

Nextteq VeriAir Flex[®]

Manual-Inflating Sample Bag

Instruction Manual

Nextteq P/N 31000 (VeriAir Flex 1-Liter Foil Sample Bag)

Nextteq P/N 31029 (VeriAir Flex 5-Liter Foil Sample Bag)



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

VeriAir Flex[®] manual-inflating 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 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 bag, which is always ready for use and can be air shipped for overnight rush analysis.

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.
14. Information in this document is subject to change without notice. No part of this document may be reproduced or transmitted in any form and/or by any means, electronic or mechanical, for any purpose without the express written permission of Nextteq LLC.

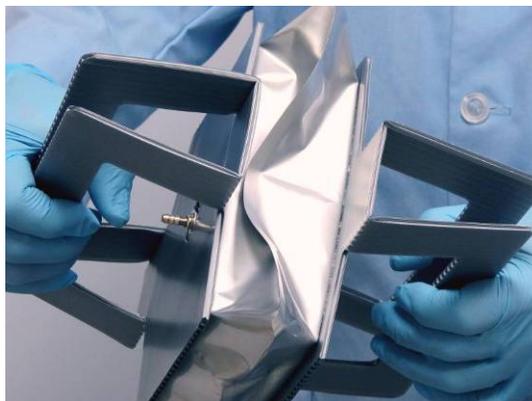
Sampling Procedure

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

2. Remove the black cap from the valve. This cap is included to prevent unwanted contaminants from depositing in the valve when the bag is not in use.
3. If desired, attach appropriate extension tubing to the valve.
4. Bend up the two retractable side pieces to prepare handles for use (as shown below).



5. Open the valve following the instructions on the top panel, which states to fully turn the valve counterclockwise until snug (“lefty loosie”). Do not over-tighten the valve.
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 turn the valve (or extension tube, if attached) clockwise until snug (“righty tighty”). Do not over-tighten the valve.
10. Remove any extension tubing, if used.
11. It is recommended to install the black valve cap over the valve opening to prevent unwanted contaminants from depositing in the valve when the bag is not in use.

12. 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.
13. The VeriAir Flex can be air shipped without compromising the integrity of the sample.
14. The VeriAir Flex may be physically reused up to five (5) times. Suitability for reuse of this product will be based on user requirements for air sample integrity.
15. Nextteq includes a rubber Detector Tube Adapter with each bag that allows the user to measure the contents of VeriAir Flex bag with gas detector tubes by allowing users to connect detector tubes to the barb valve on the VeriAir Flex bag. Be careful when removing the Detector Tube Adapter from the VeriAir Flex valve to avoid damaging or tearing the bag.
16. Nextteq includes a piece of inert PVDF tubing that can be secured onto the barb valve but is rigid enough to be connected to 1/4" compression fittings. Nextteq also includes a rubber septum that can be installed directly on the barb valve, or onto the PVDF tubing. Please inquire about other fitting options if necessary.

Product Specifications

Product Name:	VeriAir Flex®
Product Number:	Nextteq P/N 31000 (1-Liter) Nextteq P/N 31029 (5-Liter)
Bag Walls:	Polyolefin inner layer, nylon coated aluminum outer layer, 6-mil total
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 ship or store sample where pressure may drop below 7.11 inHg (equivalent altitude of 33,000 feet). Do not fill from pressurized gas sources or external pumps that may pressurize the bag in excess of ambient pressure.
Permeation:	Water Vapor 0.0046 g/m ² /day (compare to 9-57 g/m ² /day for Tedlar) Oxygen 0.00929 cc/m ² /day (compare to 50 cc/m ² /day for Tedlar)

Product specifications are subject to change without notice (08-2014 Revision).

Designed and Manufactured by:

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