

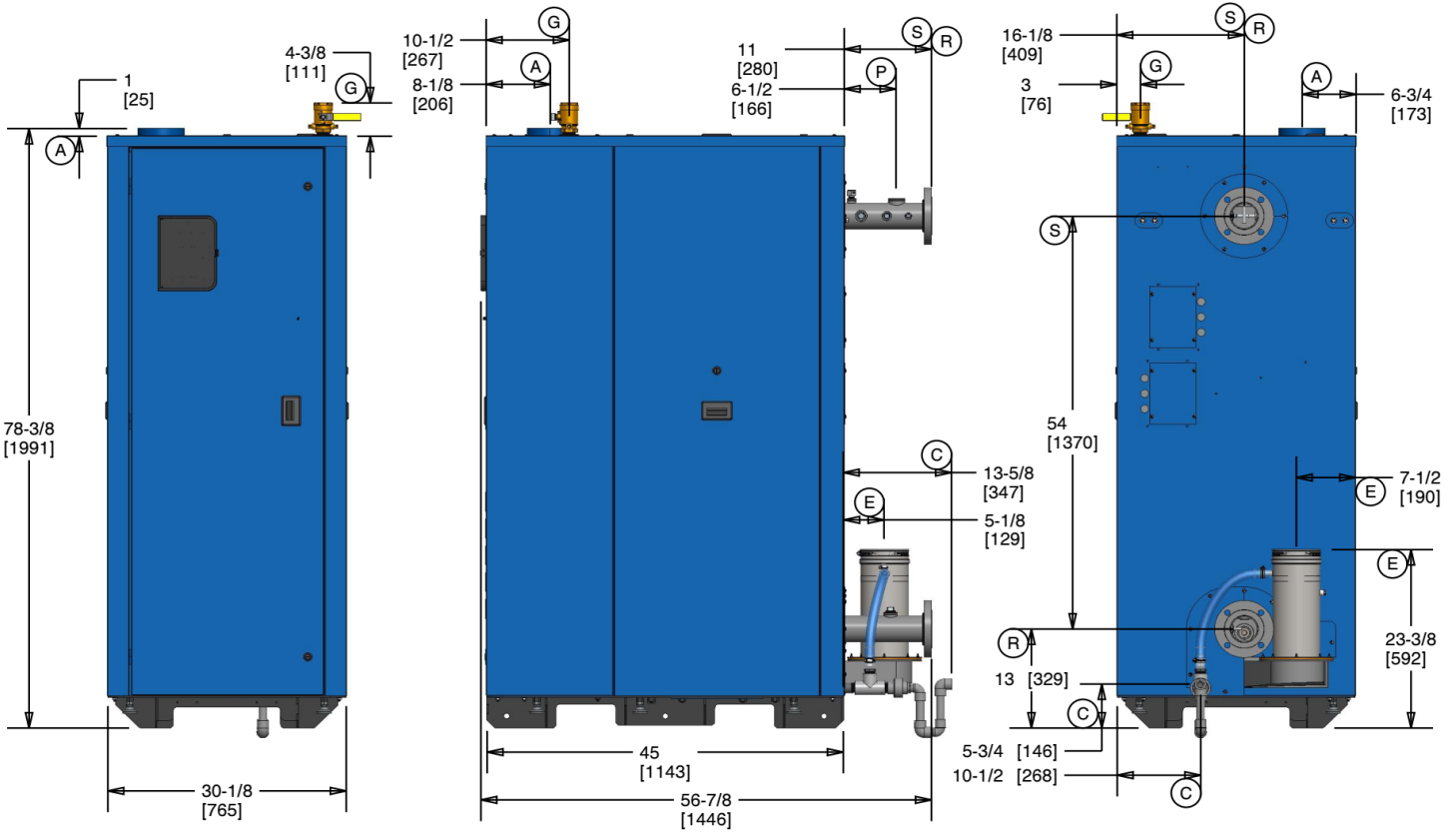
Rep Name: _____

Email: _____

Phone Number: _____

Date: / / /

SOLIS SL1000



Primary dimensions are in inches. The secondary dimensions, [in brackets], are in millimeters.

This boiler requires Category IV venting (condensing-positive pressure) or Category II venting* (condensing -negative pressure as defined in ANSI Z223.1/NFPA 54/CSA-B.149 latest edition).

*Category II venting must include the optional combustion air damper

* SL725/850 Weight and dimension information to be finalized in Q2 2022

| BOILER CONNECTIONS | | |
|--------------------|-----------------------|---|
| A | Combustion Air Inlet | 6" dia. Stub |
| C | Condensate Drain | 3/4" hose |
| E | Exhaust Vent | 6" |
| G | Natural Gas | 1-1/4" NPT-F |
| J | Wiring Junction Boxes | inside cabinet |
| P | Pressure Relief Valve | see list for options |
| R† | Boiler Return | 2-1/2" NPT-F (725/850) 3" pipe, flanged (1000) |
| S† | Boiler Supply | 2-1/2" NPT-F (725/850) 3" pipe, flanged (1000) |



| BOILER CONTROLS |
|--|
| ASME CSD-1 is standard |
| Complies with: GE GAP (IRI) guidelines GAP.4.1.0 and GAP.4.1.3 |
| FM Global 6-4 Section 1.0 |
| Main Gas Train with Dual Shut-off |
| Integrated Boiler Control, NURO Series |
| Operating Thermostat, 42°-195°F (5.6°-91°C) |
| High Limit Thermostat, Manual Reset, 100°-197°F (38°-92°C) |
| High Exhaust Back Pressure Switch |
| LWCO, Probe Type |
| Combustion Air Proving Switch, Differential Pressure Type |
| Combustion Blower, Variable Speed, 950 Watt |

| A.S.M.E. SECTION IV DESIGN DATA | SL-725 | SL-850 | SL-1000 |
|----------------------------------|----------|----------|----------|
| Max Pressure | 160 PSIG | | |
| Max Allowable Temperature | 210°F | | |
| Max Setpoint | 185°F | | |
| Flow Rate @ 20°FΔT | 69.6 GPM | 81.6 GPM | 96.0 GPM |
| Min Flow Rate @ All Firing Rates | 10 GPM | 10 GPM | 10 GPM |

| MODEL SELECTION | | | |
|--------------------------------------|---------------------------------|---------------------------------|----------------------------------|
| Boilers | <input type="checkbox"/> SL-725 | <input type="checkbox"/> SL-850 | <input type="checkbox"/> SL-1000 |
| Fuel Options | <input type="checkbox"/> NG | | |
| Min Inlet Gas Pressure | 3.5" w.c. | | |
| Max Inlet Gas Pressure | 14" w.c. | | |
| Max Input (BTU/hr) | 725,000 | 850,000 | 1,000,000 |
| Max Output (BTU/hr) | 696,000 | 816,000 | 960,000 |
| Boiler HP | 21.7 | 23.9 | 27.5 |
| Min Input (BTU/hr) | 72,500 | 72,500 | 100,000 |
| Min Output (BTU/hr) | 69,600 | 69,600 | 96,000 |
| Turndown Ratio | 10:1 | 12:1 | 10:1 |
| Operating Weight | 665 lbs.* | | 2150 lbs. |
| Shipping Weight | 635 lbs.* | | 1750 lbs. |
| Boiler Water Content | 16.5 gal | | 76.8 gal |
| Shipping Dim. (LxWxH) | 46"x28"x55" * | | 60"x32"x80" |
| Power Supply | 120V, 1PH, 60Hz | | |
| Operating Current | <10 Amps | | |
| Recommended Minimum Circuit Capacity | 10 Amps | | |

| PRESSURE RELIEF VALVE/PRESSURE-TEMPERATURE GAUGE | | |
|--|---------------------|--------------------|
| Shipped Loose for Field Installation | | |
| <input type="checkbox"/> | 30 PSIG 1"x 1" | 0-100 psi/30-240°F |
| <input type="checkbox"/> | 50 PSIG 1"x 1-1/4" | 0-100 psi/30-240°F |
| <input type="checkbox"/> | 60 PSIG 1"x 1" | 0-100 psi/30-240°F |
| <input type="checkbox"/> | 75 PSIG 1"x 1" | 0-240 psi/30-240°F |
| <input type="checkbox"/> | 80 PSIG 1"x 1" | 0-240 psi/30-240°F |
| <input type="checkbox"/> | 100 PSIG 1"x 1-1/4" | 0-240 psi/30-240°F |
| <input type="checkbox"/> | 125 PSIG 1"x 1" | 0-240 psi/30-240°F |
| <input type="checkbox"/> | 150 PSIG 1"x 1" | 0-240 psi/30-240°F |

| RECOMMENDED CLEARANCE FOR SERVICE ACCESS | | | |
|--|------------|-----------|-----------------|
| Front - 30" | Rear - 18" | Top - 24" | Left Side - 12" |

Notes:

-Patterson-Kelley reserves the right to make changes at any time without notification

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NOTES:
