

SVF[™] | STAINLESS
VERTICAL
FIRETUBE

Firetube
performance,
perfected.



Expanding the power of stainless: Our state-of-the-art 1000 MBH firetube boiler.

The SVF 1000 Stainless Vertical Firetube 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.

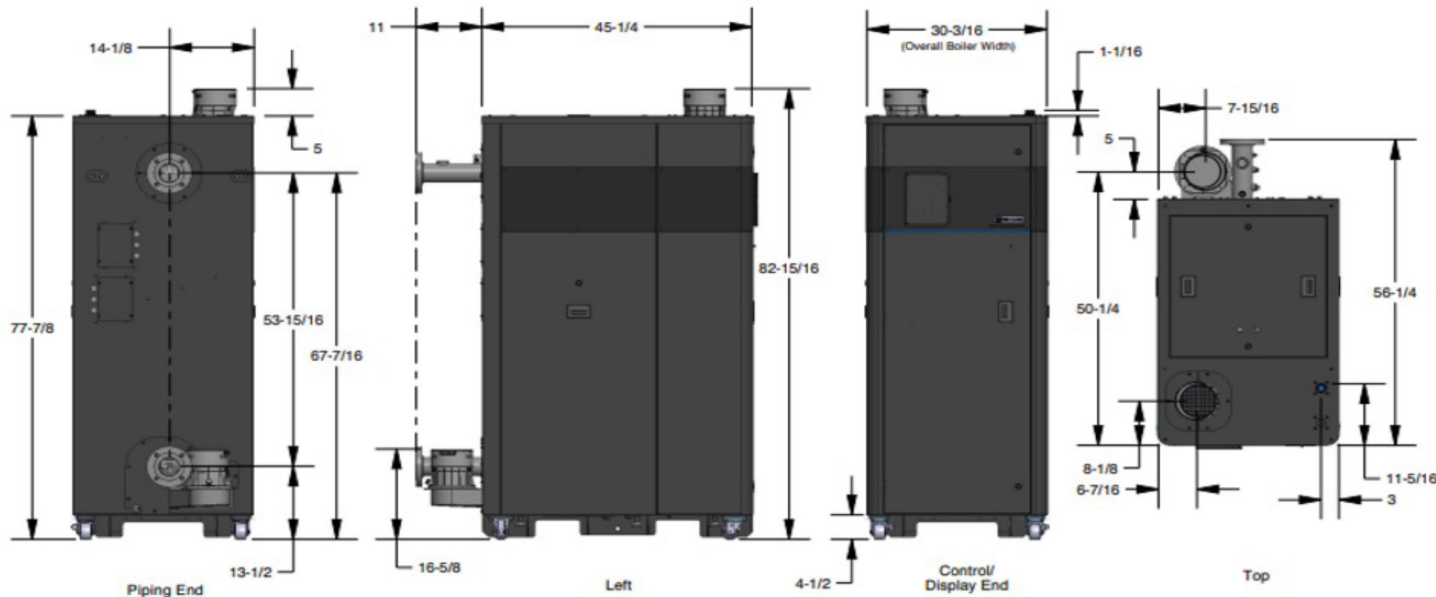
- 96.5% minimum thermal efficiency
- Vertical, stainless steel heat exchanger
- 1000 MBH heating capacity
- Water boiler, natural gas applications
- 160 psi working pressure
- 10:1 turn down ratio
- Integrated roller casters and leveling legs for contractor-friendly installation
- Compact footprint for optimized boiler room floor space
- Zero clearance, side-by-side installation capable
- Quick install 3-in-1 intake and exhaust vent flue adaptors
- 7" Color touchscreen control interface with powerful maintenance and diagnostics logic
- Weil-McLain built-to-last reliability and longevity



Solutions that Matter[™]

www.weil-mclain.com

SVF 1000 Dimensions and Product Specifications



Model No.	Minimum Thermal Efficiency	Max Pressure (psi)	Max Input (MBH)	Turn Down	Water Volume (gal)	Water Conn	Gas Conn	Air/Intake Vent Size (Diameter)	Length	Width	Height	Shipping Weight
SVF 1000	96.5%	160	1000	10:1	77	3"	1-1/4"	6"	56 1/4"	30 3/16"	78 3/16"	1750 Lbs

Industry Leading Efficiency

- 96.5% Thermal Efficiency
- ASME Certified Stainless Steel Firetube Heat Exchanger and Shell
- Advanced Design Firetube Geometry with Robotic Weldments for Maximum Heat Transfer and Reliability

Standard Features

- Natural Gas
- 10:1 Turndown
- 160 psi Working Pressure
- 30 psi Relief Valve
- Low Gas Pressure Operation
- Direct Spark Ignition
- Variable Speed Blower Assembly
- Air-Fuel Venturi Mixing System
- Negative Pressure Regulated Gas Valve
- 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
- Industrial-Grade Roller Casters and Leveling Legs
- Shipping Crate Ramp
- "Door-Fit" Design
- Zero-Clearance to Combustibles
- Stainless Steel Burner with Woven Fiber Mesh
- 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 delays 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, Commercial Energy Star, SCAQMD

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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