

The Snap Sampler® System reduces sampling costs while providing high sample quality and accuracy. Passive groundwater sampling is a proven alternative to purging and sampling, and the best choice among passive samplers is the Snap Sampler® passive sampling system. Applicable to almost any site where purging and sampling are used, it's also the good alternative in low-yield wells, deep wells and very short water columns that can be challenging for pump systems. The Snap Sampler® passive sampling system provides efficiency and ease of operation – can be used to sample for a wide range of target contaminants.

FEATURES

- Faster sampling with no purging
- No limitations on analyte testing
- Enhanced sampling consistency
- Samples are collected inside the well
- No-pump, no-pour passive sampling
- Now available with PFAS “Zero” materials

BENEFITS

- Sample more VOCs in less time
- Test for all, SVOC metals and PFAS
- Quicker determination of data trends
- Minimizes VOC loss, oxidation and sample contamination
- No purge water waste

SPECIFICATIONS

Input Power	<i>Pneumatic System</i>	12V Air Pump
	<i>Trigger Activating Pressure</i>	10-30 PSI (.69-2 bar) – typical
	<i>Pressure Block</i>	Includes fittings and gauge for applying pressure from pump to pneumatic actuator
Maximum Operating Pressure¹		80 PSI (5.5 bar)
Minimum Operating Pressure¹		~10 PSI (~.69 bar)
Maximum Sampling Depth		2,500 ft. (609 m)
Capacity		Up to 6 Snap Samplers in any combination can be "stacked" with one actuator
Operating Temperature		0° to 100°C
Input Protection		Pressure Block has 80 PSI (5.5 bar) relief valve
Weight	<i>40 mL Snap Sampler</i>	3 oz. (85 g) – each, empty
	<i>125 mL Snap Sampler</i>	3 oz. (85 g) – each, empty
	<i>250 mL Snap Sampler</i>	3 oz. (85 g) – each empty
	<i>Pneumatic Actuator</i>	13 oz. (368 g)
	<i>Stainless Steel Weight</i>	3.1 lb. (1.4 kg) – optional
Length	<i>40 mL Snap Sampler</i>	8 in. (20 cm)
	<i>125 mL Snap Sampler</i>	10.5 in. (26.7 cm)
	<i>250 mL Snap Sampler</i>	14 in. (356 mm)
	<i>Pneumatic Actuator</i>	11 in. (27.9 cm)
Outer Diameter	<i>40 mL Snap Sampler</i>	1.7 in. (4.3 cm)
	<i>125 mL Snap Sampler</i>	1.85 in. (4.7 cm) – with 125 mL bottle
	<i>250 mL Snap Sampler</i>	1.8 in. (4.5 cm) – with 250 mL bottle
	<i>350 mL Snap Sampler</i>	3.4 in. (8.6 cm) – with 350 mL bottle
Min. Well I.D.	<i>40 mL Snap Sampler</i>	2 in. (5 cm)
	<i>125 mL Snap Sampler</i>	2 in. (5 cm)
	<i>250 mL Snap Sampler</i>	2 in. (5cm)
	<i>350 mL Snap Sampler</i>	4 in. (10 cm)
Materials	<i>Snap Sampler Modules, Blue Screws, Twist-on Connectors, Release Pins, Pneumatic Actuator Assemblies</i>	Acetal/Glass-filled Acetal
	<i>Bottles</i>	Glass or HDPE
	<i>Snap Caps</i>	PFA or Acetal on “Zero” Bottles
	<i>Bottle Spring</i>	316 Stainless with PFA Coating on Standard Bottles 316 Stainless with no coating on Zero Bottles
	<i>O-rings</i>	FKM (Viton) or EPDM in PFAS “Zero”
	<i>Trigger Tubing</i>	HDPE
	<i>Manual Trigger Cable</i>	302 Stainless with Nylon Coating

¹ Operating pressure not dependent on depth; activating pressure depends on number of samplers deployed in one string, and unit specific efficiency.



CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

2650 East 40th Avenue • Denver, Colorado 80205

(303) 320-4764 • FAX (303) 322-7242

email: sales@geotechenv.com • website: www.geotechenv.com

SYSTEM COMPONENTS

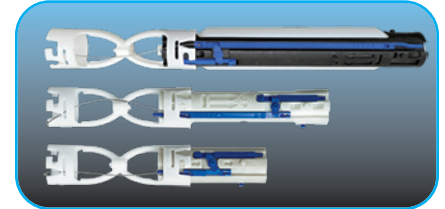
Samplers

40 mL Snap Sampler

250 mL Snap Sampler (Holds 250 mL Bottles)

125 mL or 350 mL Snap Sampler (holds 125 mL and 350 mL bottles)

Note: Stack in any combination up to 6 on one trigger line; Snap Samplers come with stainless connector cables between samplers as required.



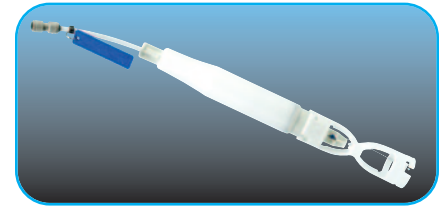
Trigger

Pneumatic Trigger (for deployments up to ~600ft./183 m)

Downhole Pneumatic Actuator – approx. 30 psi (2 bar) to activate, any depth

Trigger Air Line Construction (cut to length, plus hangers and fittings)

Plus Air Line Tubing per foot (1/4" x 1/8" HDPE)



Accessories (for secure well head protection and support of Snap Trigger lines)

2-Inch (5-cm) Dock (locking well cap plus support ring, for SCH40 and SCH80 PVC)

4-Inch (10-cm) Dock (locking well cap plus support ring, for SCH40 and SCH80 PVC)

3 lb. (1.4 kg) Stainless Steel Weight is recommended with pneumatics deeper than ~100 ft./30 m



Sampling Containers

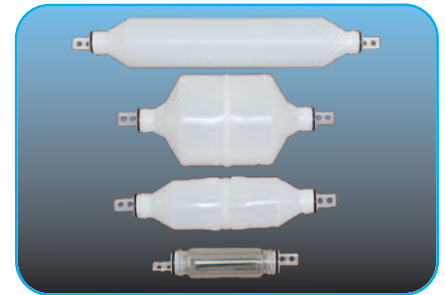
Package of two 40 mL Snap Sampler VOA vials, includes septa caps and labels*
Amber VOA vials are also available

One 125 mL Snap Sampler POLY bottle, includes septa caps and label*

One 250 mL Snap Sampler Poly bottle, includes septa caps and label*

One 350 mL Snap Sampler POLY bottle, includes septa caps and label*

* For the first deployment you will need two bottles: One for the first sample, and one to replace in the Snap Sampler for the next sampling event.



Tools and Supplies:

Tool kit for Pneumatic trigger system, includes air pump, pressure block with gauge, battery and charger, SNAP-M-Toolkit with Snap Sampler screwdriver and clipper tools, replacement parts, SOP, laminated picture instructions, in Pelican case.



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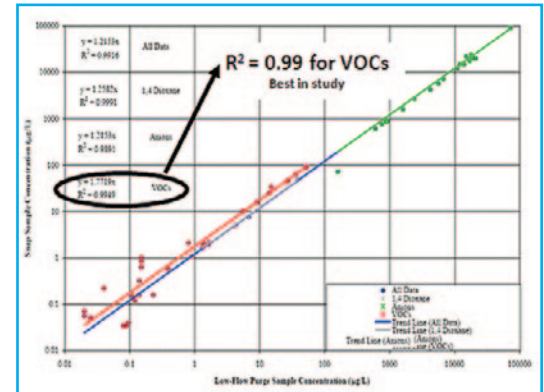
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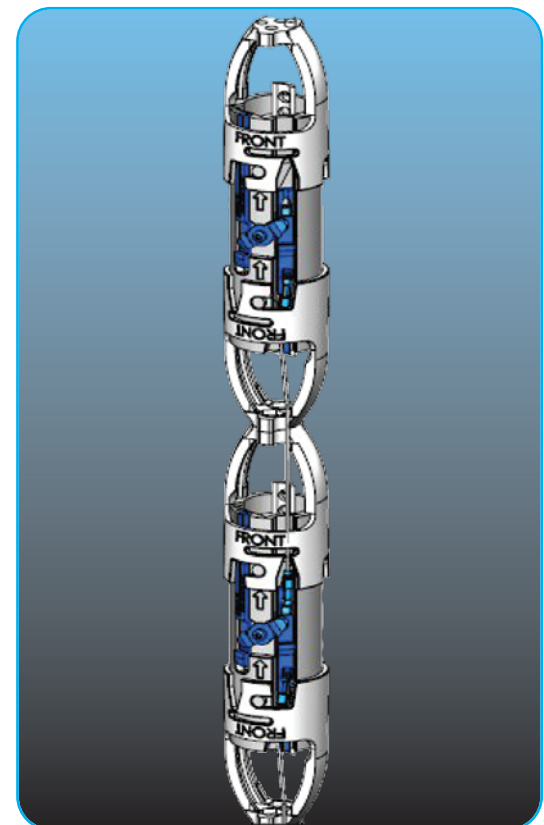
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20 REASONS TO CHOOSE THE SNAP SAMPLER® FOR GROUNDWATER MONITORING...

1. *Technology adds value* – this is not just a bailer replacement – the Snap Sampler is a completely different and better way to sample: *Seal your sample in lab-ready bottles before you even remove it from the well.*
2. *Snap Sampling eliminates purging* – saving time and avoiding purge water waste.
3. Snap Sampling can be used for *ANY analyte*.
4. Snap Sampling is proven to be *equivalent to low flow purging and sampling*: There are 5 Department of Defense ESTCP reports; a peer-reviewed journal paper in *Environmental Science & Technology*; no negative bias for specific chemicals; and no question about where the sample comes from. In other words: the Snap Sampler *works as advertised* for all analytes.
5. A new *ASTM Standard D7929-14* for passive sampling makes method conversion easy and eliminates concerns about defensibility.
6. Simple *one-person assembly and operation*.
7. *No heavy lifting* of water or equipment.
8. Modular system *made for your sampling needs* – no more, no less.
9. *Deep* sampling to at least 2,500 feet.
10. No motion and *no agitation* of the device during sample collection – just activate closure of the Snap Sampler bottles in place.
11. Passive equilibration at a fixed position captures the *exact same sampling position every time*.
12. *Collect the volume you need* for most applications – no more, no less.
13. *Lifetime warranty* on dedicated downhole gear – lasts as long as the well.
14. Dedicated equipment *avoids chemical sorption concerns*.
15. *VOC and dissolved gas sampling virtually perfected* with VOA vials sealed in the well and never exposed.
16. *Simple logistics* – just bring replacement bottles to replace those you collect as samples.
17. Sampler and bottle materials are *more chemically inert than the well itself* – no worries about corrosion or malfunction due to adverse geochemistry.
18. Cost is *similar to other dedicated sampling systems* – like low flow bladder pumps – and you buy only what you need for the application. Ongoing savings of 50%, 60% or more is often achieved.
19. *Consistent sampling adds further value* to long-term-trend monitoring.
20. Indirect cost savings achievable through *better data*.



Low Flow vs Snap Sampler®



2 VOA-size Snap Samplers. Up to six in different combinations can be assembled together.

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