



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 Mustang Vaporizer is designed for flash vaporization of liquid samples including Liquefied Natural Gas (LNG), Natural Gas Liquids (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



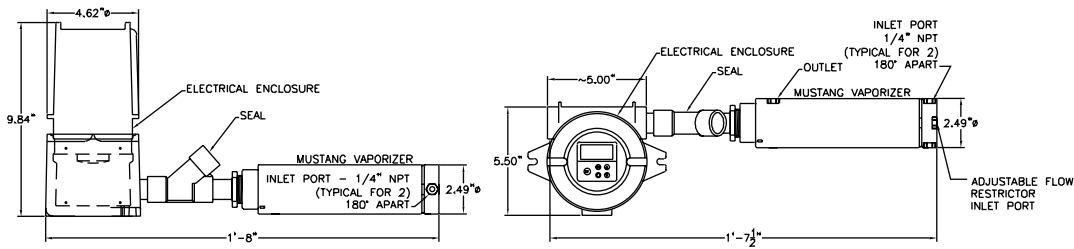
LNG



NGL



PRODUCT DIMENSIONS



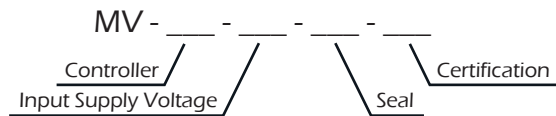
Side View

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	Watlow [®] Oven Industries
Input Supply Voltage Options	115 VAC , 415 Watts, 50/60 Hz 208/230 VAC , 415 Watts, 50/60 Hz
Seal	Viton [®] Kalrez [®] 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:



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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