



Mustang Sampling[®]

Mustang[®] Vaporizer

MV

The Mustang Vaporizer (MV) flash vaporizes liquid samples for introduction into gas analysis systems. Liquid samples are maintained near line conditions until reaching a flash chamber within the vaporizer, preventing pre-vaporization. The energy for vaporization is provided by an electric cartridge heater with sufficiently large surface area to maintain a stable gas temperature throughout the process.



APPLICATION

The MV is designed for flash vaporization of liquid samples including LNG, NGL, or other cryogenic liquids in petrochemical, refinery, liquefaction, or natural gas processing plants.

FEATURES

- Thermal cutoff
- Versatile conduit connections
- Integral heater and controller
- Integral flow restrictor on inlet
- Compatible with Mustang Intelligent Vaporizer Sampling System[®] - Model 1 & 2 for LNG

BENEFITS

- Heater cartridge does not contact sample fluid
- Provides five times more heat transfer capacity than vaporizing regulators
- Uniform liquid flash vaporization
- No premature flashing or partial fractionation



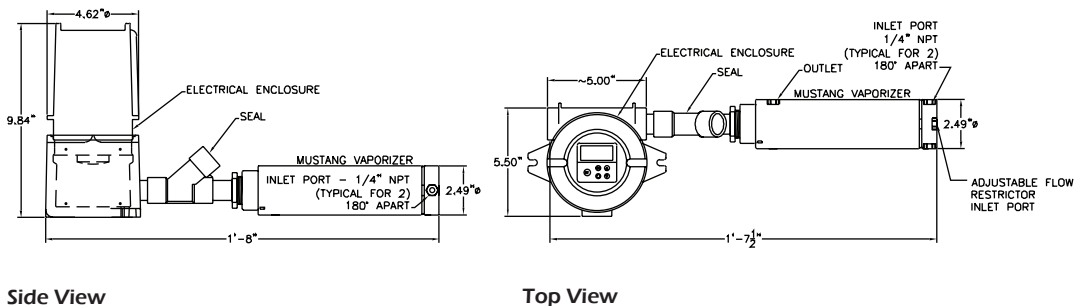
LNG



NGL



PRODUCT DIMENSIONS



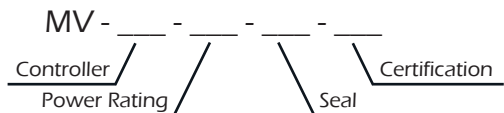
Side View

Top View

PRODUCT SPECIFICATIONS

| | |
|--|---|
| Maximum allowable working pressure | 3500 psig (241.3 bar) |
| Proportional Temperature Control Range | 0 to 500°F (-17 to 260°C) |
| Port sizes | 1/4" female NPT |
| Conduit connection | 3/4" female NPT |
| Internal volume | 40 cc |
| Thermal cut-off | Normally opens at 284°F (140°C) (other ranges available upon request) |
| Wetted materials | Machined parts: 316 stainless steel/NACE compliant All other metal parts: stainless steel/NACE compliant |
| Electrical enclosure classification | Class 1, Division 1 & 2, Groups C, D, T3 |
| Controller | W atlow O ven Industries |
| Power rating options | 115 VAC, 415 Watts, 50/60 Hz 208/230 VAC, 415 Watts, 50/60 Hz |
| Seal | V iton® K alrez® other materials available upon request |
| Certification | C - cETLus A - Atex/IECEX |

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



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), 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 pipeline 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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