BEFORE SHIPMENT
- PACKLESS SINGLE SEATED SELF CONTAINED STEAM CONTROL VALVE WITH PILOT OPERATOR "NO AIR REQUIRED FOR OPERATION"
- VERTICAL CROSS FLOW SELF CLEANING TUBE DESIGN
- 316L STAINLESS STEEL SHELL CONSTRUCTION
- INTERGAL FEED FORWARD DEMAND ANTICIPATOR FOR FAST RESPONSE OF LOAD CHANGE
- DIGITAL OUTLET FLUID TEMPERATURE INDICATOR
- 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

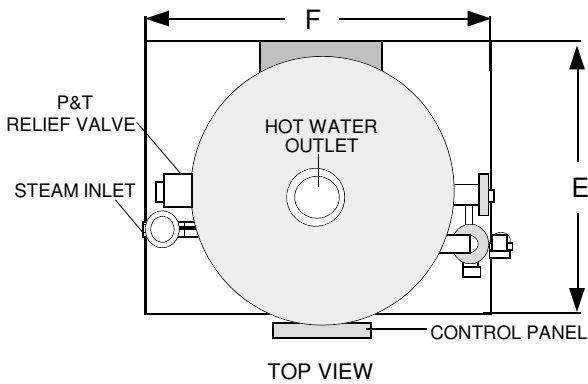
| HEAT EXCHANGER DESIGN STANDARDS | | | |
|---|-------------------------------|---------------------|---------------|
| | MAXIMUM WORKING PRESSURE PSIG | MAXIMUM TEMPERATURE | TEST PRESSURE |
| SHELL SIDE | 150 PSIG | 325F | 300 PSIG |
| TUBE SIDE | 125 PSIG | 375F | 300 PSIG |
| ASME CODE SECTION VIII, 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 SELF CONTAINED NO 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

| | |
|---|---|
| Thermaflo 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: SCALE: None CHKD: KB | DATE: 4/07 APPD: RFJ DWG NO# 750V01J |

DESIGN AND MATERIALS SUBJECT TO CHANGE