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

**SVF™ 750–1100**
HIGH EFFICIENCY CONDENSING BOILER
Natural Gas/Propane | 750–1100 MBH
Up to 97.1% Thermal Efficiency

Weil-McLain.com
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.

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).

Effortless control

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

- 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

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
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

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

Contact your Weil-McLain representative or visit Weil-McLain.com to learn more.
**Dimensions and Product Specifications**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>A (Thermal Efficiency)</th>
<th>Max Pressure (psi)</th>
<th>Max Input (MBH)</th>
<th>Gross Output (MBH)</th>
<th>Net AHRI Rating (MBH)</th>
<th>Turn Down</th>
<th>Water Conn</th>
<th>Gas Conn</th>
<th>Air/Intake Vent Size (Diameter)</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Shipping Weight (lbs)</th>
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<tbody>
<tr>
<td>SVF 750</td>
<td>96.3%</td>
<td>160</td>
<td>785</td>
<td>756</td>
<td>657</td>
<td>5:1</td>
<td>2” Flange</td>
<td>1 ¼”</td>
<td>6”</td>
<td>52.9”</td>
<td>31.7”</td>
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<td>968</td>
<td>842</td>
<td>4.4:1</td>
<td>3” Flange</td>
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<td>56.6”</td>
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<td>5:1</td>
<td>3” Flange</td>
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</tr>
</tbody>
</table>

**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)

**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 Herz/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

**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
- Condenser Inhibitor

**Boiler Certifications**
- ASME IV, CSA, AHRI, Commercial Energy Star, SCAQMD
- 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 offers BIM-Revit product content to help architects, engineers and contractors design projects accurately and efficiently.**

*model dependent

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