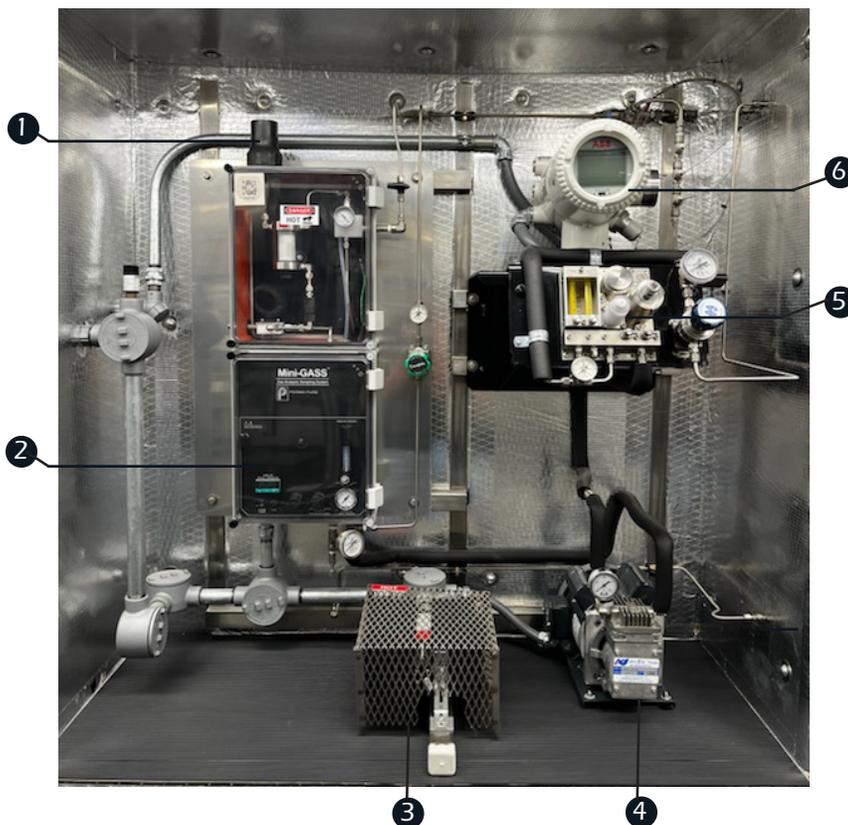




# Mustang Sampling<sup>®</sup>

## Mustang<sup>®</sup> Biogas Sample Conditioning System

Item Number	Description
1	Electric Heat Trace Tube Bundle Inlet
2	Sample Dryer to Reduce Liquid Content in Sample
3	Cabinet Heater
4	Sample Booster Pump
5	Mustang <sup>®</sup> Sample Control Panel, MMSCP <sup>®</sup>
6	Customer Specified Analyzer



### APPLICATION

The Mustang Biogas Sample Conditioning System is designed to deliver a representative gas sample from an anaerobic digester. The raw gas is dried, heated, and pressurized for delivery to an analyzer(s) utilizing a Mustang Sample Conditioning System.

The Mustang Biogas Sample Conditioning System transports the biogas sample at a temperature well above its dewpoint, which is maintained throughout the final pressure reduction process, for analysis.

### FEATURES

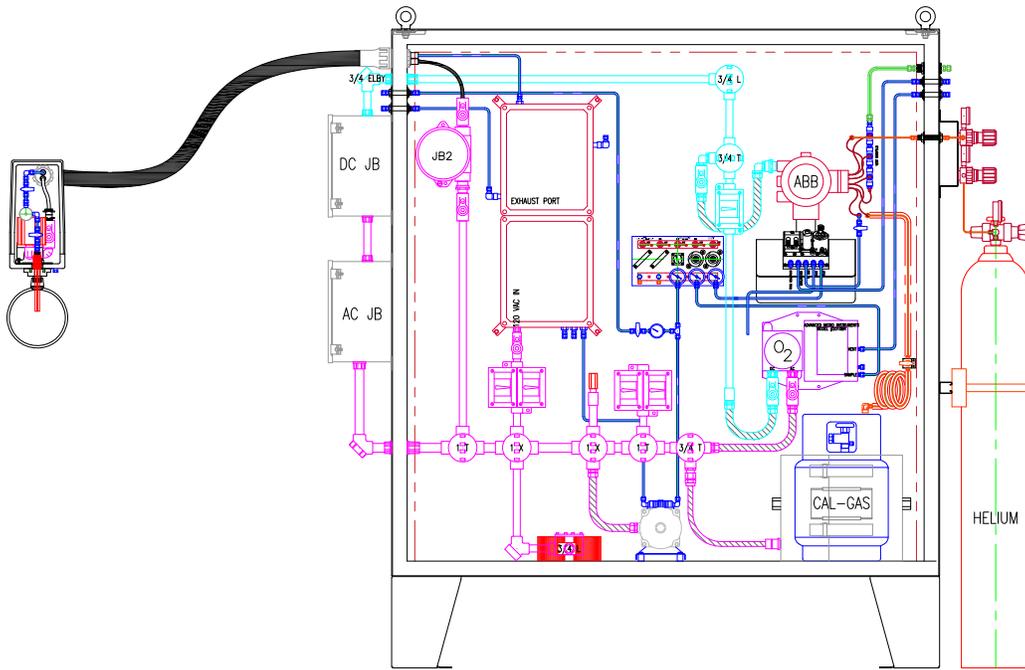
- Patented technology delivers a heated sample to the analytical device utilizing existing power supplied by electric heat trace tube bundle
- Rated for Class 1, Division 2, Group C & D locations
- Integral analyzers for CH<sub>4</sub>, H<sub>2</sub>S, Total Sulfur, O<sub>2</sub>, H<sub>2</sub>O, and N<sub>2</sub>
- Stainless Steel or Painted Freestanding Enclosure- Insulated
- Cabinet Heater with Thermostat Control
- AC Junction Box Mounted on Exterior of Enclosure
- All Rigid Conduit
- Wiring Terminated to Exterior Junction Box for Easy Field Install
- Tubing and Fittings are 316SS

### BENEFITS

- Removes free liquids from saturated gas streams
- Sample Booster Pump to Increase Sample Pressure to Adequate Analyzing Pressure
- Highly customizable
- Conforms to the API Manual of Petroleum Measurement Standards chapter 14.1



## PRODUCT DRAWING



Front View

## PRODUCT SPECIFICATIONS

Gas Sample Operating Pressure	5.0 psig (1.358 BAR) Type Z purge for dryer enclosure. Sample at negative pressure available upon request.
Maintains Sample Gas	Standard set point at 120°F (49°C) Adjustable from 60°F to 400°F (16°C to 204°C)
Electrical Classification	Class 1, Division 2, Group C & D
Construction	Stainless Steel or Painted Freestanding Enclosure-Insulated
Wetted Parts	316 SS
Input Supply Voltage Options	<b>115 VAC</b> , 960 Watts, 50/60 Hz, ± 10%
	<b>240 VAC</b> , 960 Watts, 50/60 Hz, ± 10%
	<b>24 VDC</b> , 960 Watts, 50/60 Hz, ± 10%

Use the bold alpha-numeric characters from the table above to build your model number:

MBGSCS - \_\_\_\_\_  
                  Input Supply Voltage

Analytically Accurate®  
**TECHNOLOGY**

### 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), Renewable Natural Gas (RNG), Liquefied Natural Gas (LNG) industries including Hydrogen Blending and Carbon Sequestration. 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.

Mustang Sampling, LLC  
43 Ritmore Glen  
Ravenswood, WV 26164  
P: +1 304 273 5357  
F: +1 304 273 2531

info@MustangSampling.com  
www.MustangSampling.com

Copyright© 2017-2024 Mustang Sampling.  
All rights reserved.  
Mustang Sampling®, Mustang®, MMSCP® and Analytically Accurate® are registered trademarks of Mustang Sampling, LLC.

U.S. Patents 9,535,045; 10,214,702.

No part of this publication may be reproduced in any material form without the written permission of Mustang Sampling, LLC.

MS-CSMBGSCS.v7-EN-P April 2024  
Supersedes: MSB-MBGSCS.v6