

# Nextteq VeriAir Flex<sup>®</sup>

## Tedlar Manual Inflating Sample Bag

### Instruction Manual

Nextteq P/N 31019 (1-Liter Tedlar Bag)

Nextteq P/N 31047 (4-Liter Tedlar Bag)



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Designed and Manufactured in the United States of America.  
US Pat. No. 8,714,035

**VeriAir Flex**<sup>®</sup> manual-inflating Tedlar<sup>®</sup> bags feature a patented design that allows users to directly collect air or gas samples without any need for an external pump or other sampling equipment. The VeriAir Flex Tedlar bag uses a patented integrated handle design that can be used for both filling the sample bag and removing or flushing a gas sample from the bag. Immediate sampling can be performed using the VeriAir Flex Tedlar bag, which is always ready for use.

### **Warnings**

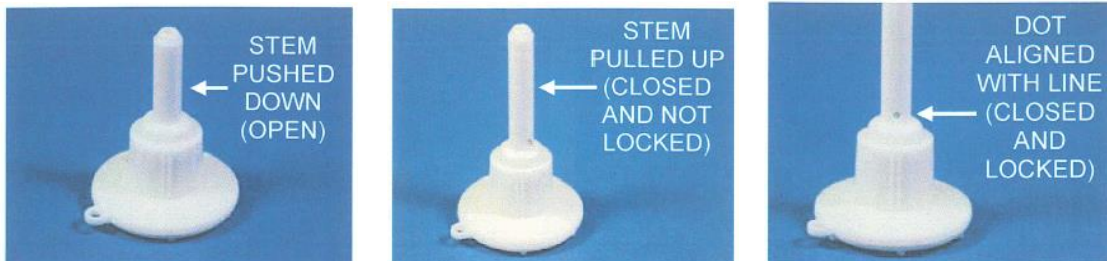
1. Before using this product, read, understand, and comply with all labels, warnings, instructions, and other literature accompanying the product.
2. Operate the product in strict compliance with manufacturer's specifications and instructions.
3. Be thoroughly familiar with this product, the manufacturer's instructions and warnings, and associated equipment before using this product.
4. Inspect this product and associated equipment for damage or defects before using. Do not proceed with sampling if this product or associated equipment is damaged or defective.
5. Do not overstress the bag. Do not pull too hard on handles or it may crease or crack the handles which will shorten the life of the bag.
6. This product is not intended to be a volumetric measuring device. The specified volume is considered a minimum for sample collection purposes, and actual collection volumes may exceed the specified volume.
7. Do not use the bag near an open flame.
8. This product is not intended to be filled from external pumps or pressurized gas sources, or to pressures exceeding atmospheric pressure at the time of filling.
9. Wear respiratory protection in accordance with OSHA 29 CFR 1910.134 and NIOSH 42 CFR 84 when directly exposed to fumes or gases.
10. Do not distribute this product without a complete set of Nextteq LLC instructions, warnings, and specifications. Distributing this product without a complete set of warnings, instructions, and specifications may result in misuse and lead to property damage, serious injury, or death.
11. Ship or transport this product in accordance with all federal, state, and local laws and regulations, including federal DOT regulation 49 CFR and OSHA and FAA regulations.
12. Keep this manual and all Nextteq LLC instructions and warnings available for reference and training.
13. If you are unsure or confused about the proper use of this product, any instructions, warnings, labels, specifications, test protocols, or manuals, you should call Nextteq LLC at one of the following telephone numbers: toll free 877-312-2333 or local number 813-249-5888 before using or attempting to use this product.
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### **Sampling Procedure**

1. It is recommended to wear gloves to maintain air sample integrity based on the nature of the sample being collected.

2. If desired, attach appropriate extension tubing to the valve.

3. Valve Operation:



4. Bend up the two retractable side panels to prepare handles for use (as shown below).



5. Open the valve following the instructions on the top panel, which states to push the valve stem down toward the bag.

6. Position the inlet valve (or extension tube inlet) to the desired sampling location.

7. PRE-CONDITION BAG (OPTIONAL) - Using two hands, slowly pull the side panel handles apart to collect gas inside the bag. Be patient and avoid pulling too hard as excessive stress may cause handles to bend or crack. Only a partial fill of 25-30 seconds is needed for pre-conditioning. Then press the side panels together until flat to evacuate the bag. Complete this 2-3 times to flush the inner bag volume which will pre-condition the bag surfaces and allow equilibration of the sample.

8. SAMPLE COLLECTION - Complete one full stroke until the bag walls prevent further loading. Do not fill the bag more than the bag walls allow. The sample volume will meet or exceed the stated capacity of the VeriAir Flex sample bag.

9. While still holding the handles open, use your fingers to pull the stem outward (up) until it stops. If desired the closed valve may be locked by rotating it clockwise until it stops (about 1/8 of a turn).



10. Remove any extension tubing, if used.
11. Document all necessary information. Sampling ID may be written in the specified location on the VeriAir Flex label. A unique Serial Number is printed on each VeriAir Flex label for documentation purposes.
12. The VeriAir Flex can be air shipped without compromising the integrity of the sample.
13. Suitability for reuse of this product will be based on user requirements for air sample integrity.
14. Nextteq includes a rubber Detector Tube Adapter with each bag that allows the user to measure the contents of the VeriAir Flex Tedlar bag with gas detector tubes by allowing users to connect detector tubes to the valve on the VeriAir Flex Tedlar bag. Be careful when removing the Detector Tube Adapter from the valve as to avoid damaging or tearing the bag.

### **Product Specifications**

Product Name:	VeriAir Flex® 1-Liter Tedlar and VeriAir Flex® 1-Liter Tedlar
Product Number:	Nextteq P/N 31019 (1-Liter Tedlar) Nextteq P/N 31047 (4-Liter Tedlar)
Bag Walls:	Tedlar® polyvinyl fluoride (PVF) film, oriented, 2.0 mil
Operating Temperature:	Do not expose this product to temperatures in excess of 176°F (80°C).
Storage Temperature:	Store in cool dry place, or between 41 to 104°F (5 to 40°C)
Operating Pressure:	Do not fill from pressurized gas sources or external pumps that may pressurize the bag in excess of ambient pressure.

Product specifications are subject to change without notice (06-2015 Revision).

Designed and Manufactured by:

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