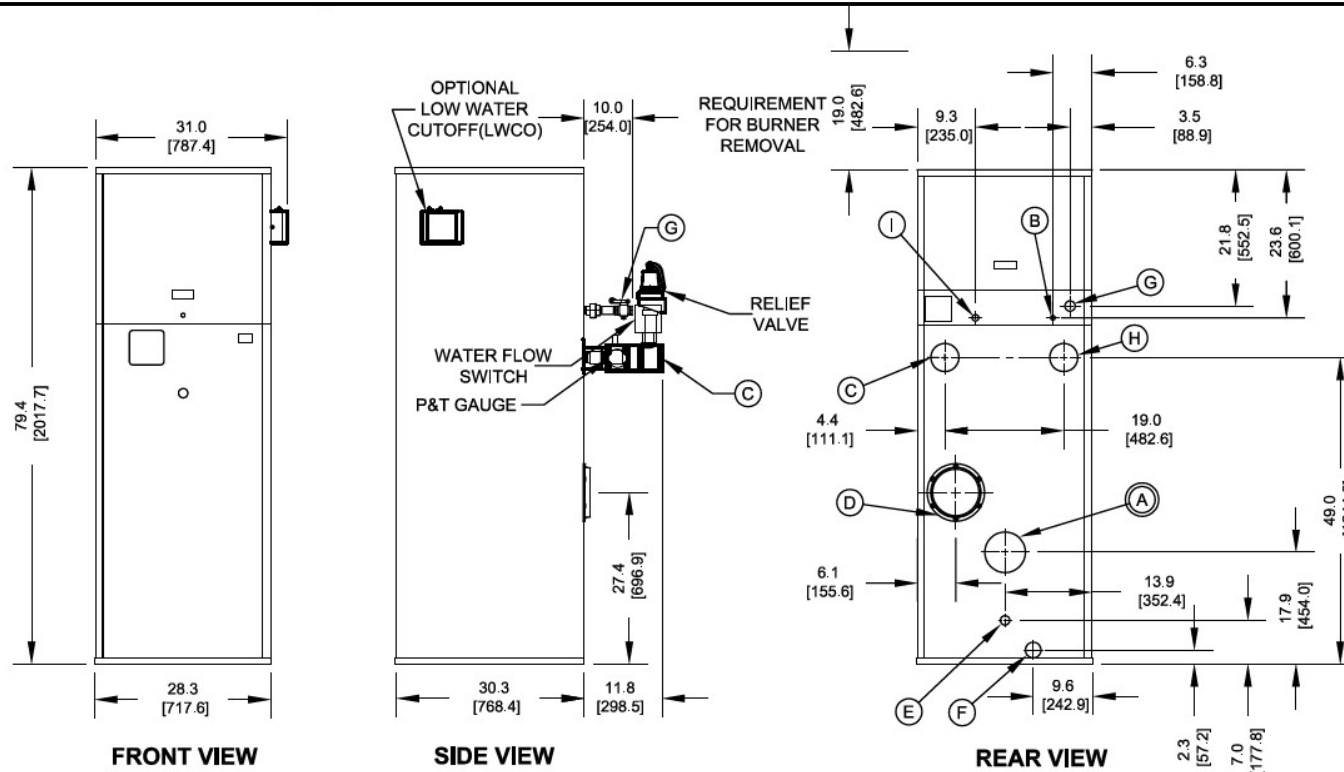


Submittal Data Sheet



KEY	DESCRIPTION	
A	Flue Outlet	6" [152.4] Diameter (AL29-4C SS)
B	Factory Installed Pilot Gas Li	1/4" [6/4] O.D. Tube
C	Water Supply to System	3" NPT
D	Inlet Air	8" [203.2] Diameter
E	Drain, Startup Condensate	5/8" [15.9] O.D. Tube SS
F	Appliance Drain	1" NPT
G	Gas Supply	1 1/2" NPT
H	Water Return from System	3" NPT
I	Optional Gas Train Vent	3/4" NPT (D.B.&B & D.B.&B w/ POC Only)

NOTES:
1. SEE O&M FOR REQUIRED INSTALLATION CLEARANCES.
2. DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.
3. DIMENSIONS ENCLOSED IN [] ARE IN MM.

Submittal Data Sheet

RATINGS AND CAPACITIES

Input (MBH):	1,500,000	BTU/HR
Output (MBH):	1,320,000	BTU/HR
Boiler Horsepower:	39.4	BTU/HR
Thermal Efficiency:	88.0%	BHP
Heating Surface:	264	Sq.Ft.
Water Content:	17.4	Gallons
Fuel:	Natural Gas or LP Gas	
Firing Rate:	Reliable Modulation	
Burner Turndown:	3:1	
Low NOx Emissions:	<10 ppm	
Inlet Gas Pressure (NG):	See Chart at right	
Inlet Gas Pressure (LP):	See Chart at right	

* This data supercedes data found on Table 3 of I&O Manual, per PRODUCT UPDATE issued June 6, 2024.

Shipping Weight, Approximate: **1,327** lbs

ASME Section IV (Max 160 PSIG / 210°F)

Setpoint range is 145-190°F

Adjustable, manual reset high limit setting of ≤ 200°F.

ASME HLW stamp MAWT is 210°F for the vessel. (For max setpoint, see Setpoint range.)

UL Certified to ANSI Z21.10.3/CSA 4.3



DIMENSIONS / CONNECTIONS

Height:	79 1/8"	(Note 1)
Width:	28 3/8"	(Note 2)
Length:	30 3/8"	(Note 3)
Supply Connection:	3"	
Return Connection:	3"	
Vent / Air Intake Connections:	6" Vent	8" Intake
Condensate / Appliance Drain Connection:	5/8" Condensate Tube	1" NPT Drain
Gas Connection:	1 1/2"	

NOTES:

1. Height dimension is from floor to top of jacket.

2. Length is from jacket front to jacket rear.

3. Dimensions shown are for reference only

FLows AND PRESSURE DROPS

Delta T	Flow (GPM)	ΔP (Ft. Hd)
20°F ΔT	120 (Max)	7.37
40°F ΔT	63 (Min)	1.85

Electrical Supply Options

<input type="checkbox"/>	120v/60hz/1ph (Standard)	7.5 amps
<input type="checkbox"/>	208v/60hz/1ph	6.6 amps
<input type="checkbox"/>	230v/60hz/1ph	6.4 amps
<input type="checkbox"/>	208v/60hz/3ph	6.0 amps
<input type="checkbox"/>	230v/60hz/3ph	6.0 amps
<input type="checkbox"/>	460v/60hz/3ph	3.0 amps

Blower Motor (hp)

1-1/2

Relief Valve Options

<input type="checkbox"/>	125 psi (STANDARD)
<input type="checkbox"/>	150 psi (OPTIONAL)

Inlet Gas Pressure

SIZE	Nat. Gas Min. ("w.c.)	LP Min. ("w.c.)	Max
500	5.0" w.c.	8.0" w.c.	14.0" w.c.
750	7.0" w.c.*		
1000	7.0" w.c.*		
1500	7.0" w.c.*		
2000	9.0" w.c.*	9.0" w.c.	
2000s	7.0" w.c.	8.0	
2500	6.0" w.c.		
3000	6.0" w.c.		

* NOTE: Optional natural gas train with 4" w.c. minimum inlet gas pressure
ONLY AVAILABLE on sizes 750, 1000, 1500 & 2000.

Submittal Data Sheet

STANDARD EQUIPMENT		OPTIONAL EQUIPMENT												
<div style="background-color: #ccc; text-align: center; font-weight: bold; padding: 2px;">PRESSURE VESSEL DESIGN</div> <p>Copper Fin-tube construction Bronze header design Gasketless heat exchanger ASME Section IV certified "H" stamp MAWP 160 PSI & max design temp 250°F 5-year heat exchanger warranty 20-year thermal shock warranty</p>	<div style="background-color: #ccc; text-align: center; font-weight: bold; padding: 2px;">BOILER EQUIPMENT</div> <p>Siemens RWF55 operating control High limit w/ manual reset safety temperature control Water flow switch Low water cut-off with manual reset safety controller Outlet temperature sensor Combustion air switch Pressure and temperature gauge Safety relief valve (Optional pressures 30 - 150 PSI; See details above.) Single point electrical supply: (Available in: 1 and 3 phase options. See details above.)</p>	<div style="background-color: #ccc; text-align: center; font-weight: bold; padding: 2px;">BURNER EQUIPMENT</div> <p>UL/FM/CSD-1 gas train Reliable Turndown Natural or LP gas Pilot gas valve / Pilot gas regulator Siemens SKP-75 gas valve Low and high gas pressure switches with manual reset</p>												
<div style="background-color: #ccc; text-align: center; font-weight: bold; padding: 2px;">COMBUSTION DESIGN</div> <p>Maintenance-free ceramic burner Ultr-low NOx emissions (<10ppm) Whisper quiet operation (<50 dBA) Easy to service, 99% efficient industrial air filter Industrial cast aluminum blower assembly VFD Driven Blower Reliable electric spark-to-pilot ignition 10-year burner warranty Honeywell UV-Scanner</p>	<div style="background-color: #ccc; text-align: center; font-weight: bold; padding: 2px;">SIEMENS RWF55 OPERATING CONTROL FEATURES</div> <p>Adjustable set point Remote set point (0-10v or 4-20 mA) Outdoor air temperature reset</p>													
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<div style="background-color: #ccc; text-align: center; font-weight: bold; padding: 2px;">IMPORTANT NOTE</div> <p><i>For installation and operation only in climates where the ambient temperature will not be less than 32 °F (0 °C). Appliance must be protected from standing water. Install on a level platform. Do not install this appliance under an overhang less than 3 feet from its top. The area under the overhang must be open on 3 sides. Never install directly on carpeted flooring.</i></p>		<div style="background-color: #ccc; text-align: center; font-weight: bold; padding: 2px;">Extended Warranty Options Available:</div> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;"><u>Parts Only</u></th> <th style="text-align: center; padding: 5px;"><u>3-Year</u></th> <th style="text-align: center; padding: 5px;"><u>5-Year</u></th> <th style="text-align: center; padding: 5px;"><u>10 Year</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: left; padding: 5px;"><u>Parts Only</u></td> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> </tr> <tr> <td style="text-align: left; padding: 5px;"><u>Parts and Labor</u></td> <td style="text-align: center; padding: 5px;">N/A</td> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> <td style="text-align: center; padding: 5px;"><input type="checkbox"/></td> </tr> </tbody> </table>	<u>Parts Only</u>	<u>3-Year</u>	<u>5-Year</u>	<u>10 Year</u>	<u>Parts Only</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>Parts and Labor</u>	N/A	<input type="checkbox"/>	<input type="checkbox"/>
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