



Operating Instructions

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Single Stainless Steel or PTFE Fitted Bags 233, 240, 243, 253, and 263 Series Sample Bags

These sample bags feature a single stainless steel or PTFE fitting. The hose connection, shut-off valve, and syringe port with septum are all contained within the single-port fitting.

Guidelines for Bag Sampling

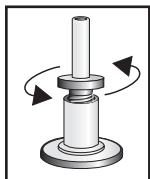
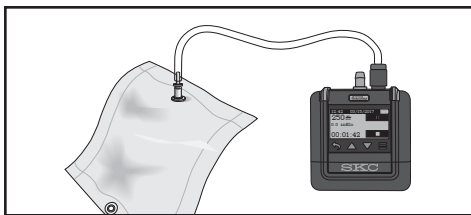
1. Ensure that the bag material and fittings are appropriate for the compounds to be sampled.
2. Use only PTFE tubing to connect the bag to the pump to prevent sample loss by adsorption on tubing walls.
3. Before using, flush the bag thoroughly with purified air or nitrogen.
4. Analyze the sample within 24 to 48 hours after sampling. Long-term storage of air-contaminant mixtures in bags is not recommended.
5. Do not ship sample bags by air unless the cargo cabin is pressurized.
6. Inflate bag properly (*see Proper Bag Inflation for details*).
7. Due to the physical properties of FlexFoil® bag material, minor crimps and creases may appear on the bags during SKC manufacturing, quality testing, and user handling. These marks only affect the aesthetics of the bag and not its performance. FlexFoil bags exhibiting minor crimps and creases are not subject to replacement or refund as functionality is not affected.

Notes and Cautions

- SKC sample bags are designed for sampling air at atmospheric pressure only. Attempting to pressurize the bag will result in bag rupture and sample loss. Do not ship bag samples by air freight in a non-pressurized cargo cabin. Bags can burst under such conditions.
- All federal and state packaging and transporting regulations apply.
- Do not use sample bags to sample compounds with boiling points > 249.8 F (121 C).
- SKC bag fitting valves are extremely durable but are not intended for use as handles or hanging devices. This type of handling may damage the seal, causing leakage. This is considered to be misuse and will void the SKC warranty.
- Failure to follow warnings and cautions voids any warranty.
- Sample bags are designed for single use only.

Operation

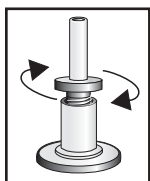
1. Flush the bag at least 3 times with purified air or nitrogen before use.
2. To fill a bag, connect PTFE tubing from the exhaust port of an air sample pump to the stem on the bag fitting.



3. To open the valve, turn the knurled disc on the stem counterclockwise a maximum of 2 revolutions. Turn on the pump and sample as usual (see *Proper Bag Inflation*).



Do not use sample bags to sample compounds with boiling points > 249.8 F (121 C).



4. When sampling is complete, turn off the pump and close the valve by turning the knurled disc clockwise until snug.

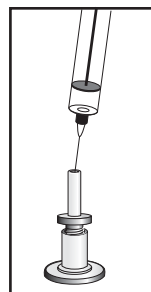


The outside diameter of the syringe needle should not be larger than 12 gauge (0.109 inch).



Do not allow the syringe needle to puncture the bag material when piercing the septum.

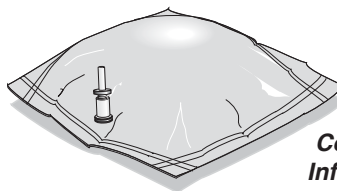
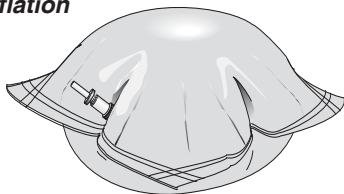
5. To withdraw samples using a needle and syringe, carefully insert the needle into the stem and pierce the septum centered in the base of the syringe port.



Proper Bag Inflation

Avoid filling any bag to more than 80% of its maximum volume. At the end of the sampling period, turn off the pump and close the valve by turning the knurled disc clockwise until snug.

**Incorrect
Inflation**



**Correct
Inflation**

SKC sample bags are available in Tedlar, Standard FlexFoil®, and FlexFoil PLUS with fittings made of stainless steel, polypropylene, or PTFE in sizes ranging from 0.5 to 100 liters. SKC also manufactures custom sample bags. Contact SKC at 724-941-9701 or skcorder@skcinc.com.

*For sample bag stability reports, visit
www.skcinc.com/catalog/pdf/instructions/1805.pdf.*

Accessories

Replacement Septa, pk/10..... Cat. No. 233-01-RS

PTFE Tubing, fits over all SKC bag fittings, Grab Air pump exhaust, and into Pocket Pump TOUCH Quick-connect Adapter, 3/16-inch (4.76-mm) ID, 1/4-inch (6.35-mm) OD, 10 feet..... Cat. No. 231-9-23

PTFE Tubing, fits inside bag fitting, 1/16-inch (1.59-mm) ID, 1/8-inch (3.18-mm) OD, 10 feet..... Cat. No. 231-9-21

PTFE Tubing, fits Vac-U-Chamber sample inlet port, 1/4-inch (6.35-mm) ID, 5/16-inch (7.94-mm) OD 10 feet..... Cat. No. 231-937
50 feet..... Cat. No. 231-924

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>.

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