



AirBoss Defense
The Ultimate Protection

PUREAIR BIO-RESPONSE PAPR SYSTEM

NIOSH APPROVED:
TC-21C-0799

PRODUCT OVERVIEW

The *PureAir* Bio-Response Kit is a complete PAPR (Powered Air Purifying Respirator) system, featuring loose fitting head covers. The PAPR delivers a constant flow of purified air into the head cover providing positive airflow and protection against biological and particulate contaminants. The *PureAir* system is easy to store and deploy. Three convenient options are available.

Immediate Response Technologies, Inc. PureAir Bio-Response Kit offers...

- U.S. Military-Proven Lightweight Motor Blower Technology.
- Fully Integrated Battery Compartment Separated from Air Delivery System.
- NiMH Rechargeable Batteries; Single 8-hr. Disposable Battery or a (4) D-Cell Battery Pack for 12+ hrs of operation.
- Disposable Tychem® QC Head Covers with Snap-Fit Connector.
- Worry-Free Battery Management Plan

The IRT PureAir PAPR provides 6 CFM or approximately 170 liters per minute (lpm) to the head covers for a minimum of 4 hours with a rechargeable battery and up to 8 hours with the disposable battery. A third option permits the use of 4 D-Cell Batteries in a pack that will run for more than 12 hours.

NIOSH requirements currently prohibit the use of any type or brand of filter canister. The unit can only be used with IRT HE Particulate filters and Head Covers. Please read and follow the user manual instructions to ensure compliance with NIOSH requirements.

Applications

- Hospitals / Emergency Dept.
- Medical Disaster Response
- Infectious Disease Labs
- Laboratories
- Clean Rooms
- Pharmaceutical Mfg.

FEATURES & BENEFITS

- Top-Down Air Delivery System
- Wide, Ear-to-Ear Clear Lens w/ Protective Storage Covering
- Tychem® QC Headcover Material
- Disposable Headpiece w/ Snug Fit Band
- Moisture Absorbent Interior Head Band
- Two High Efficiency Particulate Filters
- All-In-One Battery/Blower/Filter Unit
- 3 Battery Options including Standard D-Cell
- Visor Style Permits Use of Stethoscope
- Positive Airflow is Safe and Comfortable
- Accommodates Facial Hair and Eyeglasses
- Military Proven PAPR Design
- D-Cell Battery Choice lowers costs
- **Fit Testing Not Required**



Compact & Lightweight Design

HE/P100 FILTER



Part Number	S-70013-001
Shelf Life	10 Yrs (polybag)
Diameter	4.23 inches (107 mm)
Height	2.2 inches (56 mm) overall
Approx Weight	3 ounces (88 grams)
Connection	EN 148-1 (40 mm) NATO Thread

PAPR BLOWER UNIT



Blower Unit w/ NiMH or LiSO2 Battery Integrated



Blower Unit with Optional D-Cell Battery Pack

Minimum Flow Rate

> 6 CFM or 170 l/pm Airflow w/ 2 HE Particulate Filters

Power:

8-Hour Mission Battery, Disposable LiSO₂ BA 5800/U
Rechargeable Battery is available as option: operates 4 hrs

(4) D-Cell Battery Pack with C420 Adaptor - >12 hrs

Ambient Temperature:

-32 to 49°C / -26 to 120°F

EMI:

MIL-STD-461C, Part 4, RE02

Environmental:

Water and dust protection - IP68 (inlet & outlet ports closed)

Decontamination:

Decontaminable – performance not affected adversely

Expected Working Life Of Blower:

(MTTF) >1,000 hrs

Overall Dimensions:

Width	220mm	7.87" (w/out filters)
Height	226mm	8.90"
Thick	86mm	3.39"

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