SlimFit®

WEIL-McLAIN®

Condensing High-Efficiency Gas Boiler 1,000-2,000 MBH | Series 2

SUBMITTAL SHEET

JOB NAME _____

LOCATION _____

ARCH. / ENGR. _____

WHOLESALER _____

MECH. CONTRACTOR _____

MODEL NO. _____ GAS TYPE _____

BTU/HR INPUT _____ BTU/HR OUTPUT_____

NOTES

Standard Equipment

Standard Features

- Up to 96.1% Combustion Efficiency
- Low NOx < 20 ppm
- Modulating Burner with 6:1 Turndown Ratio
- Sectional Aluminum Block
- Sealed Combustion
- 30 PSI ASME Relief Valve Standard
- Stainless Steel Burner with Woven Steel Fiber Mesh
- Direct Spark Ignition
- Variable Speed Blower Assembly
- Venturi Mixing System
- Negative Pressure Regulated Gas Valve
- 50 VA Transformer
- Temperature & Pressure Gauge
- Outlet Water Temp. Sensor
- Inlet Water Temp. Sensor
- Flue Gas Temp. Sensor
- Outdoor Temp. Sensor
- System Water Temp. Sensors
- 10 YR Heat Exchanger Warranty
- 2 YR Parts Warranty

CSD-1 Compliant

- Manual Reset LWCO
- Manual Reset High & Low Gas Pressure Switches
- Manual Reset High Limit
- UL 353 Certified Contro

Complete Jacket Assembly

- Fully Removable Jacket
- On/Off Power Switch
- Manual Reset Push Button
- Condensate Tray with Drain Tee Assembly

Venting Options

- Direct Exhaust – Sidewall
- Direct Exhaust – Vertical
- Direct Vent – Sidewall
- Direct Vent – Vertical

Multiple Boiler Features

- Up to 8 Boilers, Multiple System Functionality with Lead/Lag Capability
- Series, Parallel, or Smart SequencingTM
- Lead Boiler Rotation
- (2) Network Priorities per Boiler
- (2) Local Priorities per Boiler
- (24) Zone Inputs and Outputs with (8) Total Cascaded
- Boilers via Zone StackingTM
- Aux Inputs - Flow End or Switch End
- System Aux Outputs - System Pump or Damper
- Variable Primary Flow Design Capable

Control Features

- Preset Operating Paramters Including Typical Heating Systems
- Easy Set-Up with Control Wizard
- Configurable Outdoor Reset
- Rate Setting for Each Output
- 0-10V Input (Modulation or Set point)
- Modbus Connectivity is Standard
- Additional Heat Demand Contact
- 0-10V Output for Modulating Lag Boiler
- Labeled Terminal Blocks for Field Terminations
- Ignition Control
- High Limit & Modulating Temperature Control
- Alarm control functionality
- Low Water Protection
- Manual Reset
- Warm Weather Shutdown
- Freeze Protection

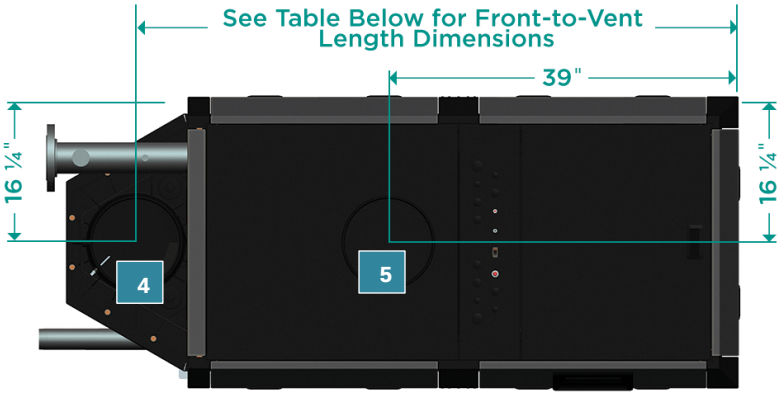
Optional Equipment

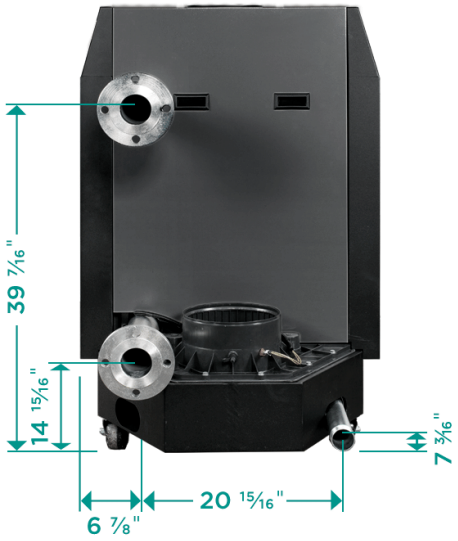
- Pressure Relief Valve 50 PSI
- Pressure Relief Valve 80 PSI
- Pressure Relief Valve 100 PSI
- Condensate Neutralizer Kit
- BACnet or LonWorks Converter Kit
- Outdoor Reset Kit

SlimFit®

Specifications

1. Supply Connection
2. Return Connection
3. Gas Connection
4. Vent Connection
5. Air Connection
6. Condensate Trap
7. Control Display





MODEL	INPUT MAXIMUM (MBH)	INPUT MINIMUM (MBH)	GROSS OUTPUT (MBH)	NET AHRI (MBH)	COMBUSTION EFFICIENCY	THERMAL EFFICIENCY	VENT MATERIAL	VENT/AIR SIZE	VENT/AIR LENGTH	MINIMUM GAS PRESSURE (WC)	SUPPLY/RETURN CONNECTIONS	GAS CONNECTION SIZE	FULL LENGTH	FRONT-TO-VENT LENGTH
SF1000	1,000	167	958	833	96.1%	95.8%	PVC, CPVC, PP, SS (AL29-4C)	6" or 8"	100' or 150'	3"	3" ASME Class 150 Flange	2" NPT Male	77 15/16"	67 1/16"
SF1500	1,500	250	1,437	1,250	95.9%	95.8%	PVC, CPVC, PP, SS (AL29-4C)	8"	100'	3"	3" ASME Class 150 Flange	2" NPT Male	77 15/16"	67 1/16"
SF2000	2,000	333	1,906	1,657	95.8%	95.3%	PVC, CPVC, PP, SS (AL29-4C)	8"	100'	3"	3" ASME Class 150 Flange	2" NPT Male	90 3/16"	79 1/4"