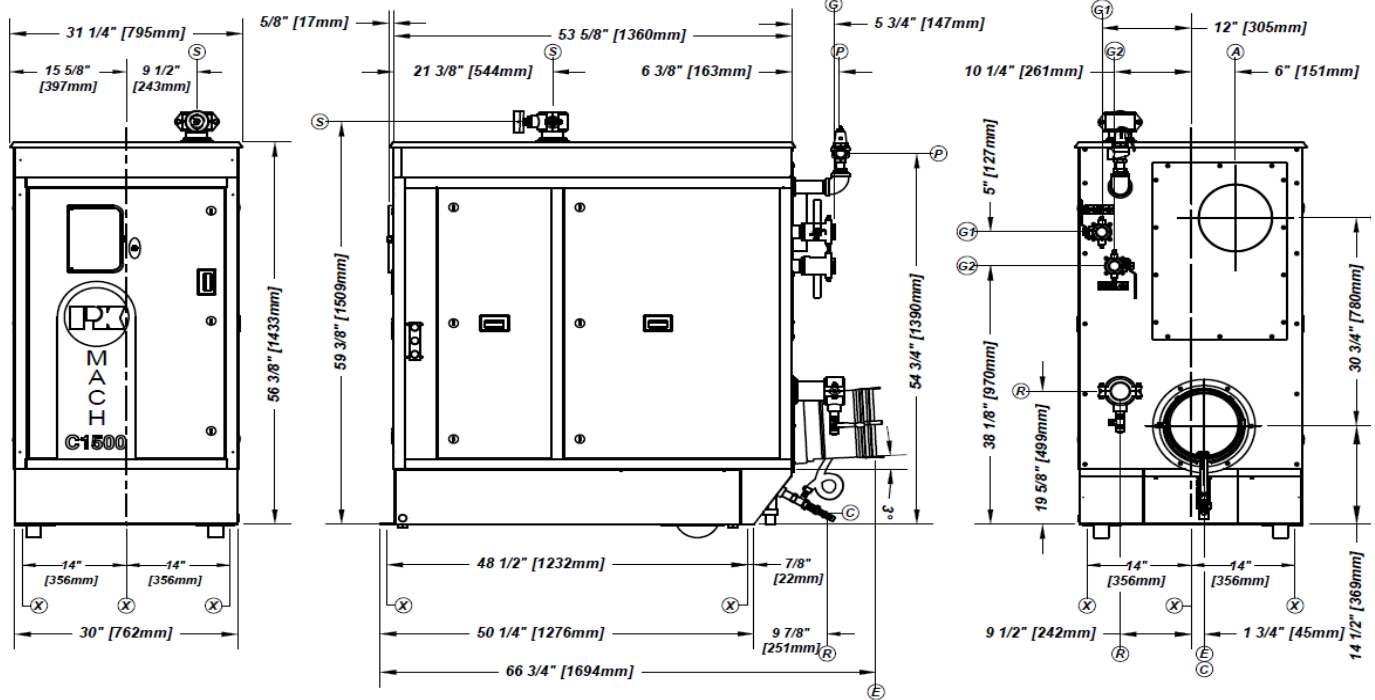


Rep Name: \_\_\_\_\_

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

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

Date: \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_



This MACH boiler requires Category IV venting (condensing-positive pressure) or Category II venting<sup>†</sup> (condensing -negative pressure) as defined in ANSI Z223.1/NFPA 54/CSA-B.149 latest edition.  
<sup>†</sup>Category II venting must include the optional combustion air damper

BOILER CONECTIONS		
A	Combustion Air Inlet	10" dia. stub
C	Condensate Drain	3/4" hose
E	Exhaust Vent	10"
G1	Propane Gas	1 1/2" NPT-F
G2	Natural Gas	1 1/2" NPT-F
J	Wiring Junction Boxes	inside cabinet
P	Pressure Relief Valve	see list for options
R	Boiler Return, Victaulic® clamp	2 1/2" pipe, grooved
S	Boiler Supply, Victaulic clamp	2 1/2" pipe, grooved
X	Anchor Bolt Locations	(6) 9/16" dia holes

MODEL SELECTION		
Boilers	<input type="checkbox"/> C1500H <input type="checkbox"/> Dual Fuel	
Fuel Options	<input type="checkbox"/> Natural Gas	<input type="checkbox"/> Liquid Propane
Min Inlet Gas Pressure	3.5" w.c.	7.0" w.c.
Max Inlet Gas Pressure	14" w.c.	
Input (BTU/hr)	1,500,000	
Output (BTU/hr)	1,414,000	
Boiler HP	43.0	
Operating Weight	1200 lbs. *	
Shipping Weight	1330 lbs. *	
Boiler Water Content	13.2 gallons	
Shipping Dimensions	36"x84"x68" (LxWxH)	
Power Supply	120V 1ph 60 Hz	
Operating Current	< 15 Amps	
Recommended Minimum Circuit Capacity	15 Amps	

\*Add 100 lbs. for Dual Fuel models

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, Manual Reset	
Combustion Air Proving Switch, Differential Pressure Type	
Combustion Blower, Variable Speed, 880 Watt	

PRESSURE RELIEF VALVE/PRESSURE-TEMPERATURE GAUGE		
Shipped Loose for Field Installation		
<input type="checkbox"/>	30 PSIG 1 1/4"x 1 1/4"	15-160 psi/0-250°F
<input type="checkbox"/>	50 PSIG 1"x 1 1/4"	15-160 psi/0-250°F
<input type="checkbox"/>	60 PSIG 1"x 1"	15-160 psi/0-250°F
<input type="checkbox"/>	75 PSIG 1"x 1"	15-160 psi/0-250°F
<input type="checkbox"/>	80 PSIG 3/4"x 1"	15-160 psi/0-250°F
<input type="checkbox"/>	100 PSIG 3/4"x 3/4"	15-160 psi/0-250°F
<input type="checkbox"/>	125 PSIG 3/4"x 3/4"	15-160 psi/0-250°F

A.S.M.E. SECTION IV DESIGN DATA	
Max Pressure	125 PSIG
Max Allowable Temperature	220°F
Max Setpoint	185°F
Heated Wet Surface Area	35.9 sq. ft.
Flow Rate @ 20°FΔT	141.4 GPM
Flow Rate @ 40°FΔT	70.7 GPM

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

Notes:  
- Victaulic is a registered trademark of Victaulic Company, Easton PA, USA  
- Patterson-Kelley reserves the right to make changes at any time without notification



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DESIGNED & ASSEMBLED  
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