

PureAirTM Bio-Response Kit

Pure-AirTM Bio-Response Kit

NIOSH APPROVALS

TC-21C-0788

The PureAir Bio-Response KitTM 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 and fully integrated battery options are available.

Only SafetyTech International PureAir Bio-Response KitTM offers:

- U.S. Military-Proven Lightweight Motor Blower Technology.
- Fully Integrated Battery Compartment Separated from Air Delivery System.
- 4 hr NiMH Rechargeable Batteries (Primary Cell 10 yr shelf life); Single 7+ hr Disposable Battery or a (4) D-Cell Alkaline Battery Pack for 12+ hrs of operation.
- Disposable Tyvek QC Head Covers with Snap-Fit Connector.
- Worry-Free Battery Management Plan

APPLICATIONS:

- Hospitals / Emergency Departments
- Medical Disaster Response / Pandemic Response
- Infectious Disease Labs
- Laboratories
- Clean Rooms
- Pharmaceutical Manufacturing

FEATURES:

- Top-down air delivery system
- Wide, ear-to-ear clear lens w/ protective storage covering
- Tyvek® QC construction in white, yellow, or blue
- Disposable headpiece w/ snug fit band
- Moisture absorbent interior head band
- 3 battery options including off-the-shelf standard alkaline D-cell battery pack for 12+ hrs of operation

BENEFITS:

- **No Fit Testing Required**
- Visor style head cover permits use of stethoscope
- Positive airflow is safe and comfortable
- Accommodates facial hair and prescription lenses
- Patient Friendly design



PureAirTM Bio-Response Kit

Part Number	Description
N-60166-001	PureAir Bio Response KitTM (Black) *NIOSH Approved TC-21C-0788
	Consisting of
M-60128-001	PureAir Powered Air Purifying Respirator Blower (black)
S-70001-001	High Efficiency (HE) Particulate Filter (2 per kit)
S-30112-001	Airflow Indicator 4 to 6 CFM
S-30019-001	Web Waist Belt Assembly
S-20091-001	*(4) D-Cell Battery Pack with PureAir Blower Adaptor, 12+ hours run time (Batteries not Included)
N-60167-001	PureAir Bio Response KitTM (White) *NIOSH Approved TC-21C-0788
	Consisting of
M-60156-001	PureAir Powered Air Purifying Respirator Blower (white)
S-70001-001	High Efficiency (HE) Particulate Filter (2 per kit)
S-30112-001	Airflow Indicator 4 to 6 CFM
S-30019-001	Web Waist Belt Assembly
S-20091-001	*(4) D-Cell Battery Pack with PureAir Blower Adaptor, 12+ hours run time (Batteries not Included)
	Add Breathing Hose and Head Cover Style for NIOSH Approved System
	Breathing Hose
S-30111-001	Breathing Tube Assy. (Black) for Loose Fitting Head Covers (sold with kit No.N- 60166-001)
S-30128-001	Breathing Tube Assy. (White) for Loose Fitting Head Covers (sold with kit no. N-60167-001)
	Head Cover Style
S-40059-001	PureAir Loose Fitting Visor, Size Regular (white)
S-40065-001	PureAir Loose Fitting Visor, Size Regular (Blue)
S-40067-001	PureAir Loose Fitting Visor, Size Regular (Yellow)
S-40059-003	PureAir Loose Fitting Visor, Size Regular (pack of 3) (White)
S-40065-003	PureAir Loose Fitting Visor, Size Regular (pack of 3) (Blue)
S-40067-003	PureAir Loose Fitting Visor, Size Regular (pack of 3) (Yellow)
S-40060-003	PureAir Loose Fitting Visor, Size Large (pack of 3) (White)
S-40066-003	PureAir Loose Fitting Visor, Size Large (pack of 3) Blue
S-40068-003	PureAir Loose Fitting Visor, Size Large (pack of 3) Yellow
S-40061-003	PureAir Loose Fitting Head Cover - Cape Style Regular (3-Pack White)
S-40062-003	PureAir Loose Fitting Head Cover - Cape Style Large (3-Pack White)
	<i>Contact factory for 20 and 50 pack options on head covers.</i>
	Additional Battery Choices - Rechargeable and Disposable / Non-Rechargeable
S-20104-001	PureAir Rapid Battery Charger w/ (2) 4 hr. NiMH Rechargeable Batteries & (1) Cap, 8 hrs run time
M-20020-001	Battery, LiSO2, BA-5800 (non-rechargeable/10 year shelf-life up to 8 hr run time)
	Storage Options
S-45126-001	SafetyTech Canvas Storage Bag w. zipper front and side and top pockets
S-10079-001	Plastic Molded Carrying Case (19" x 14" x 7.5")
	Optional & Replacement Accessories
S-70013-001	SafetyTech HE2 High Efficiency Filters
S-20036-001	Rechargeable NiMH Battery w/Cap
	<i>For easy storage and retrieval, the Canvas Carrying Bag or the Molded Carrying Case are recommended. * If the D-Cell Battery Pack is to be replaced by another battery option, please contact factory for ordering.</i>

TECHNICAL SPECIFICATIONS:

HE Particulate Filter



Part Number	S-70001-001
Shelf Life	10 Years (plastic wrap, plugs)
Diameter	4.33 inches (110mm)
Height	3.58" (91mm) overall
Weight	0.70 pounds (320 grams)
Connection	Reinforced Black Polyamide

PAPR Blower Unit



Blower Unit w/ NiMH or LiSO₂ Battery Integrated



Blower Unit w/ Optional D-Cell Battery Pack

Minimum Flow Rate	> 6 CFM or 170 l/pm Airflow w/ 2 HE Particulate Filters
Power:	<ul style="list-style-type: none">• 8-Hour Mission Battery, Disposable LiSO₂ BA 5800/U• Rechargeable Battery option available: 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 inches (w/out filters)
Height	226mm, 8.90 inches.
Thickness	86mm , 3.39 inches

PureAirTM Bio-Response Kit

ORDERING INFORMATION:

- Order by Kit number. All parts under “Consisting of” are included in the kit.
- Choose battery solution, storage option, or additional accessories and list part number(s) separately.
- Each kit comes with one (1) disposable head cover. The head covers are available in 2 sizes and 2 styles. Select the kit with the appropriate size and style head cover; enter the kit number and quantity of kits required. Each Kit also includes one of 3 battery options. Select the kit with the appropriate head-cover and battery solution.
- Standard kits include white head covers. Consult factory for availability of other colors.
- Replacement or additional head covers are available in packs of 3 per the part number listed. If a larger quantity is needed, contact your local distributor or the factory directly for a quote.
- The HE Particulate Filters should be replaced after each use. Inexpensive replacement cartridges are available in cases of 20.
- Review and select any additional items from the options and accessories list.
- The SafetyTech 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 other type or brand of filter canister. The unit can only be used with SafetyTech International HE Particulate filters and Head Covers. Please read and follow user manual instructions to ensure compliance with NIOSH requirements.



Visor Style

Cape Style