

# 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:

- Up to 96.8% Thermal Efficiency AHRI Certified\*
- Industry-leading efficiency\*
- Vertical firetube design
- 100% stainless steel heat exchanger and shell
- Up to 10:1 turn down ratio\*
- Natural gas/propane
- 160 psi working pressure
- Installation and service ease
- Low NOx emissions
- Full line of venting options
- Unity™ user-friendly and system compatible controls
- "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 a greater surface area for heat and ensures maximum thermal efficiency.

### Effortless Control

- Unity™ control combines advanced technology 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
- Common control logic communicates with Weil-McLain Evergreen, SlimFit and SVF boilers (70–3000 MBH)

### 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
- Unit fits through any standard-size door
- Heavy-duty roller casters—no forklift requirements
- Industrial grade leveling legs
- Counter-balanced and hinged cover plate design
- Zero-clearance boiler-room capable

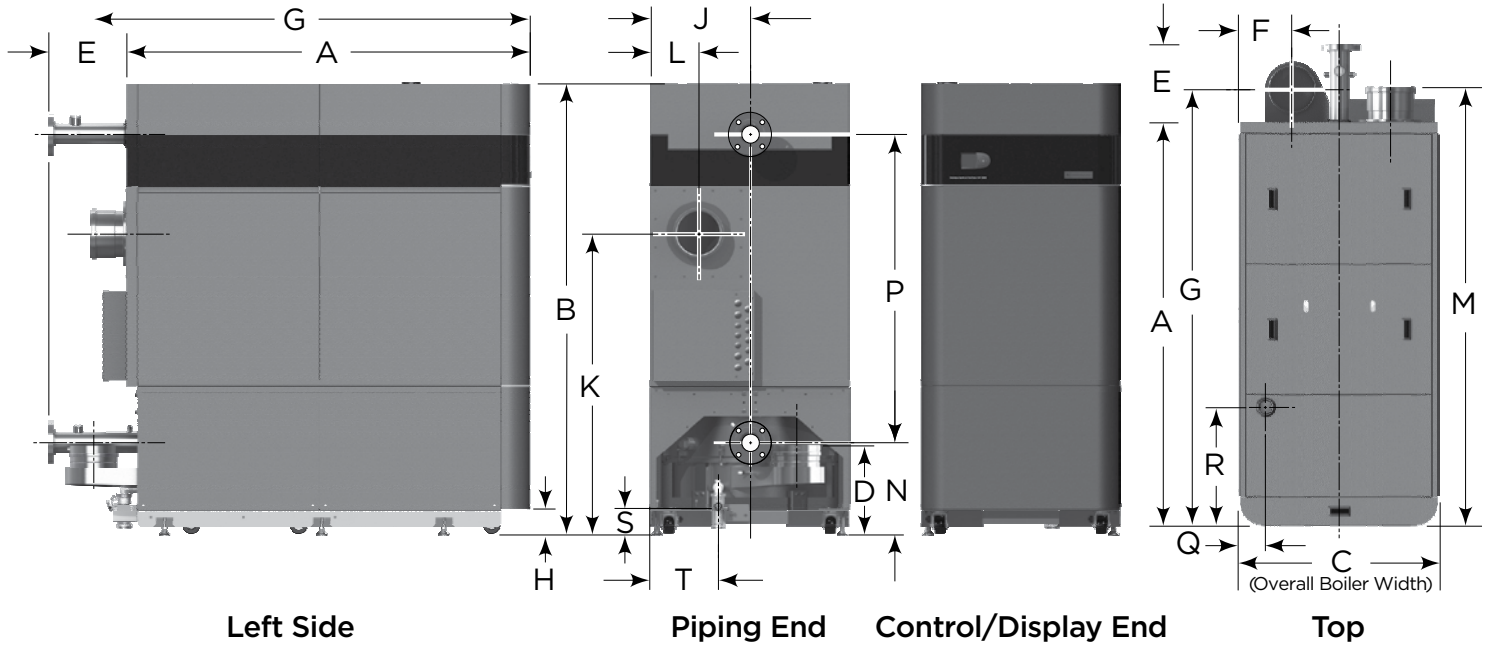
### No-hassle Maintenance

- 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



\*model dependent

# Dimensions and Product Specifications



Model No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T
1500/2000	70 <sup>1</sup> / <sub>16</sub> "	79"	35 <sup>1</sup> / <sub>8</sub> "	15 <sup>5</sup> / <sub>8</sub> "	13 <sup>3</sup> / <sub>8</sub> "	9 <sup>1</sup> / <sub>4</sub> "	76 <sup>1</sup> / <sub>16</sub> "	4 <sup>1</sup> / <sub>2</sub> "	17 <sup>3</sup> / <sub>8</sub> "	52 <sup>1</sup> / <sub>16</sub> "	8 <sup>3</sup> / <sub>8</sub> "	76 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>4</sub> "	53 <sup>1</sup> / <sub>16</sub> "	4 <sup>7</sup> / <sub>16</sub> "	20 <sup>3</sup> / <sub>4</sub> "	4 <sup>1</sup> / <sub>16</sub> "	11 <sup>1</sup> / <sub>16</sub> "
2500/3000	70 <sup>1</sup> / <sub>16</sub> "	79"	35 <sup>1</sup> / <sub>8</sub> "	15 <sup>5</sup> / <sub>8</sub> "	16 <sup>1</sup> / <sub>4</sub> "	8 <sup>5</sup> / <sub>8</sub> "	77 <sup>1</sup> / <sub>16</sub> "	4 <sup>1</sup> / <sub>2</sub> "	17 <sup>3</sup> / <sub>8</sub> "	52 <sup>1</sup> / <sub>16</sub> "	8 <sup>3</sup> / <sub>8</sub> "	76 <sup>1</sup> / <sub>16</sub> "	16 <sup>1</sup> / <sub>4</sub> "	53 <sup>1</sup> / <sub>16</sub> "	4 <sup>7</sup> / <sub>16</sub> "	20 <sup>3</sup> / <sub>4</sub> "	4"	10 <sup>1</sup> / <sub>4</sub> "

(height dimensions based on 4 1/4" spacing from floor to bottom)

Model No.	AHRI Thermal Efficiency	AHRI Combustion Efficiency	Max Pressure (psi)	Max Input (MBH)	Gross Output (MBH)	Net AHRI Rating (MBH)	Turn Down	Water Conn	Gas Conn	Air/Intake Vent Size (Diameter)	Length	Width†	Height	Shipping Weight (lbs)
SVF 1500	96.5%	-	160	1500	1448	1259	7.5:1**	3" Flange	2" FNPT	8"	84.4"	35.2"	79.3"	2,445
SVF 2000	96.2%	-	160	1999	1923	1672	10.1:**	3" Flange	2" FNPT	8"	84.4"	35.2"	79.3"	2,445
SVF 2500	96.8%	-	160	2499	2419	2104	8.3:1	3" Flange	2" FNPT	10"	87.0"	35.2"	79.3"	2,650
SVF 3000	-	95.8%	160	3000	2874	2499	10:1	3" Flange	2" FNPT	10"	87.0"	35.2"	79.3"	2,650

\*\*Turn down ratios for natural gas, refer to engineering tech data for propane.

†34 1/4" with easy removal of jacket side panels.

## Industry Leading Efficiency

- Up to 96.8% 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 or Propane
- Up to 10:1 Turndown Ratio\*
- Low Gas Pressure Operation
- Direct Spark Ignition
- Variable Speed Blower Assembly
- Swirl Plate Enhanced Venturi Mixing System
- 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)

\*model dependent

## Complete Jacket Assembly

- Fully Removable Jacket
- Rugged, Steel Frame & Panels

## Easy Install/Serviceability

- Easy Set-up with Control Wizard
- Industrial-Grade Roller Casters and Leveling Legs
- Shipping Crate Ramp
- Hinged Cover Plate
- "Door-Fit" Design
- Zero-Clearance to Combustibles
- 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

## Multiple Boiler Features

- Up to 8 Boilers, Multiple System functionality with Lead/Lag Capability
- Series, Parallel, or SmartSequencing™
- Lead Boiler Rotation
- Variable Primary Flow Design Capable
- (3) Boiler Priorities Capability—Either (2) Network and (1) Local or (1) Network and (2) Local
- (24) Zone Inputs and Outputs with (8) Total Cascaded Boilers via Zone Stacking™
- Aux Inputs—Flow Switch, End Switch, Etc.
- System Aux Outputs—System Pump or Damper

## Control Features

- SVF 1500/2000—120V/1Ph/60Hz
- SVF 2500/3000—208V/3Ph/60Hz
- Manual Reset Push Button through Display
- Operating Status Color LCD Display
- Preset Operating Parameters Including Typical Heating Systems
- Configurable Outdoor Reset
- Rate Setting for Each Input/Output
- Standard Modbus Connectivity
- Additional Heat Demand Functionality
- Contact with 0-10V Output
- Labeled Terminal Blocks for Field Terminations
- Ignition Control
- High Limit & Modulating Temp. Control
- Alarm Control Functionality
- Onboard Time & Date
- Low Water Cut-Off—Manual Reset
- Warm Weather Shutdown
- Freeze Protection
- Boiler Service Interval & Contractor Info

## 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.**



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