



## 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 gases flowing at high velocities. This model must be installed with a depressurized line.

### Technical Specifications

Maximum pressure rating	4,500 psig
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	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 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, O<sub>2</sub>, H<sub>2</sub>S, 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



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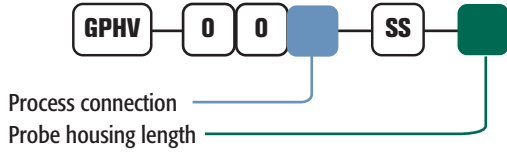
## Model Numbering & Additional Part Numbers

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

**Process connection** 0 = 1/2" NPT

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

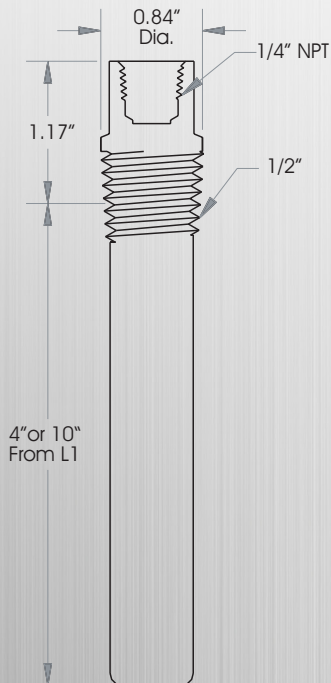
How to build the model number:



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

### Side View



**DASTEC** S.R.L.

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

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