

SVF™ | STAINLESS
VERTICAL
FIRETUBE

Firetube performance, perfected.



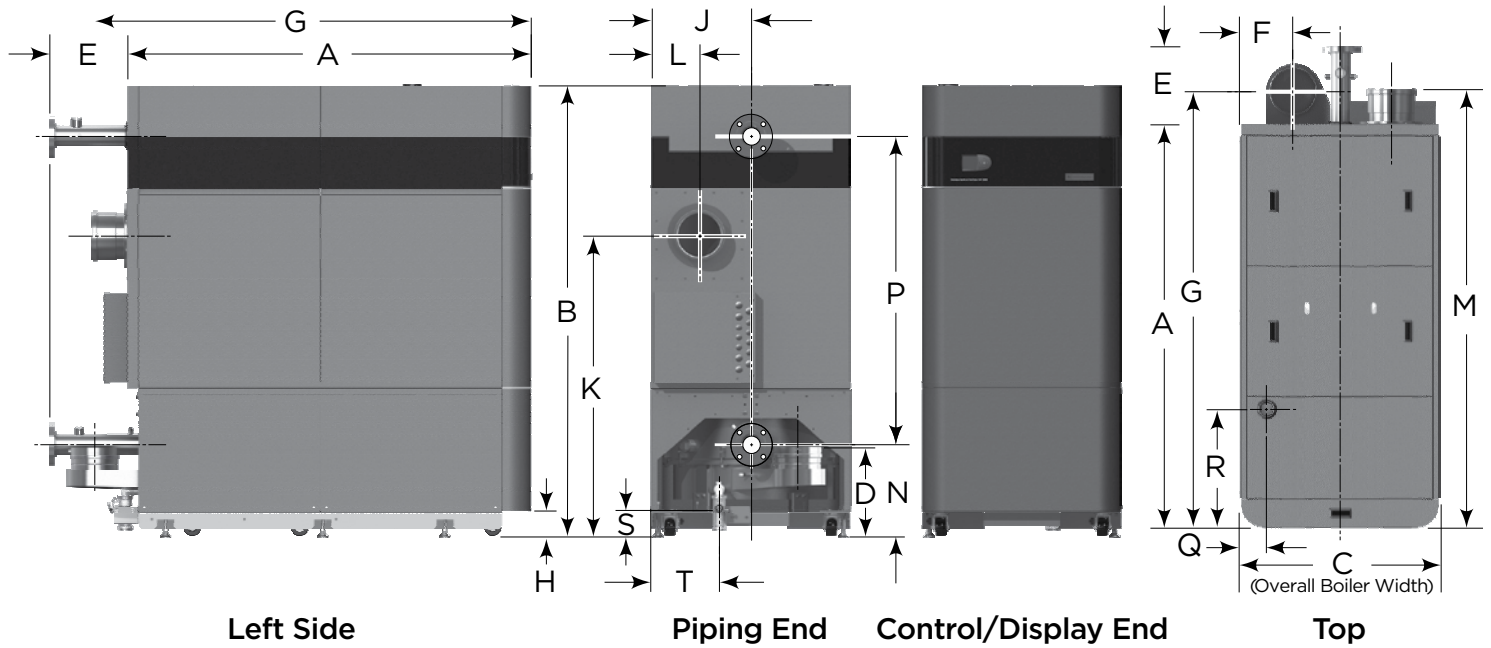
Expanding the power of stainless: Our state-of-the-art 1500–3000 MBH firetube boiler.

The SVF 1500–3000 Stainless Vertical Firetube line delivers industry-leading efficiency and reliability through the use of the highest quality materials and cutting edge design. This powerful boiler is ideal for schools and municipal buildings, meets all standard bid specs for new construction projects and is ideal for hybrid applications and replacement boilers needs.

- Industry-leading thermal efficiency up to 96.8%
- Vertical, stainless steel heat exchanger
- Available in 4 sizes: 1500/2000/2500/3000 MBH
- Water boiler with natural gas and propane fuel options
- 160 psi working pressure
- Up to 10:1 turn down ratio
- Easy access, serviceable stainless steel condensate tray
- Integrated roller casters and leveling legs for contractor-friendly installation
- Standard “door-fit” design
- Zero clearance, side-by-side installation capable
- Hinged cover plate for quick access to burner and firetubes for time-saving preventive maintenance
- Advanced Unity™ control system (70–3000 MBH compatibility) with built-in set-up wizard
- Weil-McLain built-to-last reliability and longevity



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 ¹¹ / ₁₆ "	79"	35 ¹ / ₈ "	15 ³ / ₈ "	13 ³ / ₈ "	9 ¹ / ₄ "	76 ¹ / ₁₆ "	4 ¹ / ₂ "	17 ³ / ₈ "	52 ¹ / ₁₆ "	8 ³ / ₈ "	76 ¹ / ₁₆ "	16 ¹ / ₄ "	53 ¹ / ₁₆ "	4 ⁷ / ₁₆ "	20 ³ / ₄ "	4 ¹ / ₁₆ "	11 ¹ / ₁₆ "
2500/3000	70 ¹¹ / ₁₆ "	79"	35 ¹ / ₈ "	15 ³ / ₈ "	16 ¹ / ₄ "	8 ⁵ / ₈ "	77 ¹ / ₁₆ "	4 ¹ / ₂ "	17 ³ / ₈ "	52 ¹ / ₁₆ "	8 ³ / ₈ "	76 ¹ / ₁₆ "	16 ¹ / ₄ "	53 ¹ / ₁₆ "	4 ⁷ / ₁₆ "	20 ³ / ₄ "	4"	10 ¹ / ₄ "

(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
- 0-10V Input (Modulation or Set Point)
- 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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