

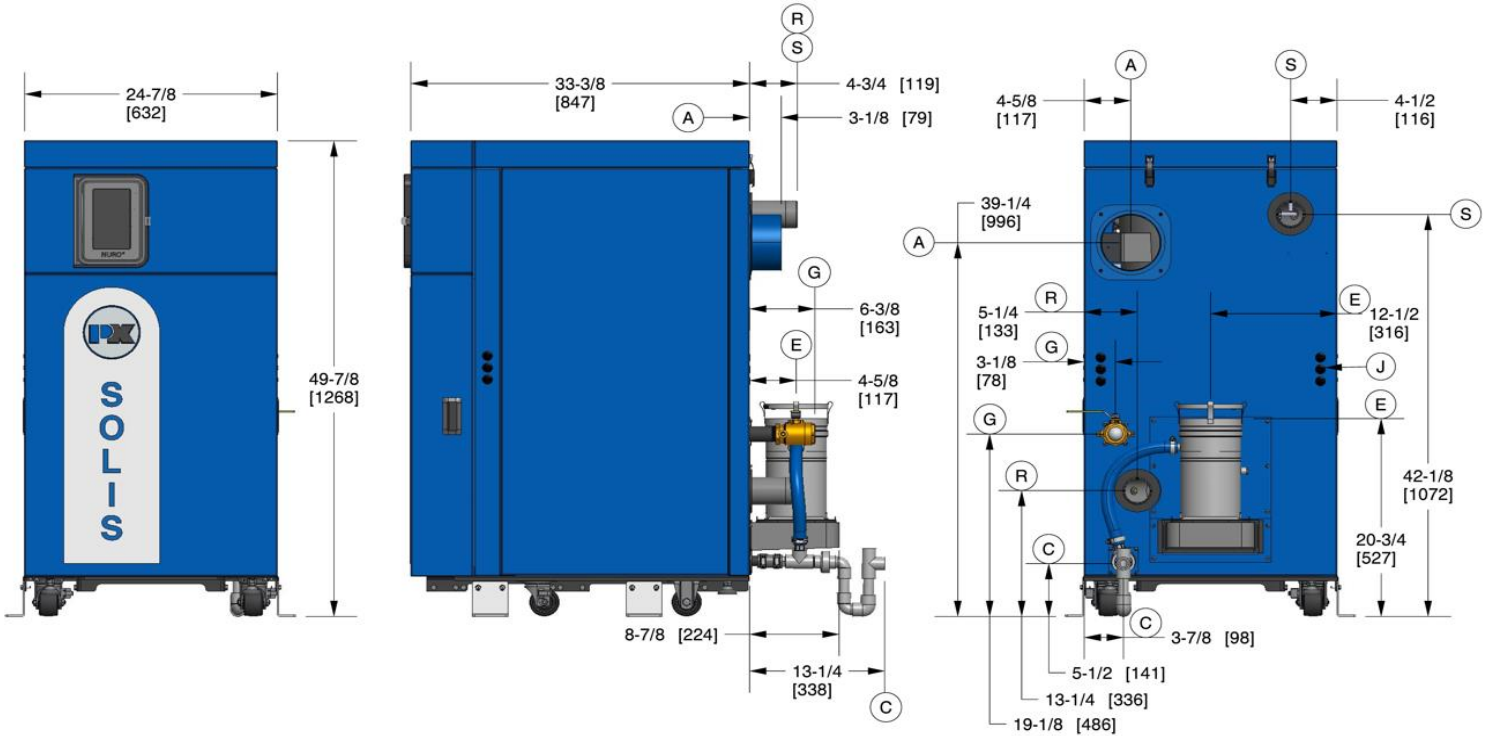
Rep Name: \_\_\_\_\_

Email: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Date:            /            /            /

## SL725-SL850



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

BOILER CONNECTIONS		
A	Combustion Air Inlet	6" dia. Stub
C	Condensate Drain	3/4" CPVC
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
S†	Boiler Supply	2-1/2" NPT-F

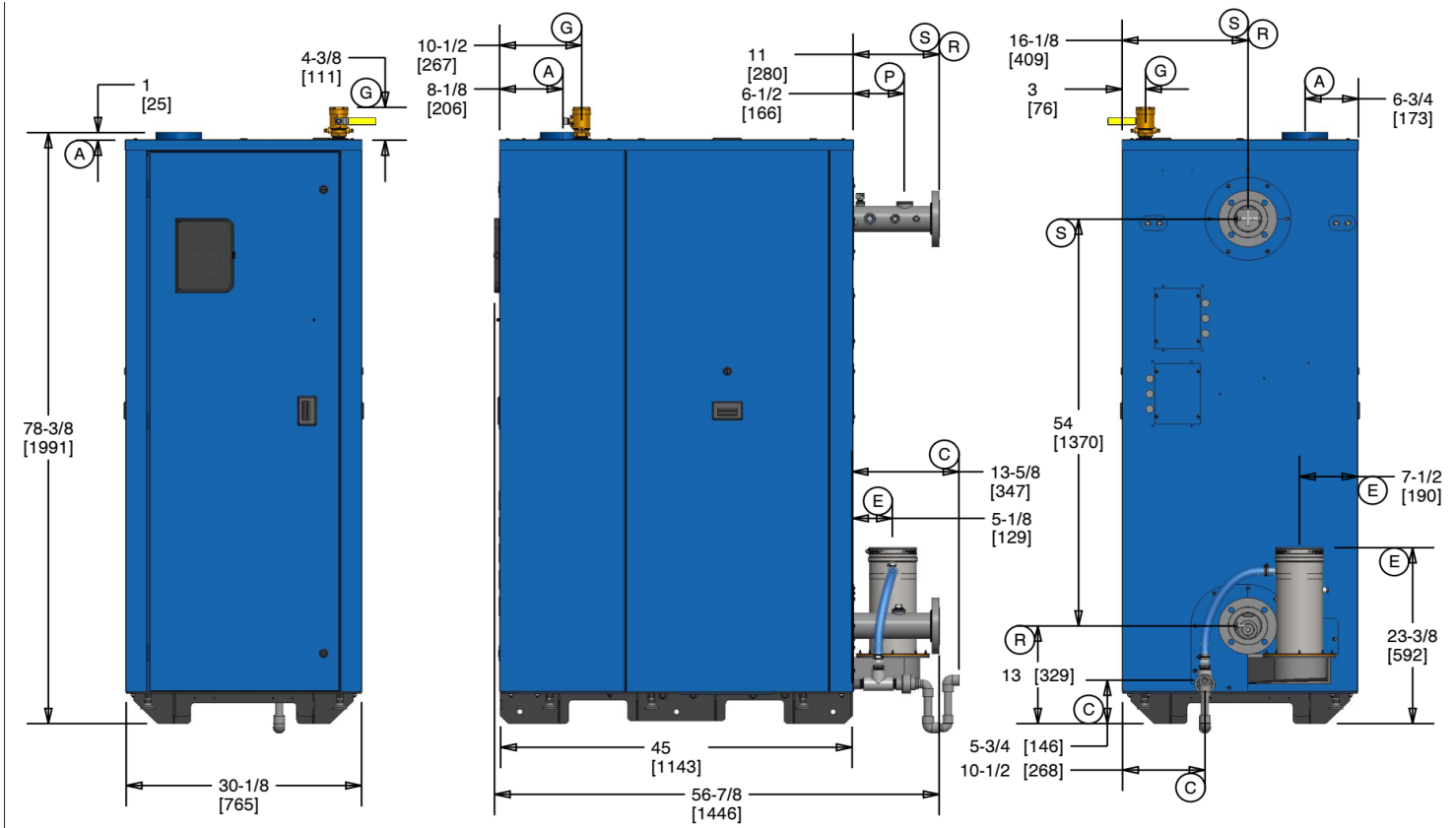
Rep Name: \_\_\_\_\_

Email: \_\_\_\_\_

Phone Number: \_\_\_\_\_

Date:            /            /            /

## 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

BOILER CONECTIONS		
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	70.8 GPM	82.9 GPM	96.0 GPM
Minimum Flow Rate @ High Fire (60°FΔT)	23 GPM	27 GPM	32 GPM
Minimum Flow Rate @ Ignition	12 GPM	12 GPM	38 GPM
Minimum Flow Rate @ Low Fire	4 GPM	4 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)	708,000	829,000	960,000
Boiler HP	21.7	23.9	27.5
Min Input (BTU/hr)	72,500	72,500	100,000
Min Output (BTU/hr)	70,800	70,800	96,000
Turndown Ratio	10:1	12:1	10:1
Operating Weight	669 lbs.		2150 lbs.
Shipping Weight	675 lbs		1750 lbs.
Boiler Water Content	16.5 gal		76.8 gal
Shipping Dim. (LxWxH)	58"x34"x56"		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			
SL-725 / SL-850			
Front - 35"	Rear - 35"	Top - 24"	Left Side - 24"
Right Side - 24"			

RECOMMENDED CLEARANCE FOR SERVICE ACCESS			
SL-1000			
Front - 30"	Rear - 18"	Top - 24"	Left Side - 0"
Right Side - 0"			

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