

# SUBMITTAL SHEET

JOB NAME \_\_\_\_\_

LOCATION \_\_\_\_\_

ARCH./ENGR. \_\_\_\_\_

WHOLESALER \_\_\_\_\_

MECH. CONTRACTOR \_\_\_\_\_

MODEL NO. \_\_\_\_\_ GAS TYPE \_\_\_\_\_

BTU/HR INPUT \_\_\_\_\_ BTU/HR OUTPUT \_\_\_\_\_

NOTES \_\_\_\_\_

## Standard Equipment

### Complete Bid Spec:

- 96.0% Thermal Efficiency
- Vertical firetube design
- 100% stainless steel heat exchanger and shell
- 10:1 Turn down on all models
- Natural gas/propane
- 160 psi working pressure
- Installation and service ease
- Low NOx emissions
- Full line of venting options
- 7" Color touchscreen Nuro Controller with Nuro Connect remote monitoring
- "Door-Fit" design
- Corrosion protection/resistance solution
- Weil-McLain reliability

### Improved Efficiency

Featuring an alternating opposed indentation firetube geometry, the SVF 100% stainless steel heat exchanger provides greater surface area for optimized heat transfer and operating efficiency.

### Effortless Control

- Nuro control system combines advanced diagnostics with intuitive, user-friendly design.
- Built-in set-up wizard makes every install simple, straightforward and customizable
- Up to 8 boiler sequencing to meet a wide range of system demands

### Corrosion-Resistance and Longevity

Durability is built into every Weil-McLain boiler and the SVF series is no different. Multiple advances in anti-corrosion technology virtually guarantee long lasting, reliable heat exchanger performance.

- 316 stainless steel heat exchanger and shell
- Vertical firetube design
- Serviceable, integrated condensate tray
- Industrial-grade, steel frame and jacket panels

### Installation ease

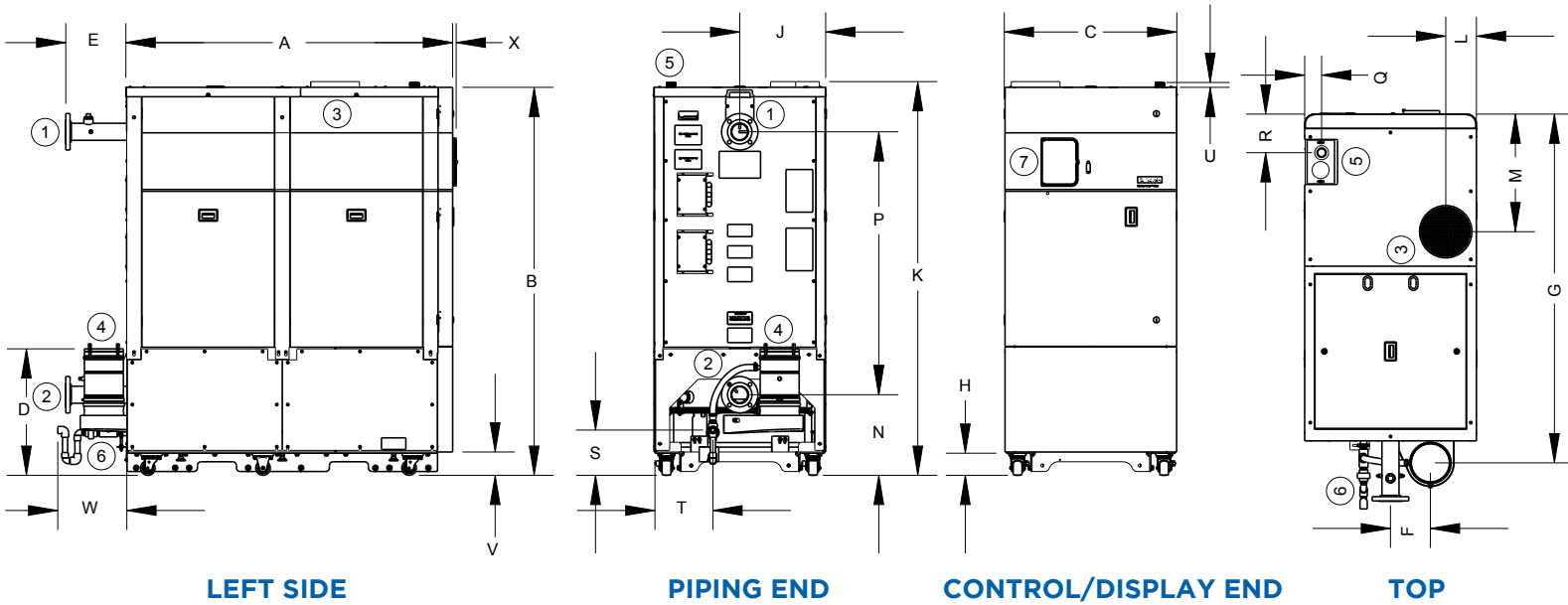
- The new SVF boiler streamlines set-up and installation, saving time, labor and money
- Fast removal shipping crate with integral ramp design
- Heavy-duty roller casters — no forklift requirements
- Industrial grade leveling legs
- Counter-balanced and hinged cover plate design

### No-hassle Maintenance

- Easy maintenance is another hallmark of the SVF series. Service calls are stress-free for any trained Weil-McLain technician
- Hinged cover plate allows for quick access to burner and firetubes
- Simple heat exchanger wash-down
- No side access required for service
- Convenient and fast jacket panel removal



# Dimensions and Product Specifications



| Model No. | A  | B      | C      | D        | E        | F       | G       | H     | J      | K       | L      | M      | N       | P        | Q     | R       | S     | T      | U     | V       | W       | X   |
|-----------|----|--------|--------|----------|----------|---------|---------|-------|--------|---------|--------|--------|---------|----------|-------|---------|-------|--------|-------|---------|---------|-----|
| 1500/2000 | 67 | 79 5/8 | 3 3/8  | 25 15/16 | 12 5/16  | 8 3/16  | 71 1/16 | 4 1/2 | 17 5/8 | 80 3/4  | 6 5/16 | 24 1/8 | 16 1/2  | 53 15/16 | 3 1/2 | 7 15/16 | 9 1/4 | 11 7/8 | 1     | 4 13/16 | 14 3/16 | 3/4 |
| 2500/3000 | 67 | 79 5/8 | 35 3/8 | 25 15/16 | 14 15/16 | 8 13/16 | 72 1/16 | 4 1/2 | 17 5/8 | 80 3/16 | 6 3/4  | 22 1/4 | 16 5/16 | 53 15/16 | 3 1/4 | 11 1/2  | 8 1/4 | 10 1/4 | 15/16 | 4 13/16 | 14 5/16 | 3/4 |

| Model No. | Max Input (MBH) | Min Output (MBH) | Minimum Thermal Efficiency | Combustion Efficiency | Max Pressure (psi) | Turn Down | Water Conn | Gas Conn    | Vent Diameter | Length   | Width†  | Height  | Approx. Shipping Weight |
|-----------|-----------------|------------------|----------------------------|-----------------------|--------------------|-----------|------------|-------------|---------------|----------|---------|---------|-------------------------|
| SVF 1500  | 1500            | 1440             | 96.0%                      | ---                   | 160                | 10:1      | 3" Flange  | 1 1/2" FNPT | 8"            | 79 5/16" | 35 3/8" | 80 3/4" | 2500                    |
| SVF 2000  | 2000            | 1920             | 96.0%                      | ---                   | 160                | 10:1      | 3" Flange  | 1 1/2" FNPT | 8"            | 79 5/16" | 35 3/8" | 80 3/4" | 2500                    |
| SVF 2500  | 2500            | 2400             | 96.0%                      | ---                   | 160                | 10:1      | 3" Flange  | 2" FNPT     | 10"           | 79 5/16" | 35 3/8" | 80 3/4" | 2700                    |
| SVF 3000  | 3000            | 2880             | 96.0%                      | 96.2%                 | 160                | 10:1      | 3" Flange  | 2" FNPT     | 10"           | 79 5/16" | 35 3/8" | 80 3/4" | 2700                    |

\*\*Turn down ratios for natural gas, refer to engineering tech data for propane. †34 3/4" with easy removal of jacket side panels.

## Industry Leading Efficiency

- 96.0% Thermal Efficiency
- ASME Certified Stainless Steel Firetube Heat Exchanger and Shell
- Alternating, Opposed Indentation Firetube Geometry for Maximum Heat Transfer
- 160 psi Working Pressure
- 30 psi Relief Valve

## Modulating, Low Emissions Burner Design

- Natural Gas
- 10:1 Turn Down
- Low Gas Pressure Operation
- Direct Spark Ignition
- Variable Speed Blower Assembly
- Intake Combustion Air Filter
- Negative Pressure Regulated Gas Valve
- 50 VA Transformer
- Temperature & Pressure Gauge
- Outdoor Temp. Sensor
- Outlet & Inlet Water Temp. Sensor
- Flue Gas Temp. Sensor
- System Water Temp. Sensors
  - Immersion Style—Supply & Return

## Venting Options

- Direct Exhaust—Vertical (CAT II)
- Direct Vent—Sidewall, Vertical, & Side Intake with Vertical Exhaust (CAT IV)
- Direct Exhaust—Vertical (CAT IV)

## Complete Jacket Assembly

- Fully Removable Jacket
- Rugged, Steel Frame & Panels

## Easy Install/Serviceability

- Easy Set-up with Control Wizard
- SVF 1500/2000 - 120V/1Ph/60Hz
- SVF 2500/3000 - 240V/3Ph/60Hz
- SVF 2500/3000 - 480V/3Ph/60Hz
- Industrial-Grade Roller Casters and Leveling Legs
- Shipping Crate Ramp
- Hinged Cover Plate
- Stainless Steel Burner with Woven Fiber Mesh
- Removable, Stainless Steel Condensate Tray
- Single-Point Installation
  - All Field Connections (Excludes Gas/Front) Out Back of Boiler

## Enhanced Controls Specification

- 7" Color Touchscreen
  - Two USB Ports - Charging and Mouse Capable
  - One Ethernet Port
  - One BMX Modbus RTU Port
  - One Boiler Cascade Port
- ## Control Features
- Setup Wizard provides guided setup for virtually all applications
  - Real time visual alarms with diagnostics and troubleshooting tips
  - "Black Box" error trending providing performance data 10 minutes before and after error

- User selectable control algorithms allow for customized PID
- Upgradeable software through USB
- Import and export parameters allow for copying complex parameters to other boilers and restoring settings
- Fully customizable night setback with relay for BMS and onboard 7 day schedule
- Outdoor air setpoint (ODA curve)
- Virtual technician with help buttons on all parameters
- CH and DHW priority mode to alternate between or simultaneously meet CH and DHW demands
- Customizable info screen for adding or removing information
- Screen shots capture current screen picture
- Setpoint boost for temporary "boosting" of setpoint
- Set relays to activate once every set time period with Relay Exercise

## CSD-1 Compliant

- Manual Reset LWCO
- Manual Reset High & Low Gas Pressure Switches
- UL 353 Certified High Limit Control with Manual Reset
- UL 353 Certified Operating Control

## Non-Pro-Rated Warranty

- 10 Year Heat Exchanger Warranty
- 2 Year Parts Warranty

## Optional Equipment

- Pressure Relief Valve—50/80/100/150 psi
- System Water Temp. Sensors
  - Strap-On—Supply & Return
- BacNet or LonWorks Converter Kit
- Annual Maintenance Kit
- Corrosion Inhibitor
- Condensate Neutralizer Kit
- Anti-Freeze

## Boiler Certifications

- ASME IV, CSA, AHRI
- SCAQMD
- Commercial Energy Star

*In the interest of continual improvements in product and performance, Weil-McLain reserves the right to change specifications without notice.*

**Weil-McLain offers BIM-Revit product content to help architects, engineers and contractors design projects accurately and efficiently.**



**WEIL-McLAIN®**

Weil-McLain.com