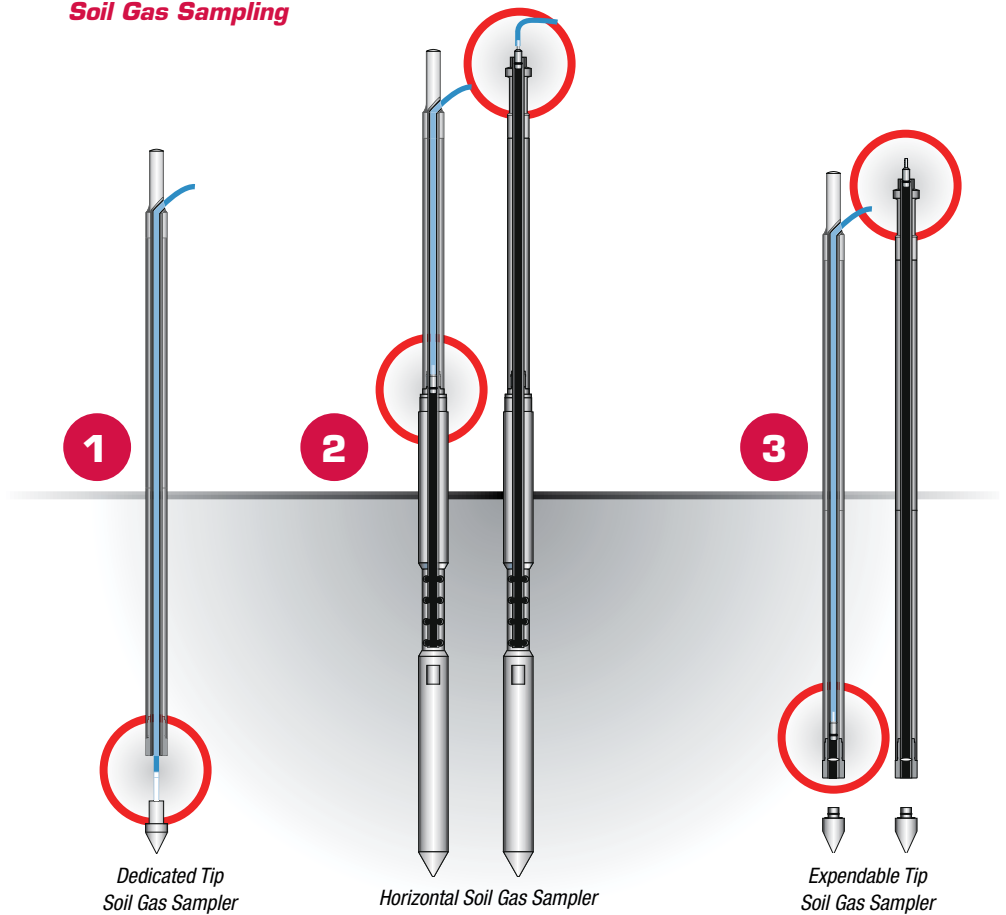


Soil Gas Sampling with Direct Push

Soil gas sampling with direct push methods are commonly used with soil gas surveys for the investigation of volatile organic compounds. AMS offers a soil gas sampling system with a number of options to allow sampling for a wide variety of regulatory and standard procedures.

Soil Gas Sampling



Soil Gas Sampling Application:

The soil gas sampler is small-diameter tooling consisting of direct push extensions with expendable, retractable, or dedicated drive tips. The tooling is driven into the subsurface through the direct push of the PowerProbe™. When they are at the desired depth, the drive point is retracted or detached by pulling back on the tooling, exposing an inlet section with holes or a screen. The purging and sampling may begin using an AMS vacuum pump, vacuum station, or other sampling instrument.

Dedicated Tip Designed to be pushed single tube without pre-boring and collect a point source soil gas sample. The tubing and tip can be left in place for future assessment of the job site using the same sampling point.

Horizontal Soil Gas Sampler

To ensure an accurate sample from a very precise target sampling point, the horizontal soil gas sampler is your tool.

Expendable Tip Designed to be pushed single tube without pre-boring and collect a point source soil gas sample.

Recommendation Use the 1 5/8" or 1 1/4" with single tube tooling only.

- Ability to penetrate
- Efficient rate of penetration
- Seal the top
- Expend the tip
- Purge the ambient air at low flow
- Finish by extracting using a low flow vacuum

Recommendation Use the 1 1/4" expendable tip for a dual tube install.

- Drive down with dual tube system
- Pull out internal dual tube components
- Drop Bentonite
- Hydrate with water
- Drop the single tube down
- Push through Bentonite, generating a seal
- Purge the ambient air at a low flow
- Finish by extracting using a vacuum



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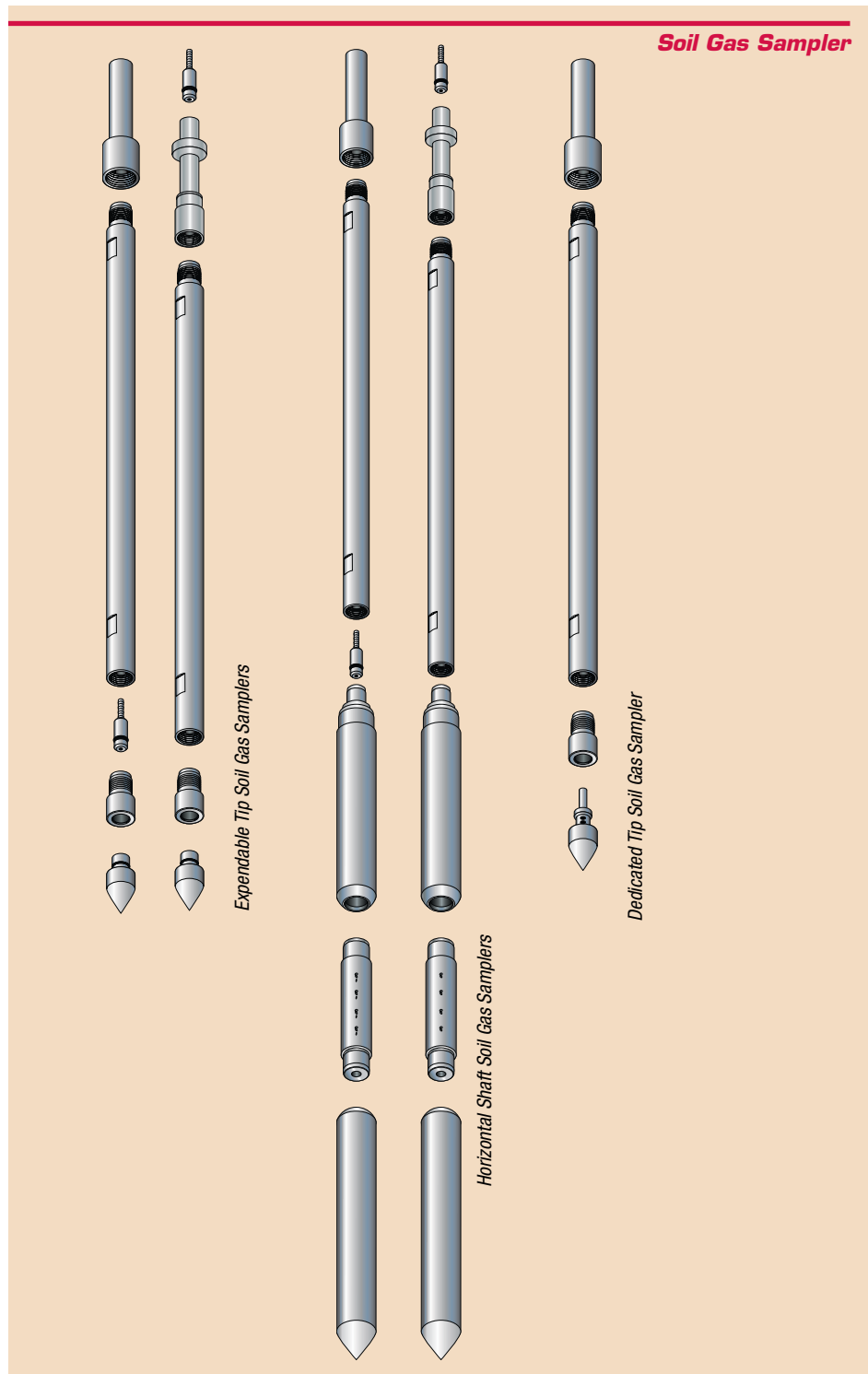
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Soil Gas Samplers

Soil gas samplers are used to take samples of soil gas from the vadose zone. They sample primarily volatile organic contaminants and are used during a soil gas survey and/or a soil gas investigation.

Features

- Rapidly collect the sample at specific depths.
- Penetrate to sampling point quickly.
- Easy to use and easily adapts to existing tooling.
- Inexpensive survey tool.
- Use in a wide variety of methods.



1 5/8" Tooling

52263	1 5/8" w/ 1 1/4" Thread - Fishing Tool
5008.27	1 5/8" w/ 1 5/8" Thread - Fishing Tool
5006.99	0-Ring Kit for 1 5/8" DP Extensions (25)
52644	1 5/8" Mako Tip
52744	1 5/8" Dedicated Monitoring Tip Set with Dedicated Monitoring Tip Holder
52745	1 5/8" Dedicated Monitoring Tip Holder
52746	Replacable Screen for Dedicated Monitoring Tip
52747	Dedicated Tip Set including Barbed Insert Connector, Screen, and O-Ring
52748	Replacement O-Ring Kit (25) for 52747
210.05	3/16" Barbed Insert Connector
5008.28	1 5/8" Thread Chaser
5008.29	1 5/8" Thread Protector Cap
5006.96	1 5/8" Injection Coupler
52642	2 1/4" Drive Cap w/2" Hex for 1 5/8" Internal Tooling
52643	2 1/4" Internal Drive Point Hex Holder w/Bit for 1 5/8" Internal Tooling
5006.94	1 5/8" x 4' DP Extension

1 1/4" Expendable Tip Soil Gas Sampler

5005.86	1 1/4" Drive Head Adapter
5005.74	1 1/4" x 4' DP Extension
5004.58	50 Mesh Stainless Screen for Tip Holder
5004.55	1 1/4" Expendable Tip Holder, Threaded
5005.80	1 1/4" Pull Cap
5004.56	1 1/4" Expendable Tip
5004.45	Twist-to-lock Connector, 3/16" ID
5004.43	Twist-to-lock Connector, 1/4" ID

1 1/4" Dedicated Tip Soil Gas Sampler

5005.86	1 1/4" Drive Head Adapter
5005.74	1 1/4" x 4' DP Extension
5004.57	1 1/4" Dedicated Tip Holder, No Thread
5004.52	1 1/4" or 1 1/8" Dedicated Tip, Threaded
210.05	3/16" Barbed Insert

Tubing and Expendables

5004.47	48 Silicone Tube #15 x 50'
5008.07	O-Ring Kit for 1 3/4" DP Extension
5004.66	Stainless Steel #120 Mesh Screen for Expendable Drive Tip Holders
5004.59	Stainless Steel #100 Mesh Screen for Expendable Drive Tip Holders
5004.48	48 Silicone Tube #15 x 500'
5004.41	Poly Tube 3/16" ID x 1/4" OD x 500'
5004.42	Poly Tube 3/16" ID x 1/4" OD x 250'
214.98	3/16" ID x 1/4" OD Fluoropolymer Tubing (50')
214.99	3/16" ID x 1/4" OD Fluoropolymer Tubing (100')
215.00	3/16" ID x 1/4" OD Fluoropolymer Tubing (250')
215.03	1/4" ID x 3/8" OD Fluoropolymer Tubing (50')
5004.58	50 Mesh Stainless Screen for Tip Holder
5004.83	O-Ring for Expendable or Dedicated Tip
5008.02	O-Ring Kit for 1 1/4" DP Extensions (25)
5006.99	O-Ring Kit for 1 5/8" DP Extensions (25)
5004.46	Twist-to-lock O-Ring (each)

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