

Firetube performance, perfected.

SVF™ | STAINLESS
VERTICAL
FIRETUBE

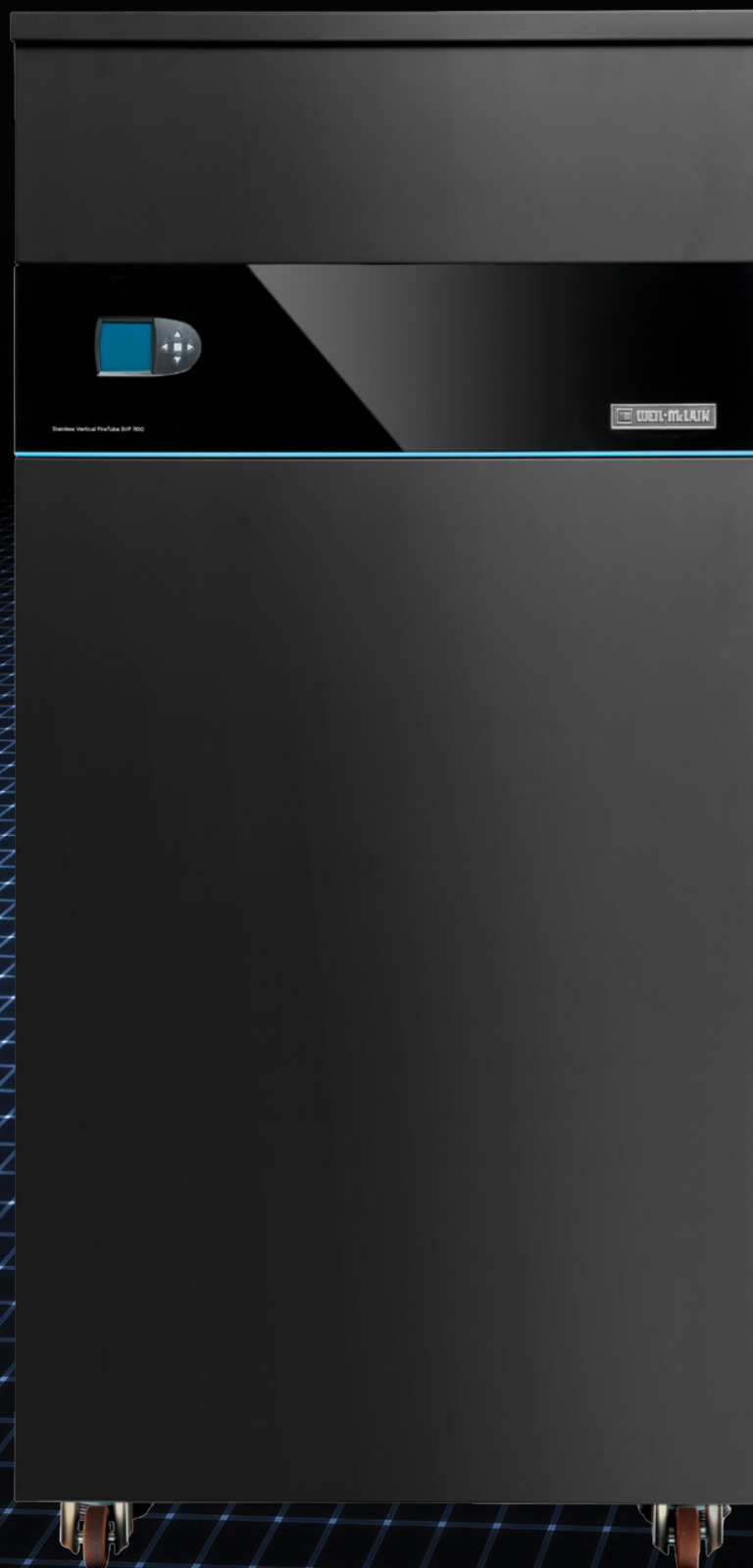
Industry-leading thermal efficiency up to 97.1%

Stainless steel firetube heat exchanger

Advanced *Unity™* control

Easy to install and service

Weil-McLain reliability



Firetube performance, perfected.

The latest in thermal heating technology unifies leading-edge efficiency, control and durability in one complete package. For boiler replacement or new construction, the Weil-McLain SVF 750-1100 firetube commercial boilers satisfies even the most demanding bid specs.

The complete bid spec

Who says you can't have it all? Uniquely designed to cover all the necessary bid specs for replacement and new construction.

- ASME Certification
- Industry-leading efficiency
- Vertical firetube design
- 100% stainless steel heat exchanger and shell
- Up to 5:1 turn down ratio
- Water | Natural gas/propane
- 160 psi working pressure
- Installation and service ease
- Low NOx emissions
- Full line of venting options
- **Unity™ user-friendly and system compatible controls**
- **“Door-Fit” design**
- **Corrosion protection/resistance solution**
- **Weil-McLain reliability**

Industry-leading efficiency

Featuring a proprietary clover-shaped, firetube design, the heat exchanger provides greater surface area to maximize heat transfer achieving industry-leading thermal **efficiencies up to 97.1%** (model dependent).



Clover firetube design

Effortless control

SVF's **Unity™** control combines advanced technology with intuitive, user-friendly design.



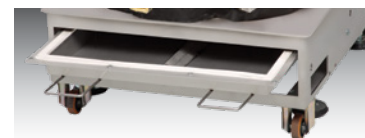
Unity™ control

- Built-in set-up wizard makes every install simple, straight-forward and customizable, even in hybrid applications
- Up to 8 boiler sequencing to meet a wide range of system demands
- Common control logic communicates with Weil-McLain Evergreen®, SlimFit® and SVF™ boilers (70-3000 MBH)

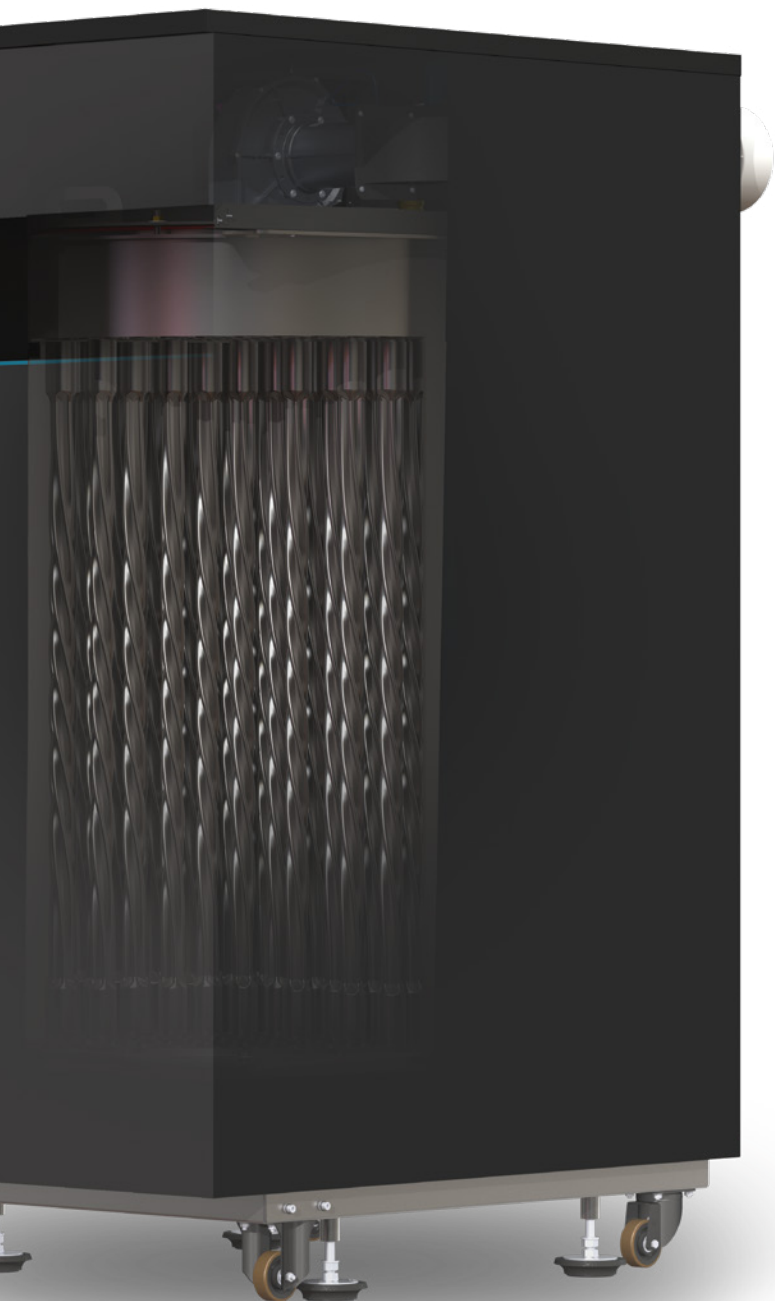
Long life and reliability

Durability is built into every Weil-McLain boiler. Highest-quality stainless steel selection insures long-lasting, reliable heat exchanger performance.

- 316L stainless steel heat exchanger and shell
- Vertical firetube design
- Serviceable, integrated condensate tray
- Industrial-grade, steel frame and jacket panels



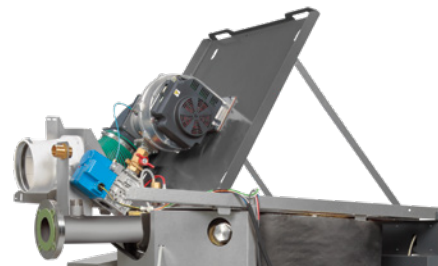
Serviceable condensate tray



Installation ease

Contractor-friendly design 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
- Boiler fits through 36" standard-size door
- Industrial grade leveling legs
- Low-profile, burner design minimizes required overhead work space to only 18 inches

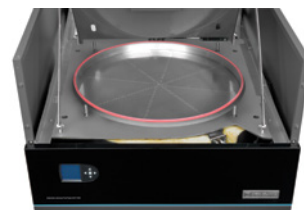


Hinged cover plate

No-hassle maintenance

Easy maintenance is another hallmark of the SVF series. Service calls are stress-free for any trained Weil-McLain technician.

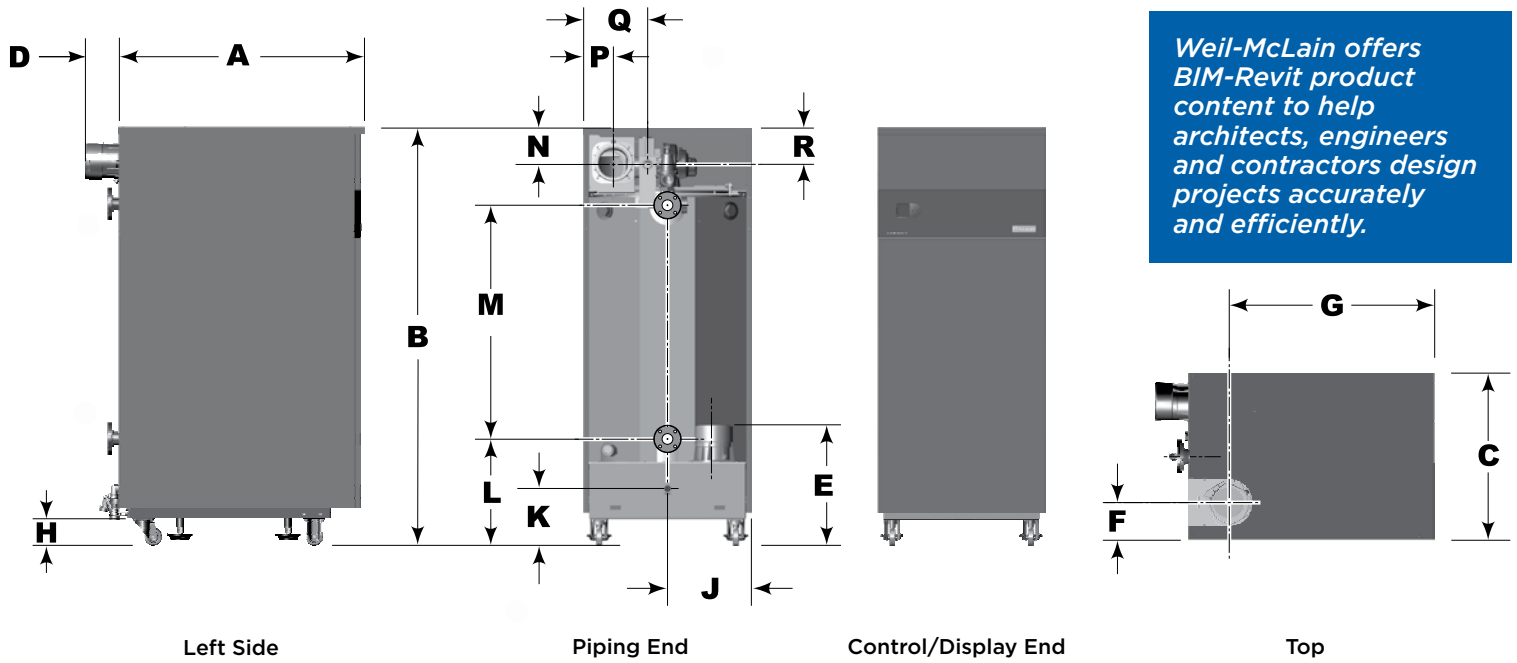
- Hinged cover plate allows for quick access to burner and firetubes
- Simple, vertical wash down of heat exchanger
- Single-point service location
- No side access required for service
- Fast jacket panel removal of top and front panels



End-shot burner design

Contact your Weil-McLain representative or visit Weil-McLain.com to learn more.

Dimensions and Product Specifications



Model No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R
SVF 750	46 ⁵ / ₁₆ "	79 ³ / ₈ "	31 ⁵ / ₁₆ "	6 ⁵ / ₁₆ "	22 ¹⁵ / ₁₆ "	6 ⁷ / ₈ "	38 ¹¹ / ₁₆ "	5 ¹ / ₄ "	15 ³ / ₄ "	11"	20 ³ / ₈ "	44 ³ / ₈ "	6 ⁷ / ₁₆ "	5 ¹ / ₄ "	12"	6 ¹⁵ / ₁₆ "
SVF 1000/1100	50 ⁷ / ₈ "	79 ³ / ₈ "	35 ⁵ / ₁₆ "	5 ¹ / ₁₆ "	22 ¹⁵ / ₁₆ "	7 ³ / ₁₆ "	42 ¹³ / ₁₆ "	5 ¹ / ₄ "	17 ³ / ₄ "	11"	20 ³ / ₈ "	43 ³ / ₄ "	6 ⁷ / ₁₆ "	5 ⁵ / ₁₆ "	13 ³ / ₁₆ "	5 ⁷ / ₁₆ "

(height dimensions based on 5 ¹/₄" spacing from floor to bottom)

Model No.	Thermal Efficiency	Max Pressure (psi)	Max Input (MBH)	Gross Output (MBH)	Net AHRI Rating (MBH)	Turn Down	Water Conn	Gas Conn	Air/Intake Vent Size (Diameter)	Length	Width	Height	Shipping Weight (lbs)
SVF 750	96.3%	160	785	756	657	5:1	2" Flange	1 ¹ / ₄ "	6"	52.9"	31.7"	79.4"	1,565
SVF 1000	96.8%	160	1,000	968	842	4.4:1	3" Flange	1 ¹ / ₄ "	6"	56.6"	35.6"	79.4"	1,875
SVF 1100	97.1%	160	1,134	1,101	957	5:1	3" Flange	1 ¹ / ₄ "	6"	56.6"	35.6"	79.4"	1,875

Industry Leading Efficiency

- Up to 97.1% Thermal Efficiency*
- ASME Certified Stainless Steel Firetube Heat Exchanger and Shell
- "Clover" tube design for maximum heat transfer
- 160 psi Working Pressure
- 30 psi Relief Valve
- Pickled and Passivated Welded Design

Modulating, Low Emissions Burner Design

- Natural Gas or Propane
- Down to <20 ppm NOx Emissions*
- 5:1 Turndown Ratio*
- Low Gas Pressure Operation
- Direct Spark Ignition
- Variable Speed Blower Assembly
- Venturi Mixing System
- Negative Pressure Regulated Gas Valve
- 50 VA Transformer
- Temperature & Pressure Gauge
- Outdoor Water Temp. Sensor
- Outlet & Inlet Water Temp. Sensor
- Flue Gas Temp. Sensor
- System Water Temp. Sensors
 - Immersion Style—Supply & Return

Venting Options

- Direct Exhaust—Sidewall & Vertical (CAT II)
- Direct Vent—Sidewall, Vertical, & Side Intake with Vertical Exhaust (CAT II)
- Direct Exhaust—Vertical (CAT IV)

Complete Jacket Assembly

- Fully Removable Jacket
- Rugged, Steel Frame & Panels
- Manual Reset Push Button through Display

Easy Install/Serviceability

- Easy Set-up with Control Wizard
- Industrial-Grade Roller Casters
- Shipping Crate Ramp
- Hinged Cover Plate
- "Door-Fit" Design
- Zero-Clearance to Combustibles
- Low-Profile, Stainless Steel Burner with Woven Steel Fiber Mesh
- Removable, Stainless Steel Condensate Tray
- Single-Point Installation
 - All Field Connections out Back of Boiler

Multiple Boiler Features

- Up to 8 Boilers, Multiple System functionality with Lead/Lag Capability
- Series, Parallel, or SmartSequencing™
- Lead Boiler Rotation
- Variable Primary Flow Design Capable
- (3) Boiler Priorities Capability
 - Either (2) network and (1) local or (1) network and (2) local
- (24) Zone Inputs and Outputs with (8) Total Cascaded
- Boiler via Zone Stacking™
- Aux Inputs—Flow End or Switch End
- System Aux Outputs—System Pump or Damper

Control Features

- 120 VAC/60 Hertz/1 Phase
- Operating Status Color LCD Display
- Preset Operating Parameters Including Typical Heating Systems
- Configurable Outdoor Reset
- Rate Setting for Each Input/Output
- 0-10V Input (Modulation or Set Point)
- Standard Modbus Connectivity
- Additional Heat Demand Functionality
- Contact with 0-10V Output
- Labeled Terminal Blocks for Field Terminations
- Ignition Control
- High Limit & Modulating Temp. Control
- Alarm Control Functionality
- Onboard Time & Date
- Low Water Cut-Off
- Manual Reset
- Warm Weather Shutdown
- Freeze Protection
- Boiler Service Interval & Contractor Info

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

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

Optional Equipment

- Pressure Relief Valve—30/50/80/100/150 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.

Ultra-Low NOx

Designed specifically for highly-regulated emissions regions, the **SVF 750 & SVF 1000** are South Coast Air Quality Management District (SCAQMD) certified with the **SVF 1100** meeting <30 ppm emissions requirements.



WEIL-McLAIN®

Weil-McLain.com