P-K MACH® Model C-4000
Natural Gas, Liquid Propane, or Dual Fuel with NURO® Control

This MACH 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

Note: Dual Fuel Models are not intended to run both fuels simultaneously.

BOILER CONNECTIONS

1. Combustion Air Inlet 12” dia stub
2. Condensate Drain 3/4” hose
3. Exhaust Vent 10”
4. Liquid Propane Gas Connection 1 1/2” NPT-F
5. Natural Gas Connection 2” NPT-F
6. Wiring Junction Boxes inside cabinet
7. Pressure Relief Valve see list for options
8. Boiler Water Return, Victaulic® clamp 4” pipe, grooved
9. Boiler Water Supply, Victaulic® clamp 4” pipe, grooved
10. Anchor Bolt Locations (6) 9/16” dia holes

BOILER CONTROLS: ASME CSO-1 is standard.
Complies with GE GAP (R) guidelines GAP.4.1.0 and GAP.4.1.3.
Complies with 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 Pressure Switch
LWCO, Probe Type, Manual Reset
Combustion Air Proving Switch, Differential Pressure Type
Combustion Blower, Variable Speed, 2500 Watt

A.S.M.E. Section IV Design Data
Max Pressure 125 psig
Max Allowable Temperature 220°F
Max Operating Temperature 194°F
Heated Wet Surface Area: 78.9 sq. ft.
Flow rate @ 20°F ΔT 345 GPM
Flow rate @ 40°F ΔT 173 GPM

MODEL SELECTION

<table>
<thead>
<tr>
<th>Model</th>
<th>C4000</th>
<th>C-4000 NURO</th>
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</thead>
<tbody>
<tr>
<td>Fuel Type</td>
<td>Dual Fuel</td>
<td>Natural Gas/Liquid Propane</td>
</tr>
<tr>
<td>Min Inlet Gas Pressure</td>
<td>3.0” w.c</td>
<td>7.0” w.c</td>
</tr>
<tr>
<td>Input, BTU/hr</td>
<td>4,000,000</td>
<td>3,720,000</td>
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<tr>
<td>Output, BTU/hr</td>
<td>113.5</td>
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<tr>
<td>Boiler HP</td>
<td>1900 lbs*</td>
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<tr>
<td>Operating Weight</td>
<td>24.5 gallons</td>
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</tr>
<tr>
<td>Water Content</td>
<td>2100 lbs*</td>
<td>440-480V 3ph 60Hz</td>
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<tr>
<td>Estimated Shipping Weight</td>
<td>36”x84”x67” (LxWxH)</td>
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<tr>
<td>Operating Current</td>
<td>&lt; 20 Amps</td>
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<tr>
<td>Recommended Minimum Circuit Capacity</td>
<td>20 Amps</td>
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Pressure Relief Valve/Press-Temp Gauge
Shipped loose for field installation

Recommended Clearance for Service Access
Front – 30” Rear – 12” Top – 12” Side – 18”

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C4000 NURO 01.29.18