

# GENIE

membrane probe  
Model GP1™



## Quick Study

**The GP1™** is a simple, safe, and economical solution to extracting a representative gas sample from a source even when entrained liquids are present. It is lower in cost than the GP2™ since it is designed for metering runs that can be routinely depressurized. Depressurization will only be required for installation and membrane replacement. The GP1™ is available in 3" and 4.5" insertion lengths. Additional information such as Price Sheets, FAQs, and Application Notes are conveniently available from A+ Corporation, LLC. Please call or send a request by e-mail.

## Applications

- ▶ Spot, composite, or continuous gas sampling in any process industry including natural gas, petrochemical, and oil refining
- ▶ Analyzer protection against liquids
  - ▶ On-line and portable
  - ▶ GC's, Mass Specs, O<sub>2</sub>, H<sub>2</sub>S, Moisture, and others
- ▶ Extract a gas sample from a pipeline
- ▶ Gas sample conditioning inside the pipeline

## Benefits

- ▶ Helps preserve sample integrity
- ▶ Helps improve safety of personnel and equipment
- ▶ Protects analyzers
- ▶ Reliable
- ▶ Durable
- ▶ Economical

## Features

- ▶ Genie® Membrane Technology™
- ▶ Simple design
- ▶ Single-piece, machined housing - no welding
- ▶ Vibration resistant

## Tech Specs

Maximum allowable working pressure	2,000 psig
Maximum temperature	185 °F
Maximum recommended membrane flow rate (for higher flow rates contact the factory)	6,000 cc/min for Type 5 & BTU membrane* *Maximum flow results in approximately 2 psi membrane differential pressure
Internal volume	3" probe: 8.1 cc 4.5" probe: 8.2 cc
Port size	Outlet: 3/4" female NPT
Housing mounting	3/4" male NPT
Thread-o-let requirement	3/4" female NPT* *The inner diameter of all openings in pipe wall and thread-o-let must not be less than 0.910"
Wetted materials	Machined parts: 316 stainless steel / NACE compliant All other metal parts: stainless steel / NACE compliant O-ring: Neoprene (other materials available upon request) Membrane: inert

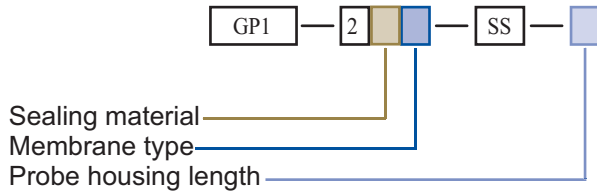


# Model Numbering

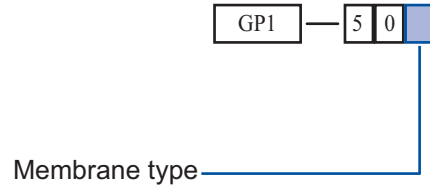
Your model number is determined by your specific needs. Choose options below.

<b>Sealing material</b>	0 = Neoprene (Other materials available upon request)	
<b>Membrane type</b>	5 = Type 5	6 = BTU
<b>Probe housing length</b>	Leave Blank = 3"	A = 4.5"

How to build the model number:

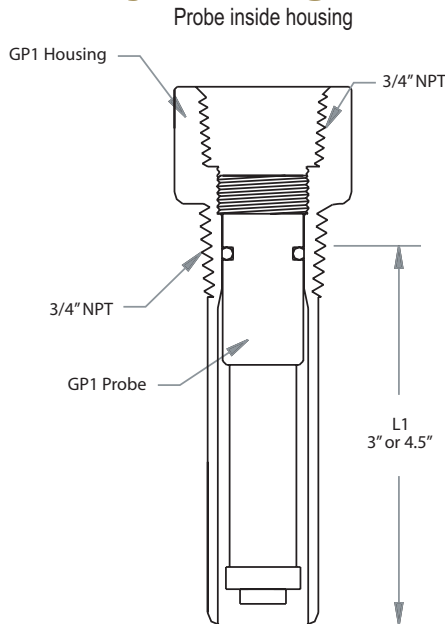


How to build the membrane kit number:

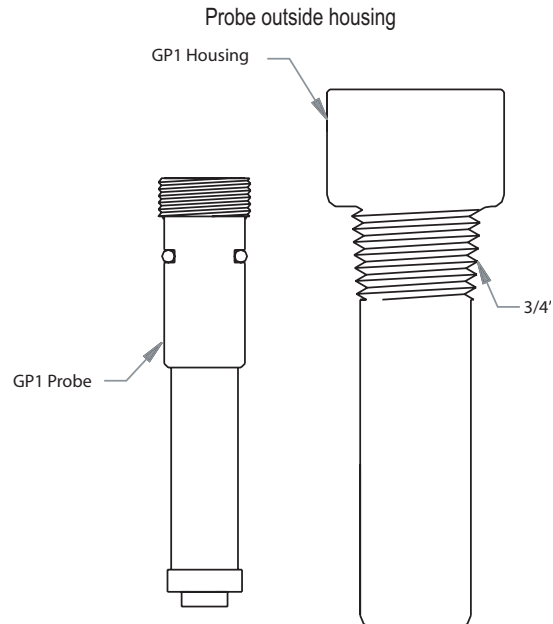


## Dimensions

### Cutaway Housing Side View



### Side View



### Local Distributor:



### Manufacturer

**A+ Corporation, LLC**

41041 Black Bayou Rd.

Gonzales, LA 70737

Call for expert product application assistance:

Phone: (225)-644-5255 Website: [www.geniefilters.com](http://www.geniefilters.com)

Fax: (225)-644-3975 E-mail: [sales@geniefilters.com](mailto:sales@geniefilters.com)