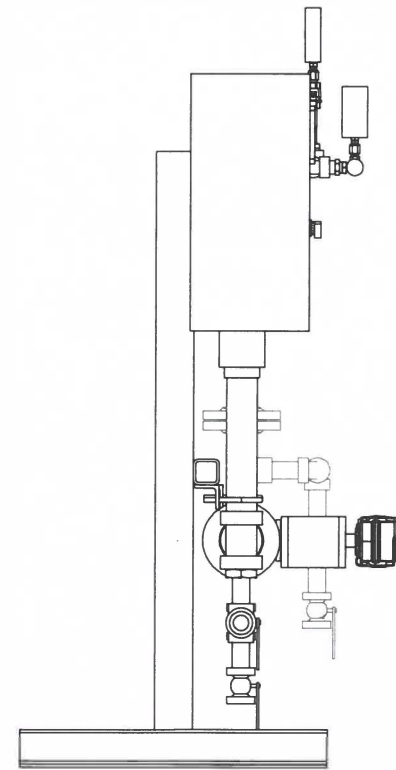
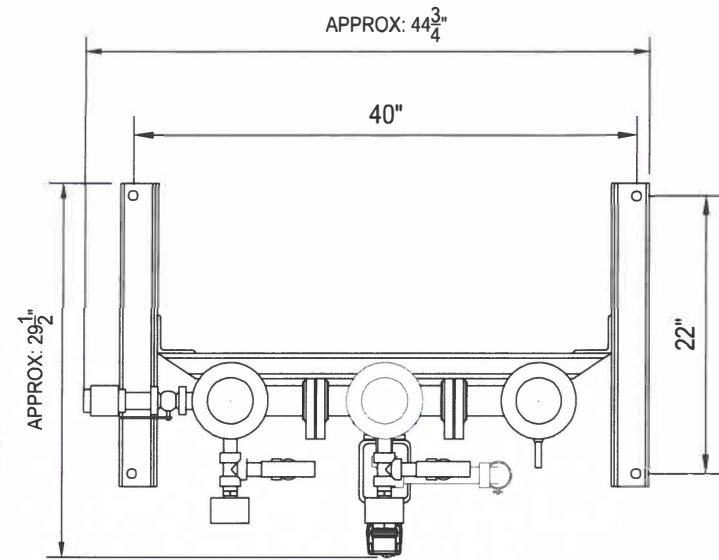


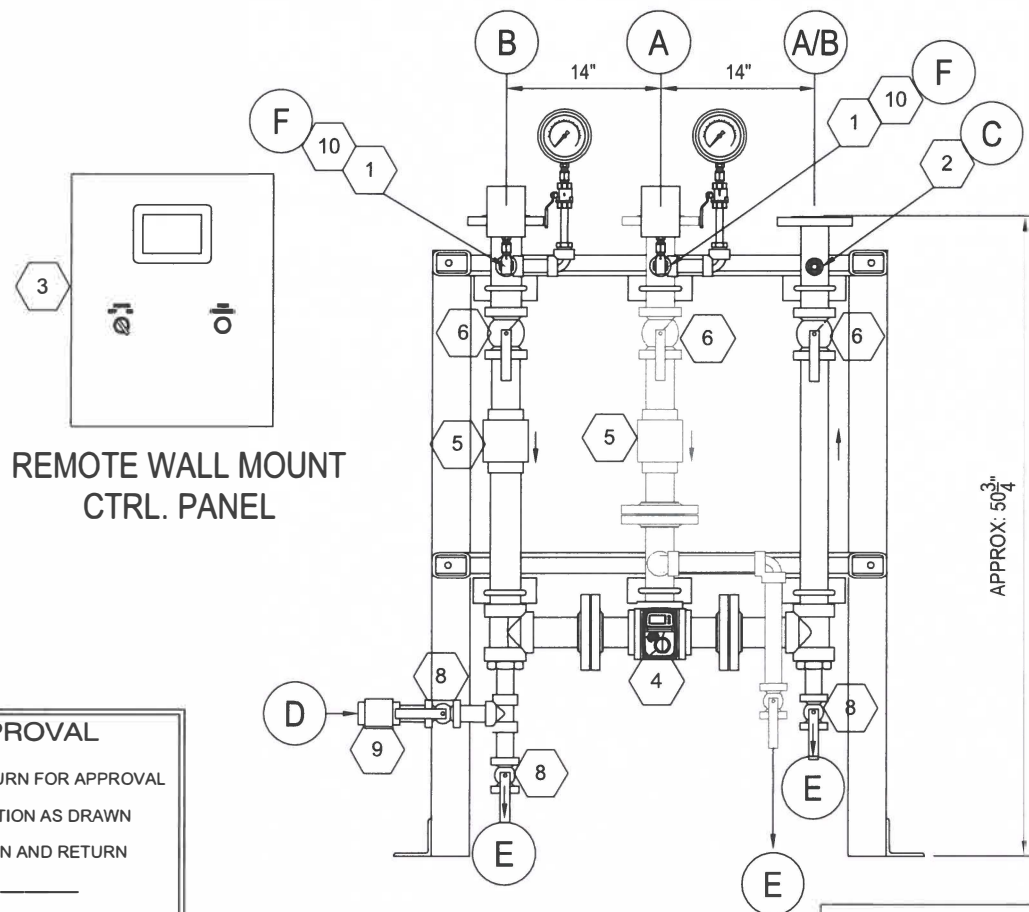
ISOMETRIC



LEFT SIDE VIEW



PLAN VIEW



FRONT VIEW

REMOTE WALL MOUNT CTRL. PANEL

DRAWING APPROVAL

REVISE AS NOTED AND RETURN FOR APPROVAL

APPROVED FOR CONSTRUCTION AS DRAWN

PLEASE INDICATE ABOVE, SIGN AND RETURN

RETURNED BY: _____

DATE: _____

NOTE: Material procurement and construction will NOT begin until we receive your final drawing approved for construction without pending changes. Quoted delivery lead times are based from the end of the drawing approval process. If you want material procurement to begin prior to drawing approval, make commitments and arrangements with your sales person.

MODELS:
 ETVBK-TMI100P-1"
 ETVBK-TMI150P-1.5"
 ETVBK-TMI200P-2"
 2.5" Available Flows
 to 200 GPM

ENGINEERED SUBMITTAL DATA SHEET
 THERMAFLO THERMAMIX ETVBK

STANDARD FEATURES

- FULLY ELECTRONIC MASTER MIX RECIRCULATING DOMESTIC WATER BLEND SYSTEM
- FAIL SAFE COLD DESIGN TO PREVENT OVERTEMP OF HOT WATER SYSTEM
- AUTOMATIC SHUT OFF OF HOT WATER IN THE EVENT OF A POWER FAILURE
- PROGRAMABLE OUTLET SET POINT, HI/LOW ALARMS, SAFETY SHUTDOWN
- +/- 2 DEGREE ACCURACY OF WIDE FLOW RANGES, UNDER NORMAL CONDITIONS
- ISOLATION VALVE, CHECK VALVES A COMPLETELY TESTED SYSTEM ENERGY MANAGEMENT SYSTEM INTERFACE
- FULLY BACNET INTERGRATED SmartFlo Logic

BILL of MATERIALS

| ITEM | quantity | DESCRIPTION |
|------|----------|---|
| 1 | 2 | DIGITAL TEMP. GAUGE, WEISS MDL. DVBM6, 0-250°F, 2.5" STEM |
| 2 | 1 | 1/2" RTD PROBE W/ 10 FT. CONNECTION CABLE |
| 3 | 1 | ELEC. CTRL. PANEL, THERMAFLO MDL. EC1000 |
| 4 | 1 | ETV 3 WAY ELECTRONIC BLENDING VALVE. |
| 5 | 2 | THERMAFLO CHECK VALVE CV 6800 SS |
| 6 | 3 | THERMAFLO 3700 SS, FULL PORT BALL VALVE |
| 7 | N/A | NOT USED |
| 8 | 3 | 1" THERMAFLO 3700 SS, FULL PORT BALL VALVE |
| 9 | 1 | 1" THERMAFLO 6800 SS CHECK VALVE |
| 10 | 2 | PRESSURE GAUGE 0-200PSI |

CONNECTIONS

| ITEM | TYPE | ETVBK-TMI100P | ETVBK-TMI150P | ETVBK-TMI200P |
|------|-------------------------------|---------------|---------------|---------------|
| A | HOT WATER INLET | 1" | 1.5" | 2" |
| B | COLD WATER INLET | 1" | 1.5" | 2" |
| A/B | BLENDED WATER OUTLET | 1" | 1.5" | 2" |
| C | RTD PROBE | 1/2" NPT | 1/2" NPT | 1/2" NPT |
| D | INLET FROM RECIRCULATING LOOP | 1" NPT | 1" NPT | 1" NPT |
| E | DRAIN | 1" NPT | 1" NPT | 1" NPT |
| F | TEMP & PRESS GAUGE | 3/4" NPT | 3/4" NPT | 3/4" NPT |

DESIGN STANDARDS

| | MAX. WORKING PRESSURE | MAX. TEMPERATURE | TEST PRESSURE |
|--------|-----------------------|------------------|---------------|
| SYSTEM | 150 PSIG | 250°F | 195 PSIG |

STANDARD CAPACITIES

| MODEL | VALVE SIZE | MAX GPM | PRESSURE DROP | CONNECTION |
|---------|------------|---------|---------------|------------|
| TMI100P | 1" | 36 | 10 PSI | 1" |
| TMI150P | 1.5" | 91 | 10 PSI | 1.5" |
| TMI200P | 2" | 145 | 10 PSI | 2" |

MATERIALS of CONSTRUCTION

1. PIPING: 316 STAINLESS STEEL
2. ALL ISOLATION VALVE(S) SHALL BE SUITABLE FOR DOMESTIC WATER SERVICE.
3. MIN FLOW: 5 GPM

OPERATING REQUIREMENTS

115 VOLT/SINGLE PHASE/60 HZ POWER SUPPLY
 SOFT TREATED WATER (<1.0 GRAINS/GALLON)

WEIGHTS & DIMENSIONS

NET WEIGHT: APPROX. 210 LBS
 SHIPPING WEIGHT: APPROX. 465 LBS
 SHIPPING DIMENSIONS: APPROX. 72" x 60" x 48"

NOTE:
 1-INSTALL STRAINERS AS REQUIRED ON SUPPLY PIPING BEFORE INLETS.
 2- HIGH TEMP. ALARM DRY CONTACTS FURNISHED.
 3-FULLY CONFORMS TO NSF-61 AND ASSE 1017 STANDARDS.

| # | DATE | REVISION | BY |
|---|------|----------|----|
| | | | |

DWG. STATUS: TFEI DESIGN DEVELOPMENT ISSUED, FOR APPROVAL ISSUED, FOR CONSTRUCTION

THERMAFLO INC. Since 1986
 Manufacturers Of Steam Fired Specialty Equipment
 2880 Fair Avenue, Newberry, SC 29108
 (704) 940-1228 www.thermafloengineering.com

DESCRIPTION:
 THERMAMIX-ETVBK SERIES-ELECTRONIC MASTER MIXING VALVE

| | | | |
|-----------|-------|------|----------|
| CUSTOMER: | JOB # | QTY. | DATE: |
| | | 1 | 07-12-21 |

| | | | | | | |
|--------|--------|------|--------|-------|--------|--------|
| SCALE: | DRAWN: | PO # | PLAN # | FILE: | REV. # | PAGE: |
| | RSP | | | SAME | 0 | 1 OF 1 |

ACTUAL CONDITIONS OF SERVICE

| TAG | ACTUAL GPM | MIN GPM | ACTUAL PRESSURE DROP AT FLOW |
|-----|------------|---------|------------------------------|
| | | | |
| | | | |
| | | | |

THIS DRAWING AND BILL OF MATERIAL REPRESENTS THE ENTIRE CONTENT OF THERMAFLO'S SCOPE OF SUPPLY. THERMAFLO MAKES NO OTHER REPRESENTATION OF ADDITIONAL ITEMS, VALVES, OR EQUIPMENT OTHER THAN WHAT IS LISTED AND SHOWN HERE.

THIS DRAWING AND INFORMATION THEREON ARE THE PROPERTY OF: THERMAFLO INCORPORATED AND SHALL NOT BE USED OR DISCLOSED, EXCEPT IN ACCORDANCE WITH PRIOR WRITTEN APPROVAL.