

**SVF**<sup>™</sup> | STAINLESS  
VERTICAL  
FIRETUBE

## Firetube performance, perfected.



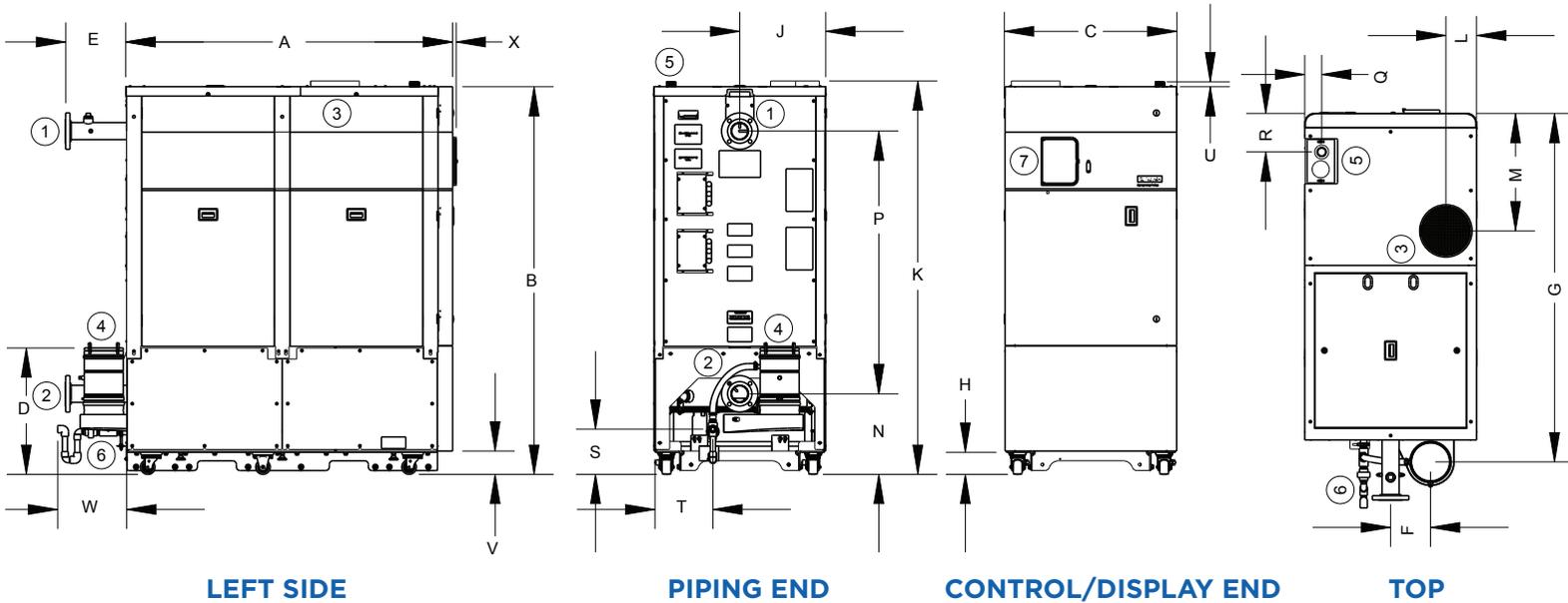
## Expanding the power of stainless: Our state-of-the-art 1500–3000 MBH firetube boiler.

The SVF 1500-3000 Stainless Vertical Firetube line combines the highest quality materials and cutting edge design with the advanced Nuro Controller to ensure optimized efficiency and reliability. This powerful boiler is ideal for schools and municipal buildings, meets all standard bid specs for new construction projects and replacement boiler needs.

- 96.0% Thermal Efficiency
- Vertical, stainless steel heat exchanger
- Available in 4 sizes: 1500/2000/2500/3000 MBH
- Water, natural gas boiler
- 160 psi working pressure
- 10:1 turn down ratio on all models
- Easy access, serviceable stainless steel condensate tray
- Integrated roller casters and leveling legs for contractor-friendly installation
- Hinged cover plate for quick access to burner and firetubes for time-saving preventive maintenance
- Advanced Nuro controller with 7" color touchscreen, quick set-up wizard and Nuro Connect remote monitoring
- 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	U	V	W	X
1500/2000	67	79 3/8"	35 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 3/8"	35 3/8"	25 15/16"	14 15/16"	8 13/16"	72 1/16"	4 1/2"	17 5/8"	80 9/16"	6 3/4"	22 1/4"	16 9/16"	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	Air Intake/Exhaust Vent Diameter	Length	Width†	Height	Approx. Shipping Weight
SVF 1500	1500	1440	96.0%	---	160	10:1	3" Flange	1 1/2" FNPT	10"/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	10"/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"/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"/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 3/8" 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 - 240V/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.*

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