

Meeting the Needs of First Responders and Receivers



3M™ Breathe Easy™ (RBE) for Responders Powered Air Purifying Respirator (PAPR) Systems

3M is pleased to announce the following National Institute for Occupational Safety and Health (NIOSH) approved PAPR Systems: RBE-L10 with Primary Lithium Battery and RBE-NM10 with NiMH Battery. These powered air purifying respirator systems help provide protection against CBRN particulates, gases and vapors. Uniquely designed for first responder, public health and public health professionals.

Key Benefits:

- Approved to NIOSH CBRN Loose-Fitting PAPR Standard
- 3M Cartridge RBE-57 meets NIOSH CBRN "Cap 1" requirements against stringent test chemical agents; high efficiency particulate filtration (99.97%)
- Lightweight, one size butyl rubber hood provides a wide field of vision, no test requirements and ability to use with eye glasses and facial hair
- Continuously filtered air flow for maximum comfort to help workers focus on their jobs for longer periods
- System functions with two battery options:
 - Lithium Battery – up to 12 hours of use*
 - NiMH Battery – up to 8 hours of use and 90% charged in 2 hours*
- 3M duff bag safely stores the system in one place and allows for quick access in an emergency
- 3M's unmatched customer service and technological expertise offer customers peace of mind

*Battery duration will vary depending on the age of cells, temperature and filter loading

3M™ Breathe Easy™ (RBE) for Responders PAPR Systems RBE-L10 and RBE-NM10



- A) Butyl Rubber Hood
- B) PAPR Unit
- C) Waist Belt, Decon
- D) Breathing Tube
- E) Breathing Tube Clamp
- F) Duff Bag
- G) Cartridges (shown packaged and unpackaged)
- H) Air Flow Indicator
- I) Lithium Battery (non-rechargeable) for RBE-L10
- J) Nickel Metal Hydride Battery (NiMH) (rechargeable) for RBE-NM10

Optional Accessories



3M Shower Cover RBE-SC: Cover enables device to be used in wet conditions and be showered or wiped clean for decontamination. (Note: product and components cannot be submerged in water)



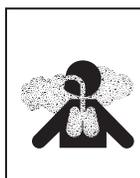
3M Communication Device RBE-CMH: State-of-the-art communication system for superior person-to-person communication and versatility to be worn anywhere on the body.



3M Training Cartridge RBE-TRN: Bright red training cartridges** allow for on-going, affordable training and provide a clear differentiation from functioning cartridges.

**Training cartridges are not NIOSH-approved for respiratory protection

Specifications	Description
Heat and flame resistance	Not designed for use in high temperature environments or exposure to sparks or flame
Battery packs	Lithium primary battery (non-rechargeable) – up to 12 hours of use and has a 10-year shelf life Nickel metal hydride (NiMH) battery – up to 8 hours of use per charge; 90% charge in 2 hours for completely discharged battery
Charger	Maintains nickel metal hydride battery. 90% charge in 2 hours for completely discharged battery Can be grouped together to form multicharger (up to 10 units)
Airflow range	Greater than 6 scfm (170 lpm)
Weight of blower and battery pack	Turbo unit with 3M Cartridge RBE-57: approximately 4 lbs (1830 g)
Battery pack (NiMH)	Approximately 1.8 lb (830 g)
Battery pack (Lithium)	Approximately 1.0 lb (450 g)
System operating temperatures	10° to 120° F (-12° to 49° C)
Battery charging temperatures	NiMH: 50° to 90° F (10° to 32° C)
Hood material	Butyl rubber
Cartridge	“Cap 1” approved cartridge. Minimum test life of 15 minutes against NIOSH test agent concentrations
Storage temperatures	The recommended dry storage conditions (less than 85% relative humidity) for the battery is -4° to 115° F (-20° to 45° C). Storage of the battery outside this range will shorten the usable life of the battery. Avoid prolonged storage at temperatures above 120° F (49° C)
Systems	Description
Part Number	Description
RBE-L10	3M Turbo PAPR Unit 022-00-03R01, 3M Rubber Hood BE-10B, 3M Breathing Tube RBE-BTH, 3M Decon Belt RBE-BLT, 3M Cartridges RBE-57, 3M Battery Pack 520-04-57R01 (Lithium – non-rechargeable), 3M Air Flow Indicator 520-01-21.
RBE-NM10	3M Turbo PAPR Unit 022-00-03R01, 3M Rubber Hood BE-10B, 3M Breathing Tube RBE-BTH, 3M Decon Belt RBE-BLT, 3M Cartridges RBE-57, 3M Battery Pack BP-15, (NiMH – rechargeable), 3M Air Flow Indicator 520-01-21. This system does not include battery charger.
Components	Description
Part Number	Description
RBE-BTH	3M Breathing Tube, Hood 1/Case
RBE-BLT	3M Decon Belt 1/Case
RBE-57	3M Cartridge, Hood 6/Case
022-00-03R01	3M Breathe Easy Turbo Powered Air Purifying Respirator (PAPR) Unit 1/Case
520-04-57R01	3M Battery Pack Lithium (non-rechargeable) 1/Case
BP-15	3M Battery Pack, NiMH (rechargeable) 1/Case
BC-210	3M Smart Battery Charger 1/Case
520-01-21	3M Air Flow Indicator 1/Case
BLT-100	3M Belt Buckle 1/Case
RBE-CMP	3M Breathing Tube Clamp 1/Case
Optional Parts	Description
Part Number	Description
RBE-SC	3M Shower Cover 2/Case
RBE-TRN	3M Training Cartridge (red) 3/Case
RBE-MIC	3M Microphone 1/Case
RBE-CMH	3M Communication Device, Hood 1/Case



⚠ WARNING

These respirators help protect against certain airborne contaminants. **Misuse may result in serious bodily injury or death.** For proper use, see supervisor, or call 3M OH&ESD Technical Service at 1-800-243-4630. *User Instructions* provided as a part of product packaging.



General Offices
3M Center
 St. Paul, MN 55144-1000
 www.3M.com

For More Information

Sales Assistance: 1-800-328-1667
 Technical Assistance: 1-800-243-4630
 Website: www.3M.com/OccSafety

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