



FlexFoil Bags

For Sampling Low Molecular Weight Compounds

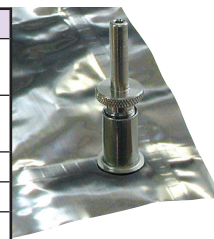
- ▶ Collect low molecular weight compounds and inert gases that are not stable in Tedlar
- ▶ 4-ply foil stronger than Tedlar
- ▶ Available in 1, 3, 5 and 10-litre capacities
- ▶ Minimal adsorption
- ▶ Up to 5-day sample stability
 - See www.skcinc.com for storage stability studies by compound
- ▶ Choose from single stainless steel or polypropylene fittings
- ▶ Custom bags available

SKC 4-ply FlexFoil Bags provide light and moisture protection for low molecular weight compounds such as hydrogen that are unstable when collected into standard Tedlar bags*. SKC FlexFoil Bags are specially designed with four layers of material to prevent permeation in and out of the bags. The inside surface is inert, minimizing absorption and adsorption of compounds. SKC FlexFoil Bags have strong, evenly sealed seams making them ideal for mailing or shipping to a laboratory for analysis.

FlexFoil Bags* with Single Stainless Steel Septum Fitting

Internal Size-cm† (in)	Fitting	Maximum Capacity	Cat. No.	Qty.
17.7 x 17.7 (7 x 7)	SS	1 litre	245-01A	ea
17.7 x 17.7 (7 x 7)	SS	1 litre	245-01	5
24.1 x 25.4 (9.5 x 10)	SS	3 litre	245-03A	ea
24.1 x 25.4 (9.5 x 10)	SS	3 litre	245-03	5
30.4 x 31.7 (12 x 12.5)	SS	5 litre	245-05	5
29.8 x 55.9 (11.75 x 22)	SS	10 litre	245-08	5
Replacement Septums			233-01-RS	10

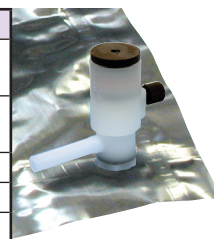
† 3-mm tolerance SS: Stainless Steel



FlexFoil Bags* with Single Polypropylene Fitting

Internal Size-cm† (in)	Fitting	Maximum Capacity	Cat. No.	Qty.
17.7 x 17.7 (7 x 7)	PP	1 litre	245-21A	ea
17.7 x 17.7 (7 x 7)	PP	1 litre	245-21	5
24.1 x 25.4 (9.5 x 10)	PP	3 litre	245-23A	ea
24.1 x 25.4 (9.5 x 10)	PP	3 litre	245-23	5
30.4 x 31.7 (12 x 12.5)	PP	5 litre	245-25	5
29.8 x 55.9 (11.75 x 22)	PP	10 litre	245-28	5
Replacement Septums			232-01-RS	10

† 3-mm tolerance PP: Polypropylene



ABOUT

FlexFoil Bag Storage Stability

SKC laboratories performed studies on storage stability of specific compounds in FlexFoil sample bags. Information is available for the following compounds:

- Carbon dioxide
- Carbon monoxide
- Hydrogen
- Methane
- Nitric oxide



More Information

For FlexFoil Storage Stability Reports visit www.skcinc.com/prod/245-01.asp

www.skcinc.com

* FlexFoil Grab Bags are not suitable for collecting many VOCs found to be stable in Tedlar or Teflon. See pages 53-55 for alternative bag materials.

Custom Bags

Made to Your Specifications

- ▶ **Sized to your specifications**
 - Single or multiple cells
- ▶ **Choice of fittings**
 - Stainless steel
 - Polypropylene
 - Nickel-plated brass
 - Teflon
 - PVC
- ▶ **Choice of bag materials**
 - Standard 2-mil Tedlar
 - Black layered Tedlar
 - Teflon
 - 4-ply FlexFoil
- ▶ **New Applications**
 - Beverage testing
 - Soil sampling



Vac-U-Chamber

Eliminates Risk of Pump Contamination

- ▶ **Allows direct filling of air sample bags**
 - Uses negative pressure provided by most personal air sample pumps
- ▶ **Rugged, heavy-duty construction**
 - Will not collapse under vacuum
- ▶ **Protects from contamination**
 - Sample does not pass through the pump
 - Stainless steel and Teflon surfaces eliminate contamination
- ▶ **Large vacuum-tight chamber available in two sizes**
 - 1 litre
 - 10 litre
- ▶ **Multiple applications**
 - Groundwater testing
 - Soil gas sampling
 - Stack sampling
 - Ventilation studies
 - HazMat testing
 - Ambient or indoor air
 - EPA Method 30



For Convenient, Reliable Bag Sampling

The SKC Vac-U-Chamber is a rigid air sample box that allows sample bags to be filled directly by using negative pressure provided by most personal air sampling pumps. Because the sample does not pass through the pump, both sample and pump contamination are eliminated. All surfaces in contact with the sample are constructed of inert stainless steel or Teflon. The Vac-U-Chamber's rigid walls will not collapse under vacuum conditions.

Description	Cat. No.
10-litre Vac-U-Chamber only with stainless steel fittings (supplied without pump), suitable for bags up to 10 litres	231-939
1-litre Vac-U-Chamber only with polypropylene fittings (supplied without pump), suitable for bags up to 1 litre	231-940
Complete Vac-U-Chamber Kit includes PCXR4 (5-5,000 ml/min) sample pump, single PowerFlex charger with cable, 10-litre Vac-U-Chamber, and ten 10-litre sample bags	120 V 224-4115
Quick Disconnect with tubing for replacement in Cat. No. 231-939	P231941

Tedlar Bags for Vac-U-Chambers	Cat. No.	Qty.
10-litre Tedlar Bag with single polypropylene fitting, 29.8 x 55.9 cm (11.75 x 22 in), maximum capacity 10 litres for use with 10-litre Vac-U-Chamber (Cat. No. 231-939)	232-08	10
1-litre Tedlar Bag with single polypropylene fitting, 17.7 x 17.7 cm (7 x 7 in), maximum capacity 1 litre for use with 1-litre Vac-U-Chamber (Cat. No. 231-940)	232-01	10

Tech Tips

- ▶ FIDs and PIDs will not work properly in very cold conditions. When collecting samples for HazMat applications in cold weather, use the Vac-U-Chamber to collect a sample and transport it indoors for analysis.
- ▶ The EPA does not recommend the reuse of Tedlar sample bags for ambient air sampling (see About on page 58).
- ▶ Analyze bag samples as soon as possible after collection.
- ▶ Do not store collected samples for more than 48 hours before analysis.



More Information

See Chemical Fact File 1665
"Volatile Organic Compounds Including
Halogenated and Non-halogenated in
Ambient Air or Stack Gases."

www.skcinc.com



For sample pumps
see pages 11-13