Purair® FLEX

Purair® FLEX Series Portable Isolator

- Versatile Design for Pharmaceutical, Forensic, Biological and Aerospace Applications
- Full View Interior with Superior Containment for Protection of Product, Personnel and the Environment

Purair FLEX-30

Air Science®

"The World's Most Extensive Selection of Containment Solutions."

ISO 9001
ISO 14001
BUREAU VERITAS
Certification

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INTRODUCTION

The Purair FLEX is a revolutionary containment product that expands where, when and how glove bags can be used. Flexible and highly portable, the Purair FLEX permits easy set up and delivers superior containment capability. The ArmorFlex® film construction assures visual clarity and excellent solvent resistance across a range of chemicals.

APPLICATIONS

Pharmaceutical Processing \ Forensic Investigation and Processing \ Industrial Cleaning \ Biological Containment \ Aerospace

KEY FEATURES

Spacious Interior Volume. An innovative curved film design provides more working volume than any other glove bag on the market.

Easy Setup. Semi-rigid support rods simplify set up and increased stability even if the bag is not inflated to full pressure.

Large Workspace. At 30" (762 mm) wide and an internal volume of 3 cu.ft. (85 L) the Purair FLEX provides a large work area with a 12.5" (317 mm) gas tight zippered access with a 6" (152 mm) diameter opening.

Oxygen-Free Work Zone. A nitrogen gas feature to permit creation of an oxygen-free workspace.

PERFORMANCE ADVANTAGE

Air Science provides containment solutions to meet any analytical need. The Purair FLEX glove bag provides numerous performance advantages over the competition.

Compliant with Multiple Criteria. ArmorFlex film complies with FDA 21 CFR and 2002/72/EC standards for minimal outgassing, solvent and biological reactivity and static resistance.

Pharmaceutical Grade Materials. The Purair FLEX is constructed with FDA approved pharmaceutical grade LLDPE1 anti-static and ESD2 safe and meets European ATEX Directive.

Standard Features. Closed HEPA filtration, bag-in/bag-out port and Nitrogen purge inlet connections enhance safety to meet specific needs.

Bag-In/Bag-Out Port. A 14" (355 mm) x 24" (609 mm) bag-in/bag-out minimizes exposure to contaminants when changing the filter. The contaminated filter is safely removed through the port and placed into a bag, sealed with a reusable cable tie and disposed. A new bag is affixed to the port when the replacement filter is installed.

ARMORFLEX 113 AND 114

The Purair FLEX is constructed of ArmorFlex® 113 and 114 films. These high performance films provide sufficient protection from a variety of contaminant types. Additional benefits include:

- Five-year shelf life
- No incineration or out-gassing concerns
- Tested for solvent resistance
- Superior visual clarity and excellent solvent resistance
- FDA 21 CFR compliant (114)
- Fully compliant to 2002/72/EC and amendments (114)
- Meets test parameters of EP 3.1.3 (114)
- No BADGE, BFDGE, or NOGE materials used
- No phthalates, latex, or silicone used
- No migrating anti-static additives

Durable ArmorFlex® film construction assures visual clarity and excellent solvent resistance across a range of chemicals.

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The Purair FLEX shown under positive pressure. Gas-tight zipper access (A) and HEPA filtration port (D) protect personnel and the environment.

DESIGN FEATURES

A. Angled Zipper Entry: Gas tight 12.5" (317 mm) zipper with an effective 6" (152 mm) diameter opening.

B. Sealed Ambidextrous Gloves: Allow maximum protection and one size fits all design.

C. Bag-Out: Includes 14" x 24" (355 x 609 mm) bag-out port with reusable cable tie.

D. HEPA Filtration: 3M 2097 P100 particulate filter certified 99.97% efficient at removing solid and liquid particles, including those containing oil. Composed of 3M's Advanced Electret® media, the filter provides a lightweight, easy breathing combination better than fiberglass. The filter meets NIOSH P-series test criteria and is flame and water resistant.

E. Nitrogen Barb: Standard feature to allow users to create oxygen-free workspaces.

F. Internal Support Rods: Internal FDA-compliant polypropylene support rods provide structure stabilization even when bag is not fully inflated.

G. Carrying Handle: Folds flat when not in use.

ADDITIONAL FEATURES

Puncture Resistant Construction: Pliable, solvent resistant ArmorFlex® film is (8 mm) thick to prevent accidental punctures.

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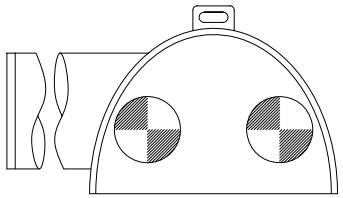
MATERIAL AND COMPARATIVE RESISTANCE

CHEMICAL	PURAIR FLEX WITH AMORFLEX®	PVC (POLYVINVYL CHLORIDE)
Acetone	Excellent	Poor / Not recommended
Butyl Acetate	Very good	Poor / Not recommended
Dichloromethane	Very good	Poor / Not recommended
Diethylether	Excellent	Poor / Not recommended
Dimethylformamide	Excellent	Poor / Not recommended
Ethanol	Excellent	Fair
Ethyl Acetate	Very good	Poor / Not recommended
HCl (37%)	Excellent	Good
Isopropanol	Excellent	Excellent
Methanol	Excellent	Excellent
Tetrahydrofuran	Excellent	Poor / Not recommended
Toluene	Very good	Poor / Not recommended

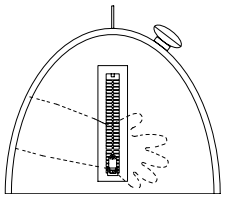
OPERATING CONDITIONS

Operating Temperature Range	Standard single piece polyethylene gloves
Static Storage Temperature Storage Range	Polypropylene rods, white
Humidity Range	Gas tight
Melt Temperature	750 pa

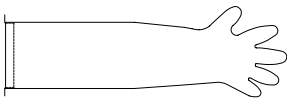
FRONT VIEW



SIDE VIEW



GLOVE



MODEL	DIMENSIONS	WEIGHT (LBS/KG)	
	External (W × D × H)	Net	Ship
PURAIR FLEX			
FLEX-30	30" x 26" x 20" / 762 x 660 x 508 mm	3 / 1.5	9 / 4

PRODUCT SPECIFICATIONS

PURAIR FLEX MODEL	
Construction Bag Film	8 mil Clear ArmorFlex polyethylene
Construction Base	20 mil Clear ArmorFlex polyethylene
Sleeve Film	4 mil Tapered anti-static polyethylene, 17" (450 mm) long, frosted
Gloves	4 mil Standard single piece polyethylene gloves
Support Frame	Polypropylene rods, white
Zipper	Gas tight, 12.5" long
Pressure Test	750 pa
Breather HEPA Filter	3M 2097 P100 particulate filter, rear wall mounted
Nitrogen Gas Inlet PORT	½" slide wall mounted
Bag-in/Bag-Out Port	14" (355 mm) diameter with reusable cable tie

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WARRANTY

This product is protected by the Air Science Legacy Limited Lifetime Warranty™.

For details visit the Warranty section of our website.

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T. 239-489-0024 \ **Toll Free.** 800-306-0656 \ **F.** 800-306-0677
www.airscience.com