



AMS, Inc.
105 Harrison Street
American Falls,
Idaho 83211

800.635.7330
208.226.2017
fax: 208.226.7280
ams@ams-samplers.com
www.ams-samplers.com

The world's finest
sampling equipment.

Original Gas Vapor Probe (GVP)

DESCRIPTION:

The AMS Original Gas Vapor Probe was designed to extract vapor samples around underground fuel tanks or any container that holds a volatile liquid that could potentially contaminate the soil if a leak occurs.

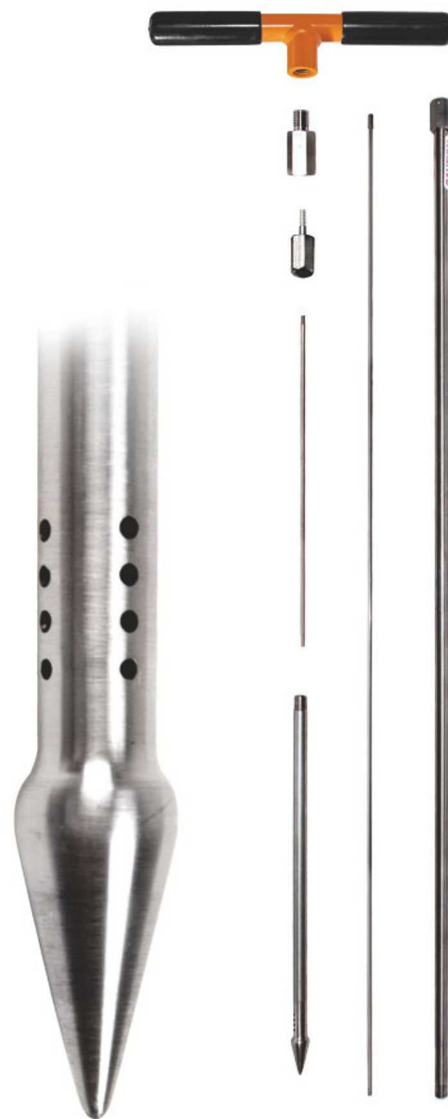
The tip of the probe is constructed out of stainless steel and is heat treated and hardened. The tip is a rounded point that is formed to a diameter that is slightly larger than the drive extensions. The tip makes a 5/8" diameter hole and the extensions are 1/2" in diameter. Just above the formed part of the tip, there are a series of small holes. These milled holes in the tip serve as the vapor inlet holes.

The vapor probe tip is driven into the ground by one of two means; with the 10 pound slide hammer attachment or (if the soil allows), it can be pushed manually into the soil with a 10" cross handle.

Stainless steel extensions are available for the gas vapor probe. These extensions come in lengths of either 3ft. or 4ft. The extensions are coupled together by a 5/8" OD coupling with 1/2" national fine thread. When the drive extensions are coupled together, the ends of the extensions butt against each other inside the coupling. By doing this, the force exerted when driving the sampler is concentrated on the 'extension walls' rather than on the threads. By adding extensions, the probe can be inserted to depths up to 12ft. or more depending on the soil lithology. When coupling the extensions together we suggest that they be tightened to approximately 30ft. pounds of torque.

Each GVP extension comes equipped with a 3/16" internal rod. The liner rod is also constructed of stainless steel. With the liner rod installed inside the extensions, the small coupling protects the vapor inlet holes from filling with dirt and plugging the inside of the extensions where the soil gas will eventually flow. After the probe has been inserted to the desired depth, the drive end and the internal liner rods are removed from the sampler. A vapor extraction fitting is installed on the probe.

The vapor extraction fitting includes a 3/16" barbed tubing adapter. A length of Teflon or plastic tubing can now be pushed onto the barbed adapter. The other end of the tubing can be attached to a vacuum pump or SUMA canister in order to extract the soil vapor sample.



ORIGINAL GAS VAPOR PROBE

- | | |
|--------|---|
| 401.26 | 10" Cross Handle with Grips |
| 427.04 | Original GVP SST Bas Adapter |
| 427.06 | GVP Base Section w/Liner Rod, Couplings
and GVP Hammer Adapter |
| 427.02 | 3' GVP Extension w/Liner Rod, Coupling |
| 427.05 | 4' GVP Extension w/Liner Rod, Coupling |
| 427.11 | GVP Barbed Adapter for 3/16" ID Tubing |

Sampling Equipment

PowerProbe

Well Management

Pest Control

PowerCore