



The safest and most versatile probes available on the market!

Liquid carry over from the pipeline into the sample conditioning system should be prevented when sampling natural gas as it can directly impact the accuracy of the compositional analysis and also damage the analyzer. Industry standards state that equipment used to remove liquid from the sample must be operated at flowing temperature and pressure conditions. Genie® Probes™ provide a means to insert Genie® Membrane Technology™ directly into a pipeline for the purpose of separating unwanted liquid and particulate from the gas sample at flowing temperature and pressure conditions, in compliance with industry standards.

The GP2™ probe consists of a housing and a membrane tip probe. The housing is installed in a depressurized pipeline through a vertically mounted thread-o-let or flange, and contains a "foot valve" in its lower end. Inserting the probe into the housing opens the "foot valve", allowing pipeline gas to flow freely through the membrane. Retracting the probe from the housing closes the foot valve, making it possible to perform probe maintenance without depressurizing the pipeline. This insertion/retraction method is considerably less expensive and complex than pneumatic or hydraulic methods.

An optional flow restrictor is available to prevent liquids from being forced through the membrane, and should be selected when the probe is being used in spot and composite sampling applications.



Product Brief

Applications

- Extract a representative sample from a multi-phase gas source
- Spot, composite or continuous gas sampling
- Protection against liquids
- Online and portable analyzers
- BTU, H₂S, Moisture, and others

Benefits

- API 14.1, GPA 2166 and ISO 10715 probe compliance
- Helps to preserve sample integrity
- Protects analyzers
- Helps to improve safety of personnel and equipment
- Does not require hydraulic fluid
- Probe maintenance without line depressurization

Features

- Genie® Membrane Technology™
- Vibration resistant
- No dead volume
- Low internal volume
- J-slot safety

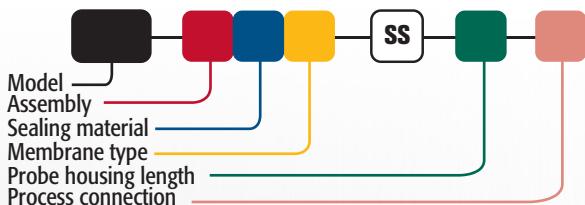


Model Numbering & Additional Part Numbers

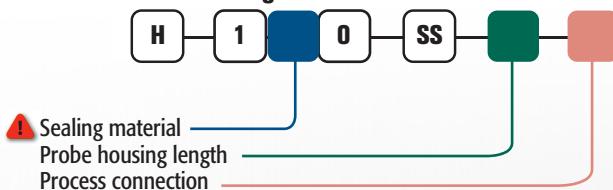
Your model number is determined by your specific needs. Choose options below.

| | | |
|--------------------------------------|---------------------------------|---|
| Model | GP2 = Probe w/ 1/8" FNPT outlet | GPCSA = Probe w/ adapter for YZ, PGI, & Welker Sampler |
| Assembly | 1 = without housing | 2 = with housing |
| Sealing material | 0 = Neoprene rubber | J = RGD resistant HNBR <i>(other materials available upon request)</i> |
| Membrane type | 6 = Type 6/BTU | 7 = Hi-Flow Backed |
| Probe housing length | Blank = 4" | B = 7" |
| Process connection | Blank = 3/4" NPT x 0.9 dia.* | 1 = 1" NPT x 1.1 dia. 1A = 1" NPT x 0.9 dia.* |
| | *Not recommended for welding | |
| Flow restrictor (recommended) | Part # ACC-SS-4-SRA2EA | 1/8" MNPT x 1/4" FNPT <i>(sold separately)</i> |
| Membrane replacement | Part # GP-506 | (contains 5 membranes per kit - sold separately) |
| | Part # GP-CMA-506 | (contains 2 complete assemblies - sold separately) |

How to build the model number:



How to build the housing model number:

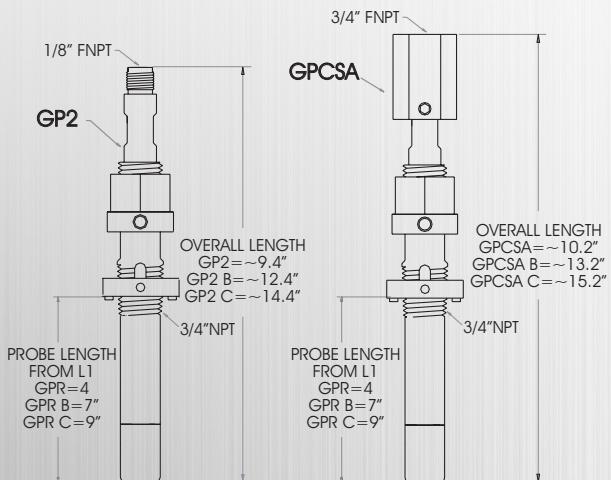


Not designed for external fire. Prior to use in a system, a properly sized relief device is to be installed which limits the use to 110% of the MAWP.

Dimensions

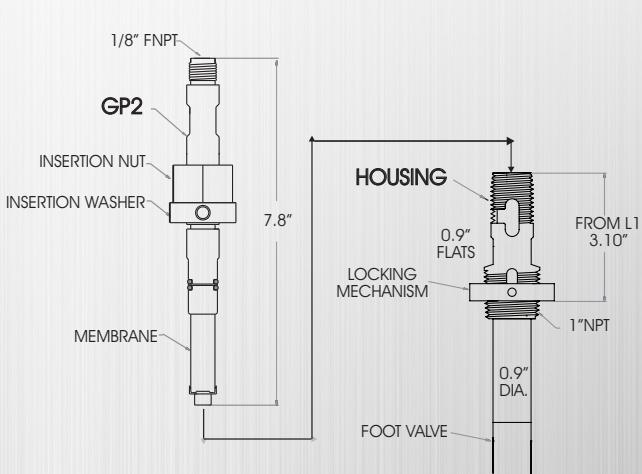
Inserted

3/4" NPT x 0.9" DIAMETER HOUSING SHOWN



Extracted

1" NPT x 0.9" DIAMETER HOUSING SHOWN



Local Distributor

A+ Corporation is the leader in Analytically Correct™ Sample Extraction and Conditioning Systems.

Contact us for expert product application assistance.

sales@geniefilters.com > 225.644.5255 > Fax 225.644.3975

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