APPLICATION

The Mustang Portable Heated Sample Conditioning System is designed for spot or portable gas sampling. System installs into a pressurized pipeline through a ½” or ¾” full opening valve without the use of a special insertion device. The adjustable length probe is ideally suited for use with a portable analyzer or when spot sampling is being performed. The tip of the probe is protected from inline contaminants by a shroud.

The Mustang Portable Heated Sample Conditioning system has the means to separate entrained liquid aerosols and droplets of the source gas. Separating liquids in this manner avoids changes in the gas phase composition and complies with current natural gas industry standards and preserves the sample’s integrity from the extraction point to the analyzer.

FEATURES

- Single-stage Mustang® Heated Regulator (MHR®) or multi-stage Mustang® Joule-Thomson Heated Regulator (MJTHR®)
- Portable insertion probe (PIP)
- Quick disconnects
- Pressure gauge
- Outlet isolation valve
- Low volume manifold
- Relief Valve
- 10’ PTFE ss hose assembly w/ quick disconnects
- Quick disconnect union between regulator and probe

BENEFITS

- Analysis at sample point
- Compact and portable pelican carry case
- Low power requirements
- Helps preserves gas sample integrity
- Thermal insulation with optional removable/reusable flexible insulation cover
**PRODUCT SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Probe Insertion Depth</td>
<td>0” to 11”</td>
</tr>
<tr>
<td>Maximum Recommended Flow Rate</td>
<td>5 L/min</td>
</tr>
<tr>
<td>Electrical Enclosure Classification</td>
<td>Class 1, Division 1 &amp; 2, Group B, C, D</td>
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<tr>
<td>Installation Valve Requirement (customer supplied)</td>
<td>1/2” or 3/4” NPT</td>
</tr>
<tr>
<td>Wetted Materials</td>
<td>316 SS/NACE Compliant</td>
</tr>
<tr>
<td>Regulator</td>
<td>MHR® Single Stage Regulator</td>
</tr>
<tr>
<td></td>
<td>MJTHR® Multi-Stage Regulator</td>
</tr>
<tr>
<td>Input Supply Voltage Options</td>
<td><strong>120</strong> VAC, 200 Watts, 50/60 Hz, ± 10%</td>
</tr>
<tr>
<td></td>
<td><strong>208</strong> VAC, 200 Watts, 50/60 Hz, ± 10%</td>
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<tr>
<td></td>
<td><strong>230</strong> VAC, 200 Watts, 50/60 Hz, ± 10%</td>
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<tr>
<td></td>
<td><strong>24</strong> VDC, 140 Watts</td>
</tr>
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Use the bold alpha-numeric characters from the table above to build your model number:

MPHSS - ___ - ___

Regulator / Input Supply Voltage

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About Mustang Sampling
Mustang Sampling, LLC is the innovator of Analytically Accurate® solutions within sample conditioning systems. We provide custom solutions of products and services globally to the Natural Gas, Natural Gas Liquids (NGL), and Liquefied Natural Gas (LNG) industries. Mustang Sampling continues to pioneer integrated control systems, allowing our customers to maintain phase stability from sample extraction at the source through sample analysis. Our products are continuously improved and subjected to the highest quality standards which provides our customers with the best sample conditioning solutions.

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