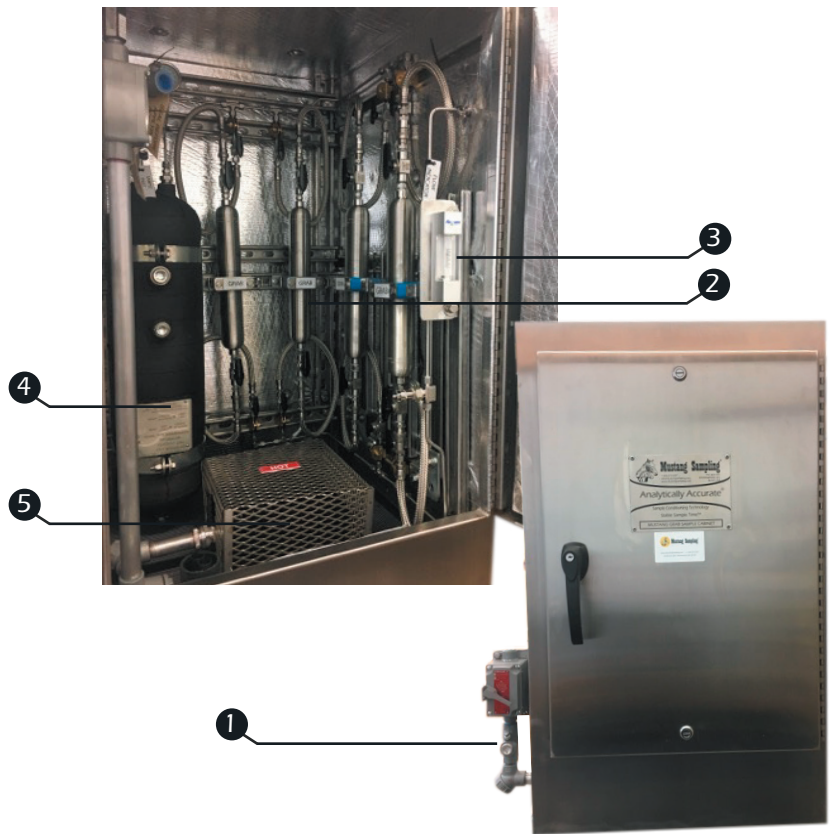




# Mustang Sampling<sup>®</sup>

## Mustang<sup>®</sup> Composite Grab Sampling System

Item Number	Description
1	Power Connection
2	Grab Sample Cylinders
3	System Flow Adjustment
4	Composite Accumulator with Patented Internal Mixing
5	Heater



### APPLICATION

The Mustang Composite Grab Sampling System is a waterless sampling system for Natural Gas Liquids (NGLs) and Liquefied Natural Gas (LNG). The system is a flow adjustable composite grab sampling system. The manual and/or auto flow adjustment sample time period is a composite of a predetermined sampling periods instead of a specific point in time. This results in a representative grab sample closer in agreement with other measured results. This process helps to negate the chance of a grab samples being taken during a process upset.

The sampling process is a cycle which begins with evacuating the tubing and sample cylinders throughout the system. As sampling commences, small fixed volumes of gas are captured and pumped into the accumulator. These volumes are adjustable in both size and sample frequency. Once the sampling process

is complete, the accumulated volume's composition is representative of the entire process cycle. The cycle can be repeated by replacing the sample cylinders and beginning the evacuation process.

### FEATURES

- Temperature controlled enclosure
- Quick Disconnect Cylinders
- ISO 8943 Compliant
- Optional Booster Pump for Higher Pressure Samples
- Compact Design
- Adjustable Flow/Sample Time
- NEMA 4X Enclosure

### BENEFITS

- Fast & easy sample cylinder retrieval
- Does not require building
- Suitable for custody transfer
- Small footprint
- More representative sample

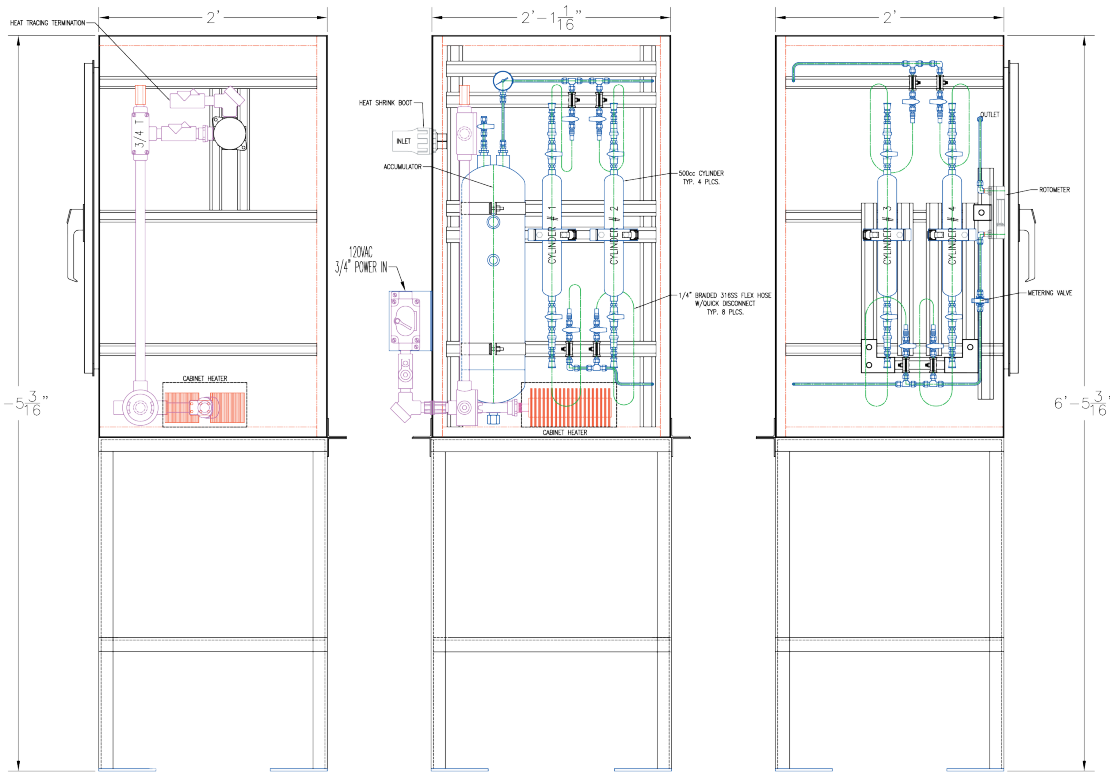


LNG



NGL

## PRODUCT DIMENSIONS



Left Side View

Front View

Right Side View



**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 © 2021 Mustang Sampling, LLC. All rights reserved. Mustang Sampling®, Mustang®, and Analytically Accurate® are registered trademarks of Mustang Sampling, LLC.

U.S. Patents 9,562,833; 10,429,278; D891,278

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

MS-CSMCGSS-EN-P June 2021

## PRODUCT SPECIFICATIONS

Maximum Allowable Working Pressure	800 psig (55 bar)
Heted Enclosure	80°F (27°C)
Adjustable Composite Flow	10 to 100 cc
Vacuum Purge	Less than 1 psia
Electrical Classifications	Class 1, Division 1 & 2, Groups B, C, D, T3 (CE Ex II 2 G Ex d IIB +H2 T3 Gb Zones 1 & 2)
Port Sizes	1/4" Tube Fitting Sample Inlet 1/4" Tube Fitting Sample Return
Conduit Connection	3/4" female NPT
Wetted Materials	Machined Parts: 316 SS/NACE Compliant All other metal parts: SS/NACE Compliant (other materials available upon request)
Input Supply Voltage Options	<b>120 VAC</b> , 200 Watts, 50/60 Hz, ± 10% <b>240 VAC</b> , 200 Watts, 50/60 Hz, ± 10% <b>230 VAC</b> , 200 Watts, 50/60 Hz, ± 10%
Optional Booster Pump	<b>PMP</b>

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

