

# Breathe Easy™ Belt-Mounted Powered Air Purifying Respirators (PAPRs)

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3M™ Breathe Easy™ Powered Air Purifying Respirators (PAPRs) provide comfortable, efficient powered air protection. These systems are available in a wide range of headgear. They use interchangeable filters, cartridges and canisters to help protect the wearer against gases, vapors and/or particles. The Breathe Easy turbo motor blower unit draws ambient air through a filter/cartridge/canister and supplies filtered air through the breathing tube to the headpiece. The Breathe Easy turbo motor blower unit draws ambient air through a filter/cartridge/canister and supplies filtered air through the breathing tube to the headpiece.



**3M™ Breathe Easy™ Belt-Mounted PAPR shown with Welding Headgear**

## Features/Benefits

- These lightweight systems are comfortable and ideal for long periods of wear
- All systems are NIOSH approved
- Use rechargeable NiMH, NiCd or disposable lithium battery (10-year shelf-life)
- Canisters, cartridges and filters are available for a variety of contaminants

## Breathe Easy Turbo PAPR Assembly

- Draws ambient air through the filter/cartridge/canister and supplies filtered air through the breathing tube to the headpiece
- Full shift performance
- Fully charged batteries provide power up to 8 hours
- This belt-mounted unit distributes weight comfortably for long periods of use

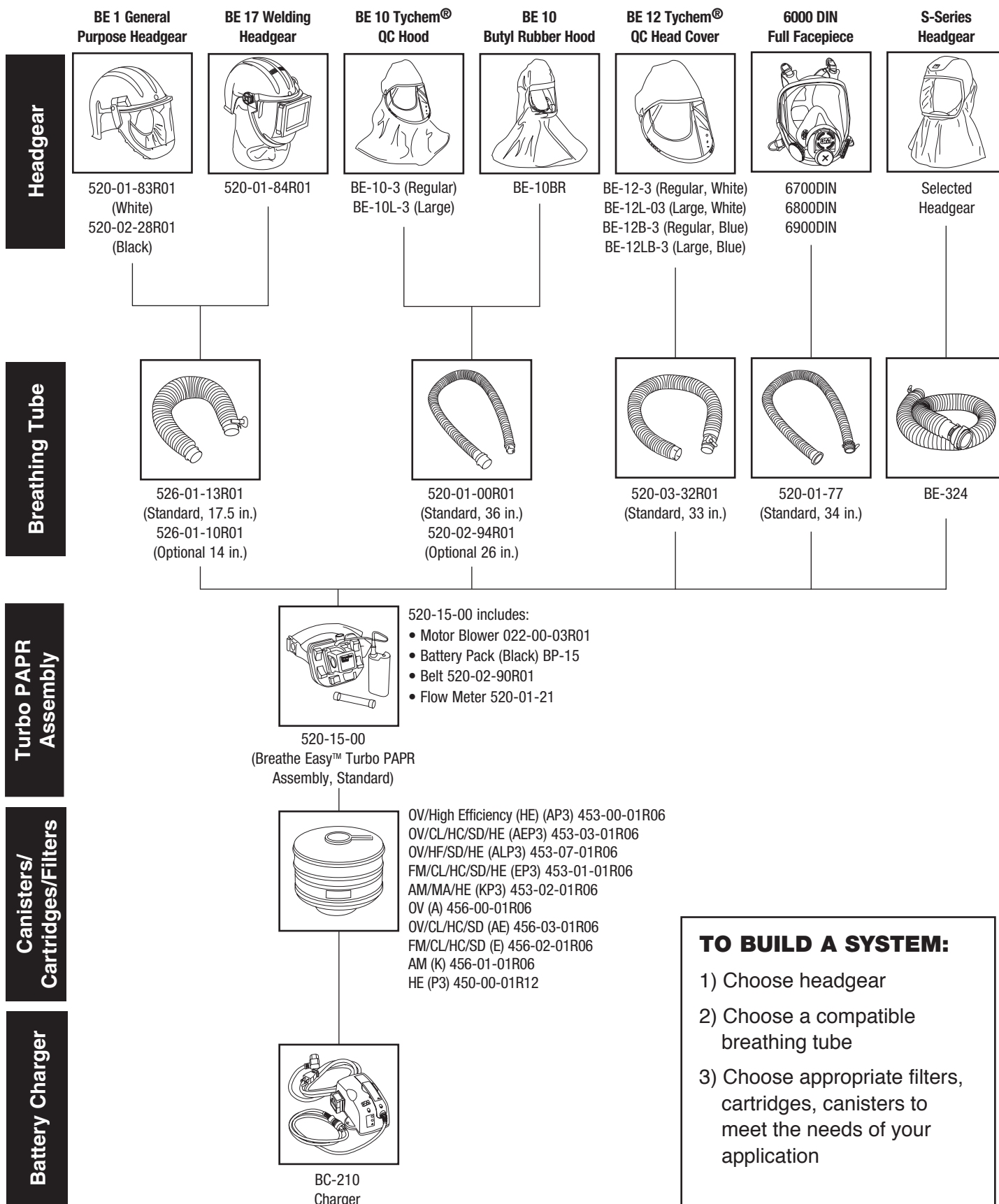
## Suggested Applications

- Abatement
- Smelting
- Pharmaceutical
- Foundry/steel
- Welding
- Nuclear/utilities
- Lead reclamation
- First responder
- CBRN

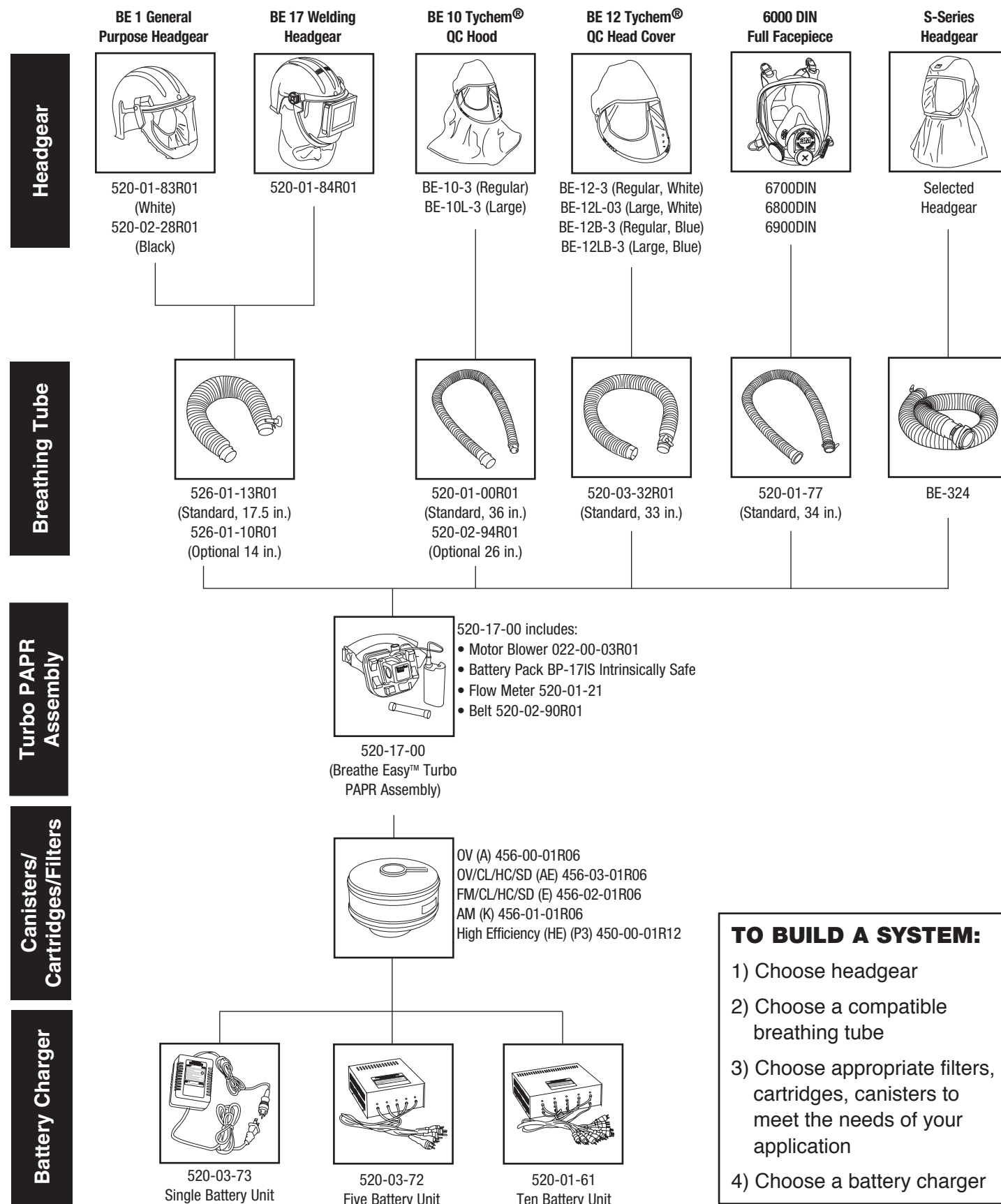
The 3M™ Breathe Easy™ Turbo PAPR with BP-17IS battery pack has been tested and classified for intrinsic safety ("Exia") by Underwriters Laboratory (UL) for use in the following Division I locations: Class I, Group D; Class II, Groups E, F, G; and Class III. Temperature code "T3".

**WARNING:** The 3M™ Battery Pack BP-17IS can be used in environments that require intrinsically safe equipment ONLY when the clothing clip and screw are in place. If the clothing clip and screw are not in place, DO NOT USE in environments that require intrinsically safe equipment. Misuse may result in serious bodily injury or death.

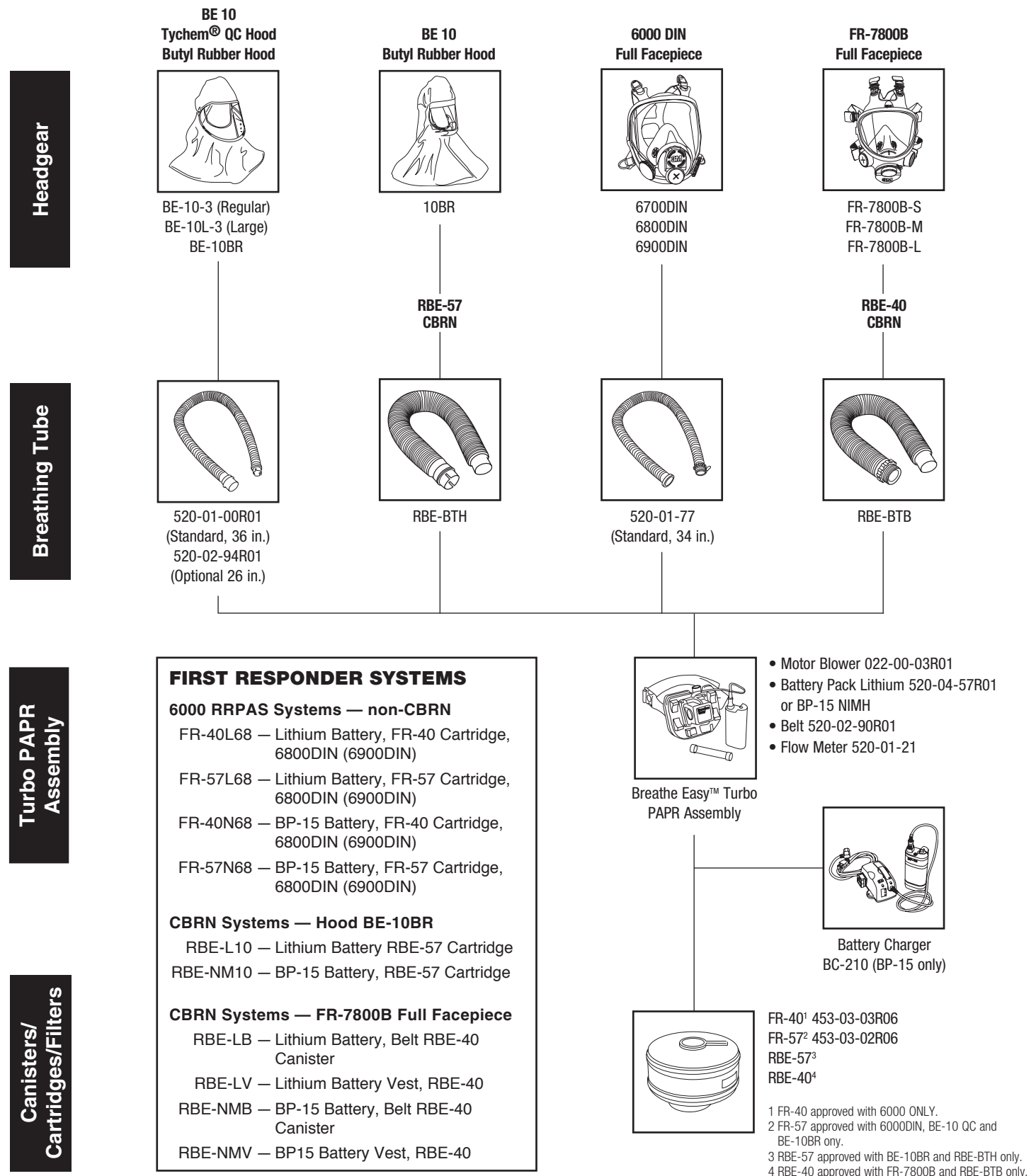
## BP-15 NiMH Battery (Non-Intrinsically Safe)



## BP-17IS NiCd Battery (Intrinsically Safe)



## CBRN and First Responder



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## Specifications

### Airflow

- Minimum 4 or 6 scfm (113 lpm or 170 lpm) depending on headgear type

### Weight

- Unit without filter/cartridge: approx 1.8 lb.

### Battery Pack

- Battery pack (NiMH): approx 1.8 lb.
- Battery pack (NiCd): approx 1.8 lb.  
Battery life: 400–500 charge/discharge cycles (NiMH, NiCd—depending on conditions)
- Battery pack (lithium): approx 1.0 lb.  
Battery life: 10 year shelf life, 12 hours (lithium)

## Assigned Protection Factor

1000 x PEL for hoods and full facepieces; 25 x PEL for loose-fitting facepieces or applicable OSHA or other government limits, whichever is lower.

## Breathe Easy™ System Headgear

### Ordering Information

Model	Description	Packaging
520-01-83R01	General Purpose Headgear Assembly (white)	1 pack
520-02-28R01	General Purpose Headgear Assembly (black)	1 pack
520-01-84R01	Welding Headgear Assembly (black)	1 pack
BE-10-3	Hood, Tychem® QC	3 pack
BE-10-20	Hood, Tychem® QC	20 pack
BE-10L-3	Hood, Large, Tychem® QC	3 pack
BE-10BR	Butyl Rubber Hood, with Cape	1 pack
BE-12-3	Head Cover, Regular, White, Tychem® QC	3 pack
BE-12-50	Head Cover, Regular, White, Tychem® QC	50 pack
BE-12L-03	Head Cover, Large, White, Tychem® QC	3 pack
BE-12L-50	Head Cover, Large, White, Tychem® QC	50 pack
BE-12B-3	Head Cover, Regular, Blue, Tychem® QC	3 pack
BE-12B-50	Head Cover, Regular, Blue, Tychem® QC	50 pack
BE-12LB-03	Head Cover, Large, Blue, Tychem® QC	3 pack
BE-12LB-50	Head Cover, Large, Blue, Tychem® QC	50 pack
6700 DIN	Full Facepiece, small	4/case
6800 DIN	Full Facepiece, medium	4/case
6900 DIN	Full Facepiece, large	4/case
FR-7800B-S	Full Facepiece, Small	1/case
FR-7800B-M	Full Facepiece, Medium	1/case
FR-7800B-L	Full Facepiece, Large	1/case

## Breathe Easy™ System Breathing Tubes

### Ordering Information

Model	Description	Packaging
526-01-13R01	Breathing Tube Assembly (17.5 in. std.)	1 pack
526-01-10R01	Breathing Tube Assembly (14 in. opt.)	1 pack
520-01-00R01	Breathing Tube Assembly (36 in. std.)	1 pack
520-02-94R01	Breathing Tube Assembly (26 in. opt.)	1 pack
520-03-32R01	Breathing Tube Assembly (33 in. std.)	1 pack
520-01-77	Breathing Tube Assembly (34 in. std.)	1 pack
RBE-BTH	Breathing Tube Assembly CBRN	1/case
RBE-BTB	Breathing Tube Assembly CBRN	1/case
BE-324	Breathing Tube Assembly	1/case

## Filters, Cartridges and Canisters

### Ordering Information

Model	Description	Packaging
450-00-01R12	High Efficiency (HE) Filter P3	12 pack
456-00-01R06	Organic Vapor Cartridge A	6 pack
456-03-01R06	Organic Vapor/Chlorine/Hydrogen Chloride/Sulfur Dioxide Cartridge AE	6 pack
456-02-01R06	Formaldehyde/Chlorine/Hydrogen Chloride/Sulfur Dioxide Cartridge E	6 pack
456-01-01R06	Ammonia/Methylamine Cartridge K	6 pack
453-00-01R06	Organic Vapor/HE Cartridge AP3	6 pack
453-03-01R06	Organic Vapor/Chlorine/Hydrogen Chloride/Sulfur Dioxide/HE Cartridge AEP3	6 pack
453-07-01R06	Organic Vapor/Hydrogen Fluoride/Sulfur Dioxide/HE Cartridge ALP3	6 pack
453-01-01R06	Formaldehyde/Chlorine/Hydrogen Chloride/Sulfur Dioxide/HE Cartridge EP3	6 pack
453-02-01R06	Ammonia/Methylamine/HE Cartridge KP3	6 pack
453-03-02R06	Cartridge FR-57	6 pack/case
453-03-03R06	Canister FR-40	6 pack/case
RBE-40	Cartridge RBE-40 CBRN	6 pack/case
RBE-57	Cartridge RBE-57 CBRN	6 pack/case

## Battery Charger

### Ordering Information

Model	Description	Packaging
520-03-73	NiCd Smart Battery Charger Single Unit	1 pack
520-03-72	NiCd Smart Battery Charger 5-Unit	1 pack
520-01-61	NiCd Smart Battery Charger 10-Unit	1 pack
BC-210	BP-15 Battery Charger	1 pack

## Accessories

### Ordering Information

Model	Description	Packaging
022-25-06R01	Comfort Pad (for turbo units)	1 pack
RBE-SC	Shower Cover	2/pack
RBE FIH	Hood Insert	1/pack



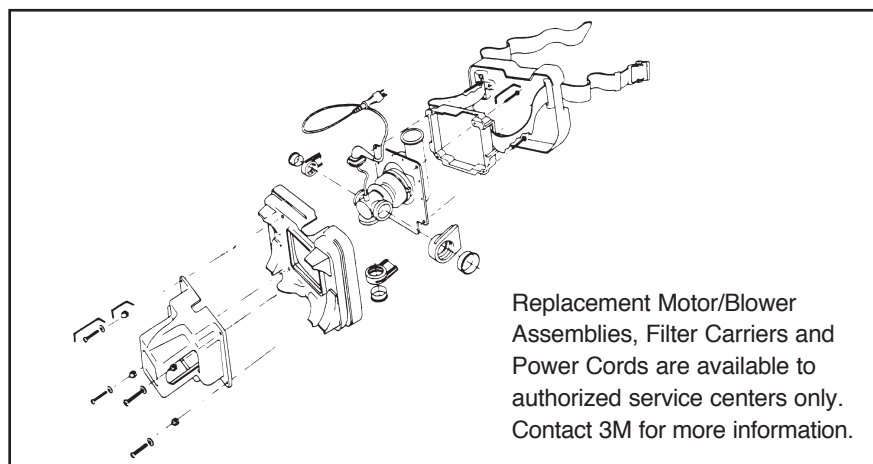
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## Replacement Parts Ordering Information

Model	Description	Packaging
022-00-03R01	Turbo Motor Blower Unit	1 pack
022-25-06R01	Comfort Pad (for turbo units)	1 pack
BP-15	Battery Pack, NiMH, Black	1 pack
BP-17IS	Battery Pack, NiCd, Intrinsically Safe	1 pack
520-01-21	Flow Meter	1 pack
520-02-90R01	Belt Assembly 60 in. long (Standard)	1 pack
520-02-23R01	Belt, Decontaminable(polyurethane-coated nylon), 50" Long x 2" Wide	
524-01-04R01	Harness Assembly (Back Pack)	1 pack
524-01-19R01	Belt, Leather, 60" Long x 2" Wide	1 pack
520-15-00	Turbo PAPR Assembly, Standard	1 pack
520-17-00	Turbo PAPR Assembly	1 pack
022-12-00R01	Rear Cover	1 pack
022-25-06R01	Comfort Pad	1 pack
527-01-01R01	Turbo/Breathing Tube Tychem® Cover	1 pack
529-01-93R01	Breathing Tube Clamp	1 pack



## ⚠ WARNING



These respirators help reduce exposure to certain airborne contaminants. **Misuse may result in sickness or death.** Before use, the wearer must read and understand *User Instructions* provided as a part of product packaging. Time use limitations may apply. For proper use, see supervisor, packaging or call 3M OH&ESD Technical Service, call 1-800-243-4630. In Canada, call 1-800-267-4414 or 1-800-265-1840, ext. 6137.

For more information, please contact:

**3M Occupational Health and Environmental Safety Division (OH&ESD)**

**In the U.S., contact:**

**Customer Service**  
1-800-328-1667

**Technical Assistance**  
1-800-243-4630

**Internet**  
[www.3M.com/occsafety](http://www.3M.com/occsafety)

**For other 3M products**  
1-800-3M HELPS

**In Canada, contact:**

3M Canada Company, OH&ESD  
P.O. Box 5757  
London, Ontario N6A 4T1

**Customer Service**  
1-800-265-1840

**Technical Assistance (Canada only)**  
1-800-267-4414

**Internet**  
[www.3M.com/CA/occsafety](http://www.3M.com/CA/occsafety)

**Technical Assistance In Mexico**  
01-800-712-0646  
5270-2255, 5270-2119 (Mexico City only)

**Technical Assistance In Brazil**  
0800-132333

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St. Paul, MN 55144-1000