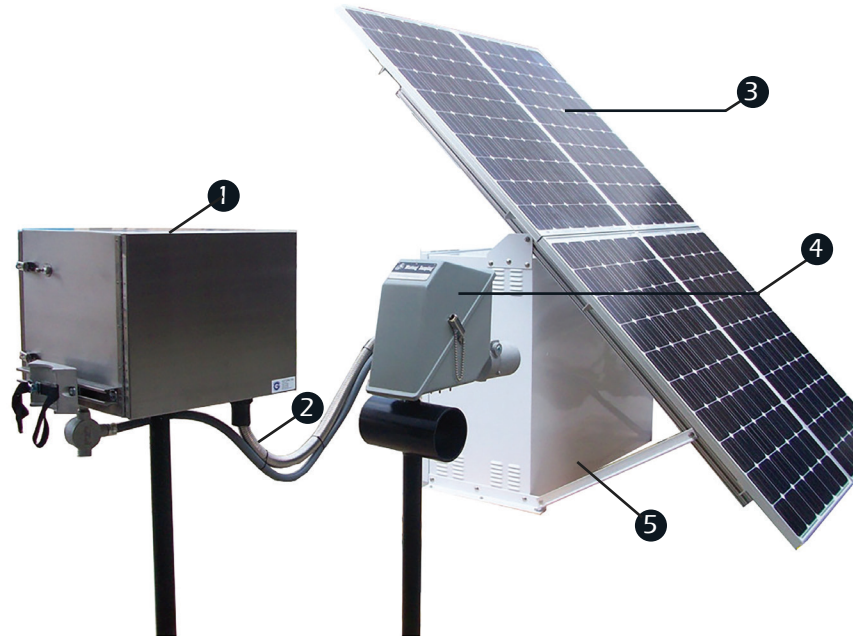


Solar Powered Pony[®] Sample Conditioning System



Mustang Sampling[®]

Item Number	Description
1	Analyzer and Gas Chromatograph
2	Vacuum Jacketed Tubing
3	Solar Panels
4	Pony [®] Sample Conditioning System
5	Galvanized skid mounted battery enclosure with lifting points



APPLICATION

The Solar Powered Pony[®] Sample Conditioning System is ideal for sampling wet natural gas or natural gas with or without a membrane tip probe. The Solar Powered Pony Sample Conditioning System obtains a sample extracted from a source such as a pipeline or well-head, conditions the extracted sample, transmits the conditioned sample through vacuum jacketed tubing to an analyzer while maintaining the sample at a temperature and pressure preventing phase transition, condensation or component partitioning. The system is closely coupled to the sample point, reducing the opportunity for richer gases to condense within sample tubing. The Solar Powered Pony Sample Conditioning System also protects the analyzer from damage by solids and liquids while delivering a representative sample to the online analyzers.

The entire system including the Gas Chromatograph is powered by an 1120 watt solar array that charges 24 VDC 1000 Ah battery bank.



Natural Gas

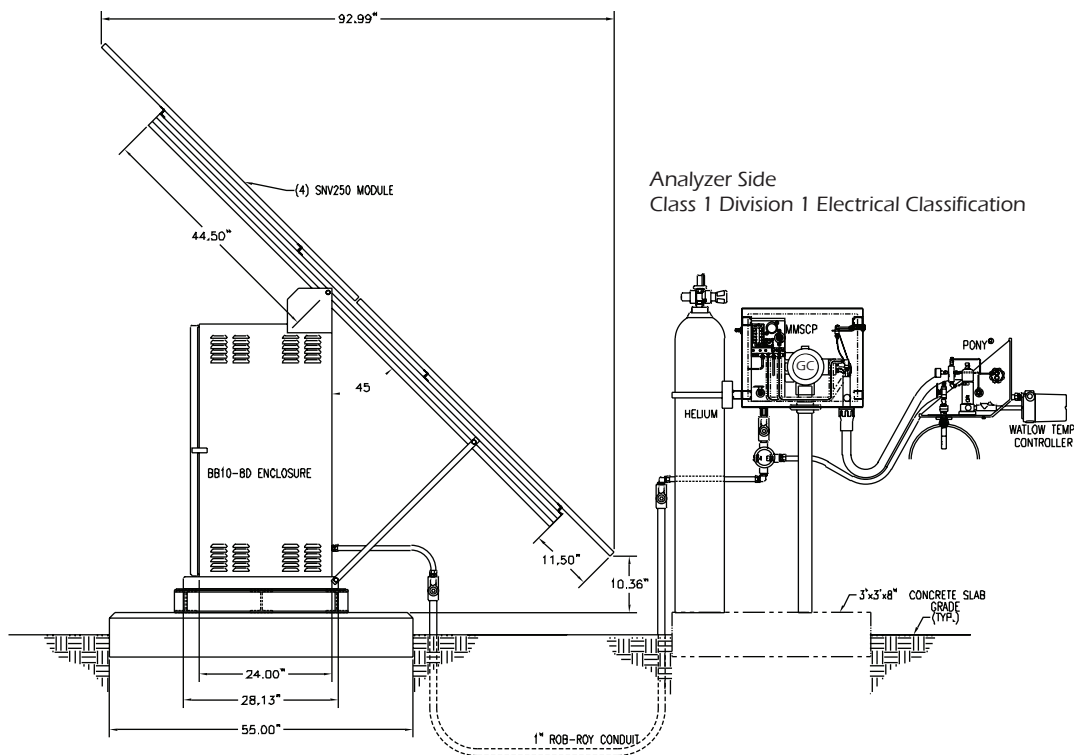
FEATURES

- Analyzer and Gas Chromatograph
- Rated for Class 1, Division 1, Group D locations
- Molded narrow clam shell design
- Steel latching closures
- Integral sample conditioning system
- Communication capability to the Gas Chromatograph, with optional Load controller & Watlow[®] heater controller
- Power for cellular modem, charge controller and load controller
- Galvanized skid mounted battery enclosure with lifting points

BENEFITS

- Low Power Consumption
- Compatible with Mustang CertiSeries[™] line of products
- Direct-mount on pipeline fitting between 6" center-to-center threadolets (TOLs)
- Protects probes from temperature and weather fluctuations
- Helps preserve sample integrity
- Prevents Joule-Thomson cooling
- Fits over existing probe brands
- Closely coupled to the sample point
- Solar panels shade the enclosure, housing the batteries and electronics
- Conforms to API 14.1 guidelines for hydrocarbon liquid removal and heat tracing

PRODUCT DIMENSIONS



Solar Panel Side
General Purpose Electrical Classification

Analyzer Side
Class 1 Division 1 Electrical Classification

Figure 1- Solar Powered Pony® Sample Conditioning System



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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U.S. Patents 7,162,933; D674,052 S; 9,459,185; 9,733,224

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MS-CSSPSCS.v4-EN-P December 2017
Supersedes: MS-CSPonySOLv3-EN-P

PRODUCT SPECIFICATIONS

Mustang Pony® Probe Enclosure	98°F (37°C)
Heating Components	140 Watt Cartridge Heater
Cabinet Construction	Hotpressed Glass Fiber Reinforced Polyester (GRP)
Available System Voltages	24 V @ 1000 Ah Battery Bank 115 VAC, 400 Watt Inverter for Laptop 24 VDC Supply for GC and Electronics
Runtime	5 days autonomy with no sun with less than 50% battery discharge
Solar Panel Power	1120 Watt Solar Array
Battery Power	(8) 250 Ah Batteries
Regulator Options	MHR™ Single-Stage Regulator MJTHR™ Multi-Stage Regulator

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

SPSCS - Regulator