



The safest and most versatile probes available on the market!

The GPHV™ was designed sampling from high velocity gas streams. The thick walled probe, which is machined from a single piece of stainless steel, has a high natural resonant frequency that allows it to withstand the destructive forces of fluids flowing at high velocities. This model must be installed in a depressurized line. A Genie® 133 Probe Assembly option is available for gas sampling applications where a membrane tipped probe cannot be used. This simple assembly includes a Genie® Supreme Model 133 Membrane Separator™ mounted onto the outlet of a Genie® Model GPHV General Purpose Probe. See Genie® 133 literature for details.



Technical Specifications

Maximum Pressure Rating	4,500 psig (310.3 barg)
Maximum Temperature	300 °F (149 °C)
Maximum Velocity	4" probe: >100 ft/sec 10" probe: 56 ft/sec
Internal Volume	4" probe: 3.62 cc 10" probe: 8.44 cc
Port Size	Outlet: 1/4" female NPT
Process Connection Requirement	1/2" male NPT
Thread-o-let Requirement	1/2" female NPT The inner diameter of all openings in pipe wall and thread-o-let must not be less than 0.690"
Wetted Materials	Machined parts: 316/316L stainless steel / NACE compliant All other metal parts: stainless steel / NACE compliant

Product Brief

Applications

- Extract a gas sample from a pipeline for use in an analyzer
 - On-line and portable analyzers
 - GC's, Mass Specs, O₂, H₂S, Moisture, and others
- Spot, composite, or continuous gas sampling in any process industry including natural gas, petrochemical, and oil refining
- High velocity gas streams

Benefits

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

Features

- Simple design
- Single-piece, machined housing
 - no welding
- Vibration resistant



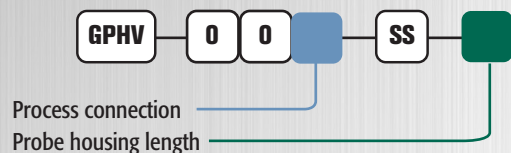
Model Numbering & Additional Part Numbers

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

Process connection 0 = 1/2" NPT

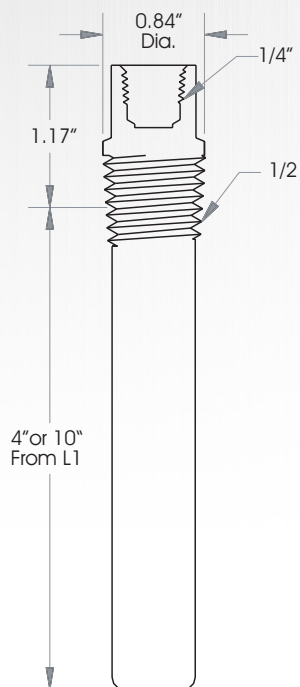
Probe housing length Blank = 4" insertion length 10 = 10" insertion length

How to build the model number:



Dimensions

Side View



Analytically Correct™ sample systems, sample conditioning components, and revolutionary gas and liquid sampling technology.

Contact us for expert product application assistance.

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