

**SVF**<sup>TM</sup> | STAINLESS  
VERTICAL  
FIRETUBE

## Firetube performance, perfected.



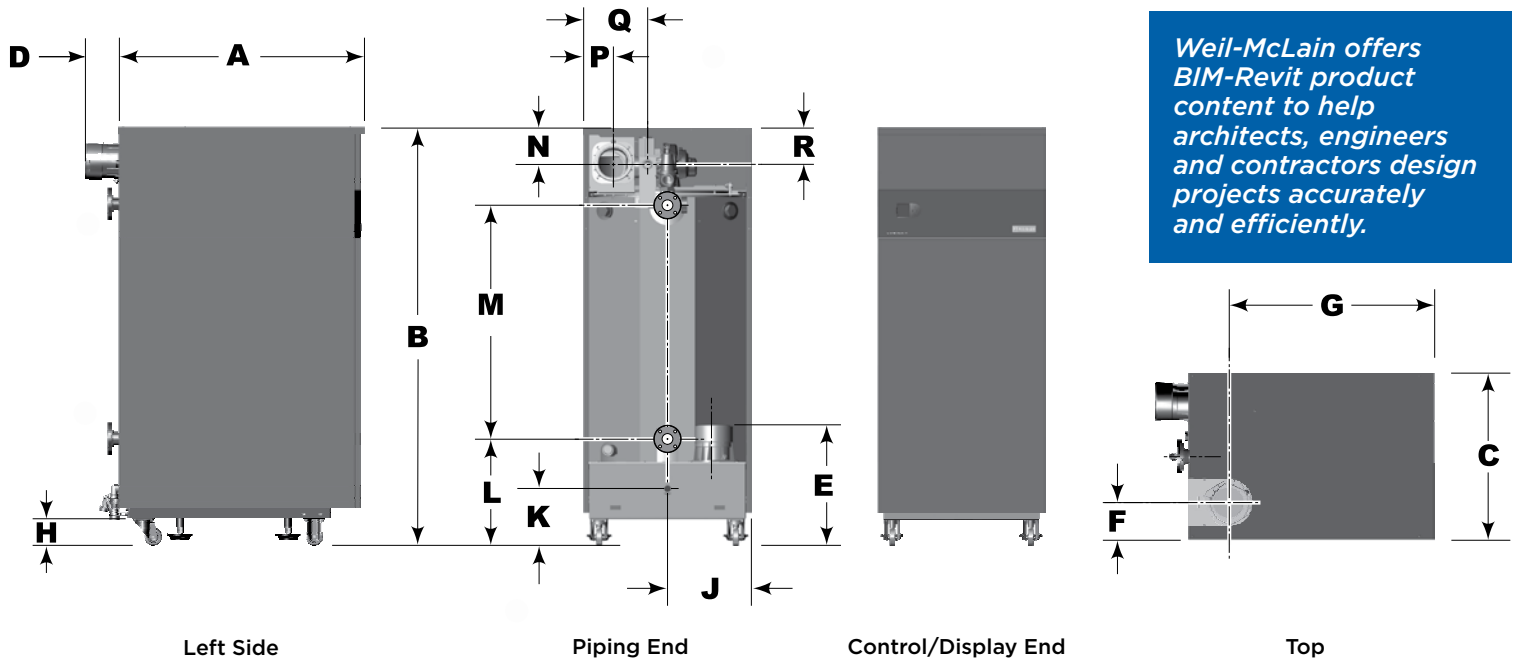
### Introducing the power of stainless: our state-of-the-art 750-1100 MBH firetube boiler.

Guarding against wear and tear through use of the highest quality materials, the SVF 750-1100 Stainless Vertical Firetube line delivers industry-leading efficiency and reliability. Cutting-edge technology and design for installation and serviceability ease enables the SVF 750-1100 line to meet all standard bid specs for new construction projects and is ideal for hybrid applications and replacement boilers needs.

- Industry-leading thermal efficiency up to 97.1% (model dependent)
- Available in 3 sizes: 750, 1000 and 1100 MBH
- Clover-shaped vertical stainless steel firetube heat exchanger provides best-in-class reliability and service life
- Water boiler available in natural gas and propane models
- 160 psi working pressure
- Hinged cover plate allows for quick access to burner and firetubes, making maintenance a breeze
- Advanced Unity<sup>TM</sup> control system (70-3000 MBH compatibility) with built-in set-up wizard
- Contractor-friendly ease of installation and serviceability
- Removable and serviceable condensate tray
- Weil-McLain built-to-last reliability and longevity



## 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 <sup>5</sup> / <sub>16</sub> "	79 <sup>3</sup> / <sub>8</sub> "	31 <sup>5</sup> / <sub>16</sub> "	6 <sup>5</sup> / <sub>16</sub> "	22 <sup>15</sup> / <sub>16</sub> "	6 <sup>7</sup> / <sub>8</sub> "	38 <sup>11</sup> / <sub>16</sub> "	5 <sup>1</sup> / <sub>4</sub> "	15 <sup>3</sup> / <sub>4</sub> "	11"	20 <sup>3</sup> / <sub>8</sub> "	44 <sup>3</sup> / <sub>8</sub> "	6 <sup>7</sup> / <sub>16</sub> "	5 <sup>1</sup> / <sub>4</sub> "	12"	6 <sup>15</sup> / <sub>16</sub> "
SVF 1000/1100	50 <sup>7</sup> / <sub>8</sub> "	79 <sup>3</sup> / <sub>8</sub> "	35 <sup>5</sup> / <sub>16</sub> "	5 <sup>11</sup> / <sub>16</sub> "	22 <sup>15</sup> / <sub>16</sub> "	7 <sup>3</sup> / <sub>16</sub> "	42 <sup>13</sup> / <sub>16</sub> "	5 <sup>1</sup> / <sub>4</sub> "	17 <sup>3</sup> / <sub>4</sub> "	11"	20 <sup>3</sup> / <sub>8</sub> "	43 <sup>3</sup> / <sub>4</sub> "	6 <sup>7</sup> / <sub>16</sub> "	5 <sup>5</sup> / <sub>16</sub> "	13 <sup>3</sup> / <sub>16</sub> "	5 <sup>7</sup> / <sub>16</sub> "

(height dimensions based on 5 <sup>1</sup>/<sub>4</sub>" 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 <sup>1</sup> / <sub>4</sub> "	6"	52.9"	31.7"	79.4"	1,565
SVF 1000	96.8%	160	1,000	968	842	4.4:1	3" Flange	1 <sup>1</sup> / <sub>4</sub> "	6"	56.6"	35.6"	79.4"	1,875
SVF 1100	97.1%	160	1,134	1,101	957	5:1	3" Flange	1 <sup>1</sup> / <sub>4</sub> "	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.

\*model dependent



Weil-McLain.com