

SUBMITTAL SHEET

JOB NAME _____

LOCATION _____

ARCH./ENGR. _____

WHOLESALER _____

MECH. CONTRACTOR _____

MODEL NO. _____ GAS TYPE _____

BTU/HR INPUT _____ BTU/HR OUTPUT _____

NOTES _____

Standard Equipment

Complete Bid Spec:

- 96.0% Thermal Efficiency
- Vertical firetube design
- 100% stainless steel heat exchanger and shell
- 10:1 Turn down on all models
- Natural gas/propane
- 160 psi working pressure
- Installation and service ease
- Low NOx emissions
- Full line of venting options
- 7" Color touchscreen Nuro Controller with Nuro Connect remote monitoring
- "Door-Fit" design
- Corrosion protection/resistance solution
- Weil-McLain reliability

Improved Efficiency

Featuring an alternating opposed indentation firetube geometry, the SVF 100% stainless steel heat exchanger provides greater surface area for optimized heat transfer and operating efficiency.

Effortless Control

- Nuro control system combines advanced diagnostics with intuitive, user-frinedly design.
- Built-in set-up wizard makes every install simple, straightforward and customizable
- Up to 8 boiler sequencing to meet a wide range of system demands

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
- Serviceable, integrated condensate tray
- Industrial-grade, steel frame and jacket panels

Installation ease

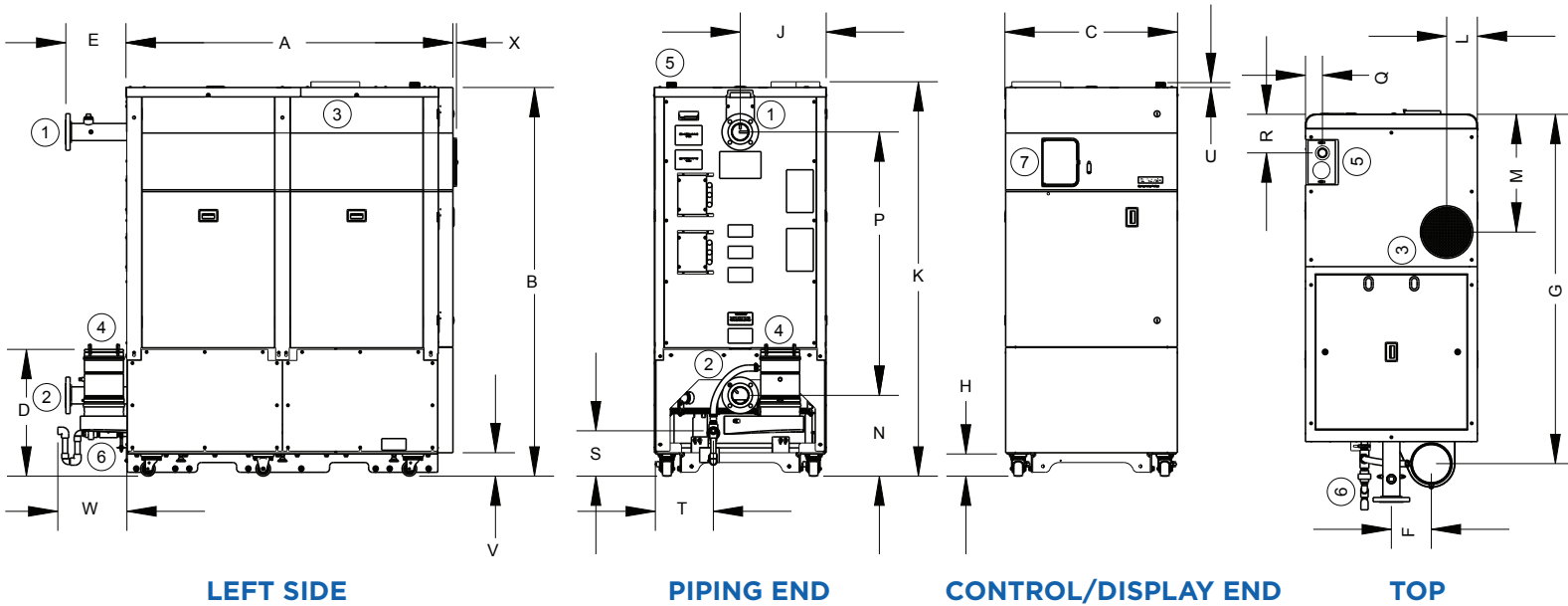
- The new SVF boiler streamlines set-up and installation, saving time, labor and money
- Fast removal shipping crate with integral ramp design
- Heavy-duty roller casters — no forklift requirements
- Industrial grade leveling legs
- Counter-balanced and hinged cover plate design

No-hassle Maintenance

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



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"	3 3/8"	25 15/16"	12 3/16"	8 3/16"	71 1/16"	4 1/2"	17 3/8"	80 3/4"	6 3/16"	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 3/8"	80 3/8"	6 3/4"	22 1/4"	16 3/16"	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 3/8"	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 3/8"	35 3/8"	80 3/4"	2500
SVF 2500	2500	2400	96.0%	---	160	10:1	3" Flange	2" FNPT	10"/10"	79 3/8"	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 3/8"	35 3/8"	80 3/4"	2700

††Turn down ratios for natural gas, refer to engineering tech data for propane.

†34 1/2" 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.

Weil-McLain offers BIM-Revit product content to help architects, engineers and contractors design projects accurately and efficiently.



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