

SUBMITTAL SHEET

JOB NAME _____

LOCATION _____

ARCH./ENGR. _____

WHOLESALER _____

MECH. CONTRACTOR _____

MODEL NO. _____ GAS TYPE _____

BTU/HR INPUT _____

NOTES _____

Standard Equipment

Complete Bid Spec:

- Up to 97.7% Thermal Efficiency AHRI Certified*
- Industry-leading efficiency
- Counter-flow firetube design
- 100% stainless steel heat exchanger and shell
- Up to 12:1 turn down ratio*
- Natural gas
- 160 psi working pressure
- Installation and service ease
- Low NOx emissions
- Full range of venting options
- User friendly controls with advanced diagnostics
- "Door-Fit" design
- Weil-McLain reliability

Improved Efficiency

Advanced design 100% stainless steel heat exchanger with robotic welds provides greater surface area to for maximum heat transfer and ensured reliability.

Enhanced Controls Specification

- 7" Color touchscreen
- Two USB ports—charging and mouse compatible
- One Ethernet port
- One BMX Modbus RTU port
- One boiler cascade port which enables up to 32 boiler system control

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
- Industrial-grade, steel frame and jacket panels

Installation Ease

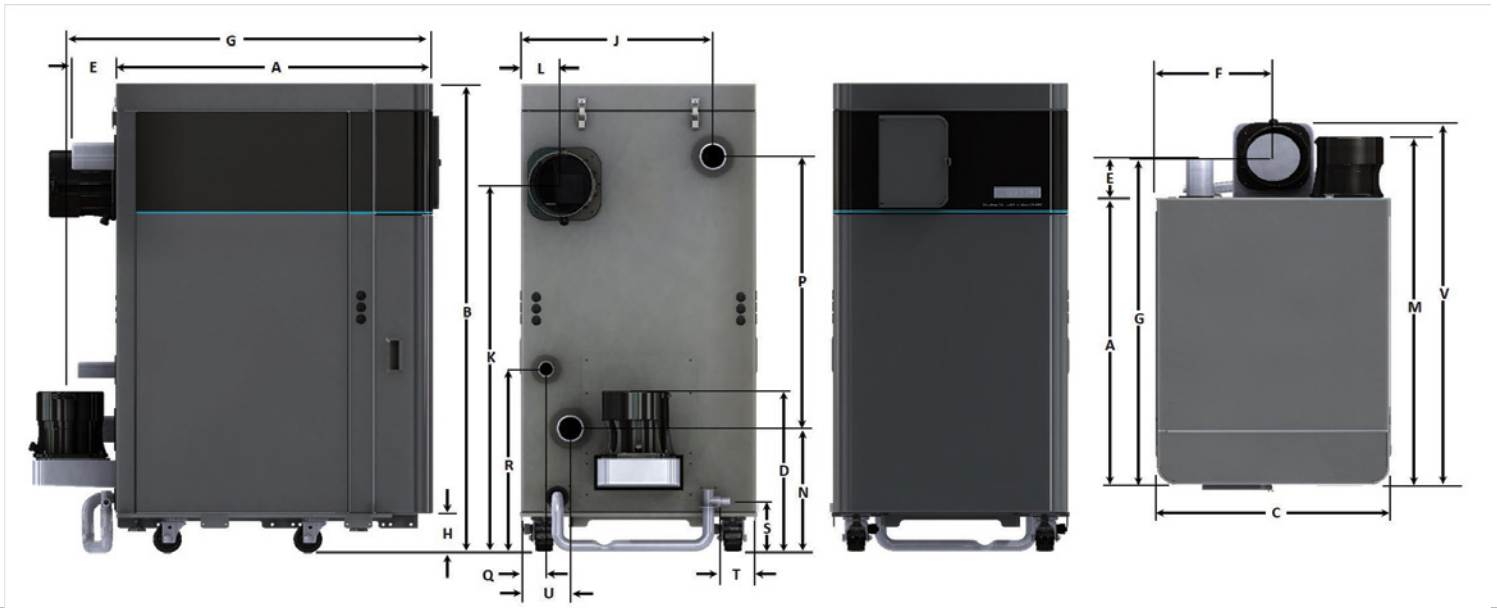
- The new SVF boiler streamlines set-up and installation, saving time, labor and money
- Fast removal shipping crate with integral ramp design
- Unit fits through any standard-size door
- Heavy-duty roller casters — no forklift requirements
- Industrial grade leveling legs
- Zero-clearance boiler-room capable

No-hassle Maintenance

- Easy maintenance is another hallmark of the SVF series. Service calls are stress-free for any trained Weil-McLain technician
- Quick access/removal cover plate allows for quick burner and firetubes inspection
- Simple heat exchanger wash-down
- No side access required for service
- Convenient and fast jacket panel removal



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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