

FlexFoil Sample Bags

For Methane, Hydrogen Sulfide, CO/CO₂, and Other Gases

- **Superior storage stability for gases not stable in other bags**
 - Not recommended for low ppm to high ppb organic vapors due to background levels from bag constituents
- **The only bag that effectively holds hydrogen sulfide for 2 days!**
- **Minimal adsorption and absorption**
- **Protect light-sensitive compounds**
- **Choice of all-in-one polypropylene or stainless steel hose/valve and septum fittings**
- **Strong, flexible, evenly sealed 4-ply (5-mil) material is water and vapor-proof**
- **Specified in publication on exhaled breath analysis for volatile sulfur compounds**
- **Stocked in a variety of sizes, custom bags available**



FlexFoil Sample Bag with Grab Air Sample Pump

The FlexFoil Sample Bag Advantage

- **Prevent permeation:** Four layers of foil material prevent permeation into and out of the bag.
- **Inert:** The inside surface is inert, minimizing absorption and adsorption of compounds.
- **Strong:** SKC FlexFoil Sample Bags have strong, evenly sealed seams making them ideal for mailing or shipping to a laboratory for analysis. The four-layer foil material is tough, flexible, and water/vapor-proof.
- **Protective:** Protect light-sensitive compounds without the use of an outer container.

Description

SKC FlexFoil® Sample Bags provide light and moisture protection for low molecular weight chemicals such as hydrogen and sulfur compounds that are unstable when collected into standard sample bags for VOCs. Use a low flow air sample pump with exhaust port, such as the Grab Air Sample Pump (Cat. No. 222-2301), with SKC FlexFoil Sample Bags.

Applications*

- Biogas and landfill gas (LFG) sampling
- Pollution level monitoring
- Site sampling and mobile surveys
- Breath analysis
- Calibration gas transfer
- Calibration mixtures
- Leaks and spills exposure assessment
- Indoor air studies (CO, CO₂)
- Carbon dioxide in workspace atmospheres (OSHA ID-172)
- Carbon dioxide (NIOSH 6603)
- Carbon monoxide (OSHA ID-210[‡])

* FlexFoil Sample Bags are not suitable for collecting low ppm to high ppm VOCs due to the constituents of the FlexFoil material. See Tedlar, SamplePro® FlexFilm, or FluoroFilm material at www.skinc.com.

‡ Method specifies 5-layer foil bags. SKC 4-ply FlexFoil bags hold 100 ppm CO for 5 days without loss. See www.skinc.com/prod/245-01.asp.



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About FlexFoil Sample Bag Fittings

SKC FlexFoil Sample Bags are available with an easy-to-use single septum fitting made of stainless steel or polypropylene. Choose the fitting that best fits your application.

Stainless Steel Fitting: This unique, patented fitting combines the hose/valve and septum fittings into one easy-to-use unit. Fitting construction prevents leakage and ensures that the sample is exposed to only inert materials. This fitting reduces the cost and overall weight of using stainless steel when stainless steel fittings are specified.



Polypropylene: The industry standard, this patented lightweight, inert fitting combines the hose/valve and the septum holder into one compact fitting.



Reference:

McGarvey, L. J., Shorten, C.V., "The Effects of Adsorption on the Reusability of Tedlar Air Sampling Bags," *AIHA Journal*, Vol. 61, May/June 2000, pp. 275-380. **Note:** While this article is specific to Tedlar, it contains information that can be generalized to FlexFoil Sample Bags.

SKC Limited Warranty and Return Policy

SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to <http://www.skcinc.com/warranty.asp>.



Ordering Information

FlexFoil Sample Bags* with Single Stainless Steel Septum Fitting



Maximum Capacity (L)	Cat. No.	Qty.
1	245-01A	ea
1	245-01	5
3	245-03A	ea
3	245-03	5
5	245-05	5
10	245-08	5
	233-01-RS	pk/10

† 1/8-inch tolerance

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FlexFoil Sample Bags* with Single Polypropylene Septum Fitting[∞]



Maximum Capacity (L)	Cat. No.	Qty.
1	245-21A	ea
1	245-21	5
3	245-23A	ea
3	245-23	5
5	245-25	5
10	245-28	5
	232-01-RS	pk/10

† 1/8-inch tolerance

* FlexFoil Sample Bags are not suitable for collecting low ppm to high ppm VOCs due to the constituents of the FlexFoil material. See Tedlar, SamplePro FlexFilm, or FluoroFilm material at www.skcinc.com.

∞ U.S. Patent No. 4,915,356

FlexFoil Sample Bags for Breath-gas Analysis



Maximum Capacity (L)	Cat. No.	Qty.
0.5	239-02	3
1	239-01	3

Custom 4-ply FlexFoil Sample Bags are available from SKC.
Call SKC for more information!

Sample Pump for Bag Sampling

Description	Cat. No.
Grab Air Pump, 1000 ml/min, with 9-volt alkaline battery, not CE marked, not intrinsically safe	222-2301