GENIE® GPHV
General Purpose Probe

The safest and most versatile probes available on the market!

The GPHV™ was designed sampling from high velocity gas streams. The probe is machined with thick walls and from a single piece of stainless steel. By design, the probe possesses a high natural resonant frequency and can withstand the destructive force of fluids flowing at high velocity. 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 ºF (149 ºC)
Maximum Gas 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	1/2" male NPT
Thread-o-let Requirement	The inner diameter of all openings in pipe wall and thread-o-let must not be less than 0.690".
Wetted Material	**Machined part:** 316/316L stainless steel / ISO 15156-3 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, O_2, H_2S, Moisture, and others
- 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

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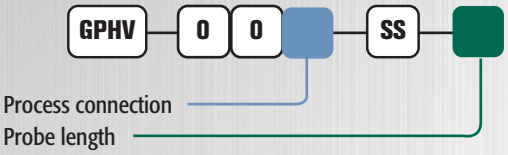
Model Numbering & Additional Part Numbers

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

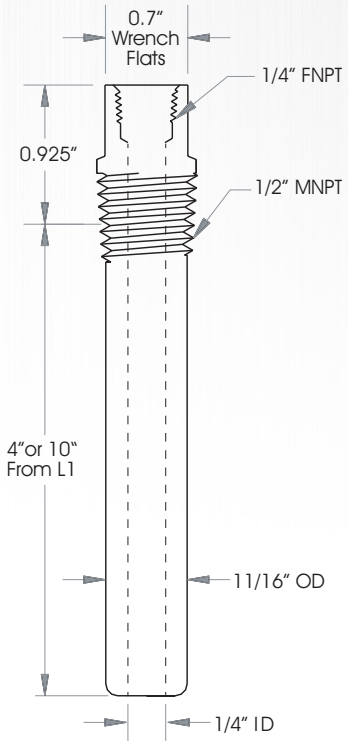
Process connection	0 = 1/2" NPT	
Probe length	Blank = 4"	10 = 10"

How to build the model number:



Dimensions

Side View



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

Contact us for expert product application assistance.
1.225.644.5255
sales@geniefilters.com

geniefilters.com
41041 Black Bayou Road, Gonzales, Louisiana 70737

MADE IN USA

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