

SUBMITTAL SHEET

JOB NAME _____

LOCATION _____

ARCH./ENGR. _____

WHOLESALER _____

MECH. CONTRACTOR _____

MODEL NO. _____ GAS TYPE _____

BTU/HR INPUT _____

NOTES _____

Standard Equipment

Complete Bid Spec:

- 96.5% Thermal Efficiency AHRI Certified*
- Industry-leading efficiency
- Counter-flow firetube design
- 100% stainless steel heat exchanger and shell
- 10:1 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

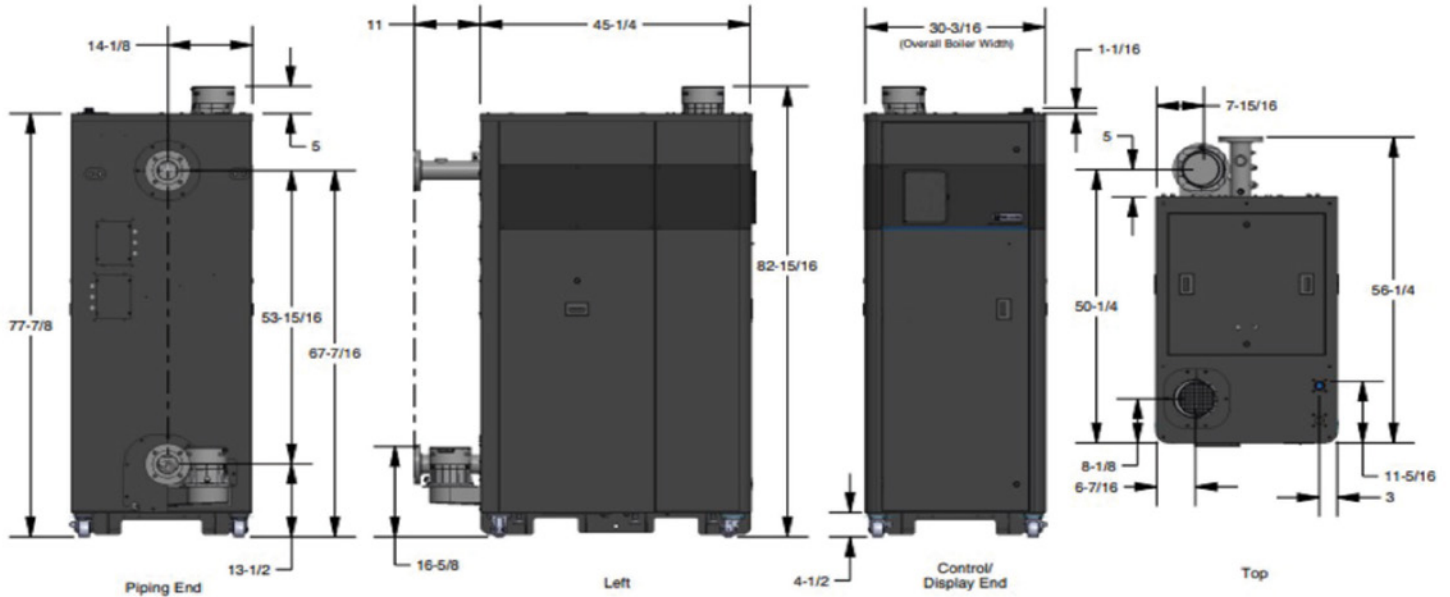
No-hassle Maintenance

- 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 1000

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 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, 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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