

SVF[™] | STAINLESS
VERTICAL
FIRETUBE

Firetube
performance,
perfected.



Expanding the power of stainless: Our state-of-the-art 725–850 MBH firetube boiler.

SVF 725-850 Stainless Steel Vertical Firetube models deliver reliable, ultra-efficient heating solutions through the use of the highest quality materials and cutting edge design. These powerful new boilers are ideal for multi-family home, school, municipal and light commercial heating projects.

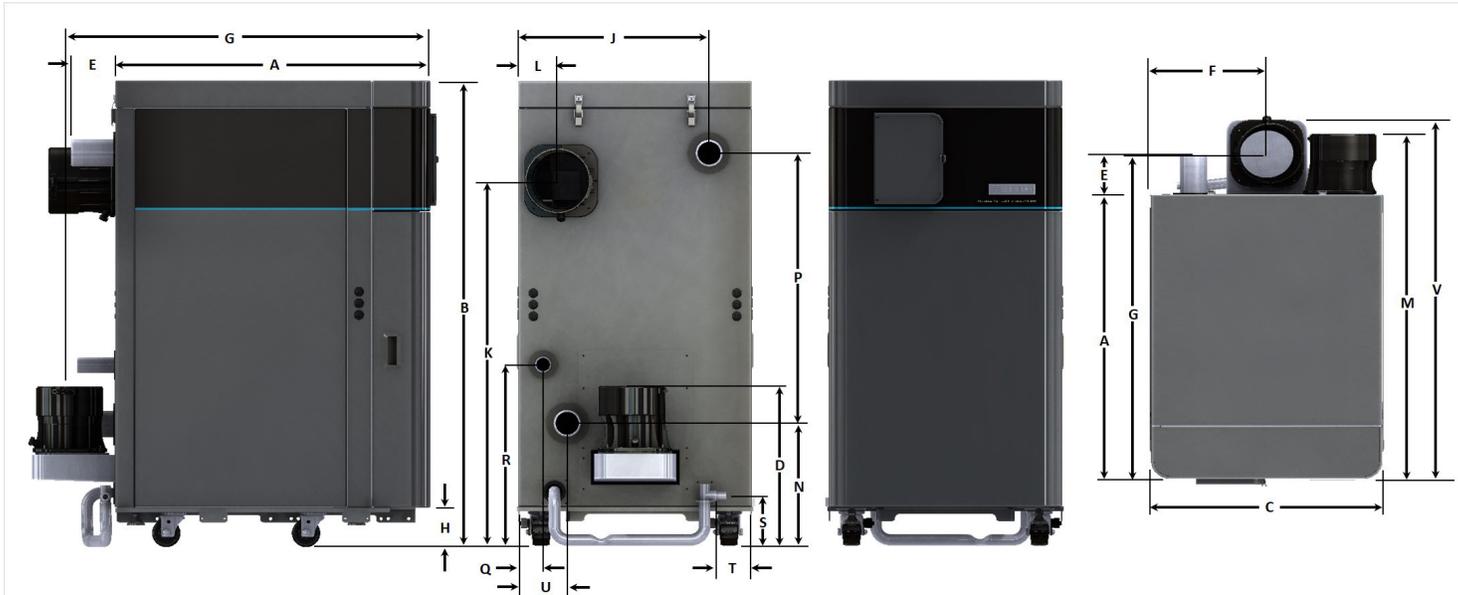
- 97.7% minimum thermal efficiency
- Vertical, stainless steel heat exchanger
- Available in 725 and 850 MBH sizes
- Water boiler, natural gas applications
- 160 psi working pressure
- Up to 12:1 turn down ratio
- Integrated roller casters and leveling legs for contractor-friendly installation
- Compact 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 diagnostic logic
- Weil-McLain built-to-last reliability and longevity



Solutions that Matter[™]

www.weil-mclain.com

SVF 725-850 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
SVF 725 850	33-3/8"	49-13/16"	24-7/8"	17-1/16"	4-3/4"	12-1/16"	38-3/16"	4-4/16"	20-5/16"	39-3/16"	4-9/16"	42-1/8"	13-3/16"	29"	2-5/8"	19-1/2"	5-3/8"	3-13/16"	5-1/4"	42-3/16"

Model No.	Minimum Thermal Efficiency	Max Pressure (psi)	Max Input (MBH)	Max output (MBH)	Turn Down	Water Volume (gal)	Water Conn	Gas Conn	Air/Intake Vent Size	Length	Width	Height	Shipping Weight
SVF 725	97.7%	160	725	708	10:1	16.5	2-1/2"	1-1/4"	6"	42 3/16"	24 7/8"	49 14/16"	675 lbs
SVF 850	97.5%	160	850	829	12:1	16.5	2-1/2"	1-1/4"	6"	42 3/16"	24 7/8"	49 14/16"	675 lbs

Industry Leading Efficiency

- Up to 97.7% 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
- Up to 12:1 Turndown Ratio*
- 160 psi Working Pressure
- 30 psi Relief Valve
- Low Gas Pressure Operation
- Direct Spark Ignition
- Variable Speed Blower Assembly
- 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 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 Certification

- 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.

*model dependent



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