

3M™ Powered and Supplied Air Respirators



3M™ Powered Air Purifying Respirators (PAPRs)

A powered air purifying respirator (PAPR) is a system that uses a fan to deliver filtered air into a variety of headgear and facepiece options. Many different PAPR configurations from 3M are available to fit a wide range of workplace and wearer comfort needs.

PAPR systems are available as face-mounted, helmet-mounted and belt-mounted configurations. Most systems will include a headpiece, breathing tube (if applicable), motor-blower unit, battery, filter and/or cartridge. Depending on the headgear chosen, certain PAPR systems can also provide head, eye and face protection.

3M™ Supplied Air Respirators

3M™ Supplied Air Respirators are designed to deliver clean air* to the worker. The air can be supplied from a high pressure compressor, low-pressure pumps, or cylinders (bottled air). 3M offers several products that can connect to a supplied air system including hoods, helmets, full facepieces, half facepieces and loose-fitting facepieces.

Supplied air respirators from 3M offer many features over traditional respirator protection such as:

- Heating or cooling valves
- Fit testing for tight-fitting facepieces only
- Lower maintenance

Supplied air systems are another avenue to help increase comfort and protection.

*It is the employer's responsibility to ensure that the compressed air used with any supplied air system meets the requirements for at least Grade-D breathing air per the Compressed Gas Association Commodity Specification G-7.1-1998 in the U.S. In Canada refer to CSA Standard Z180.1 table for the quality of compressed breathing air.



See 3M.com/PPESafety for more product selection.



3M™ Versaflo™ Powered Air Purifying Respirator

3M™ Versaflo™ Respirator Systems are a comfortable, comprehensive approach to worker protection. Each system has three easy-to-select modules – headgear, breathing tubes and air sources – that can be combined into dozens of system configurations. This allows Versaflo system users to experience maximum flexibility as they move from one environment to another, or from one application to the next.

3M™ Versaflo™ TR-300 Powered Air Purifying Respirator*

Assembly shown:
UPC: 00051131173552
Product #: TR-305N
3M ID: 70-0715-6350-9



Features and Benefits

Thin, light and small

- Improved comfort
- Ease of use in tight spaces

Easy to Use

- Simple, one-button operation
- Battery and airflow alarms

Reliable Protection

- Sophisticated electronics keep the factory-calibrated airflow at a nominal 190 LPM (6.7 CFM)

Intelligent Power

- Lightweight lithium ion battery quickly charges and has no memory effect or heavy metals
- Intelligent chargers help maintain the optimum battery performance

Straightforward Maintenance

- Battery and filter can be changed quickly and easily
- The belt and blower unit have smooth outer surfaces for easier cleaning

Designed for Optimal Usability

- Air inlet design helps make sitting possible without compromising airflow intake
- Filter cover window allows for easy identification of the installed filter
- LED lights on the battery indicate charge status on and off the charger
- Intuitive user interface – blue components represent user interface points

Typical Applications

- Grinding
- Powder handling
- Pulverizing
- Sawing
- Cutting
- Infection control

Other 3M™ Versaflo™ PAPR Compatible Products*

S-Series Hoods

Product #: S-103L-20 (shown)



Product #: S-403L-20 (shown)



M-Series Headtops

Product #: M-105 (shown) (37314)



Product #: M-405 (shown)



L-SG Series

Product #: L-705SG (shown)



*For full line of products, see page 77.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

3M™ Powered and Supplied Air Respirators



3M™ GVP-Series Belt-Mounted Powered Air Purifying Respirator

The 3M™ GVP-Series Belt-Mounted PAPR is a motorized blower unit worn at the waist, which delivers filtered air into a variety of headgear options. The GVP allows the wearer to choose from a wide selection of filters and cartridges that offer flexibility and freedom to work in a variety of industrial environments. These systems are compatible with many different styles of headgear ranging from lightweight hoods, bumpcaps, hard hats, helmets and full facepiece respirators.

3M™ GVP-Series PAPR*

Assembly shown:

UPC: 00051131527720

Product #: GVP-CB

3M ID: 70-0710-4291-8



Features and Benefits

- High levels of airflow
- Wide comfortable belt
- 2 battery options (NiMH and NiCD)
- All hoods and helmets are dual approved for use in SAR mode
- Intrinsically safe option available
- Inlet and outlet plugs to allow blower unit to be completely sealed for decontamination

Typical Applications

- Spray painting
- Powder painting
- Grinding
- Liquid, chemical handling
- Sweeping
- Cutting
- Mold remediation

Other 3M™ GVP-Series Belt-Mounted PAPR Compatible Products*



S-Series Hoods

Product #: S-757 (37301)
(shown)



M-Series Headtops

Product #: M-107
(shown)



Product #: M-405
(shown)



Product #: S-805-5
(shown)



Battery Options

Product #: BP-15
(shown)



Suspension

Product #: S-950
(shown)



Product #: BP-17IS
(shown)

*For full line of products, see page 76.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

See 3M.com/PPESafety for more product selection.



3M™ Air-Mate™ Belt-Mounted Powered Air Purifying Respirator

This all-in-one respirator assembly is an efficient, comfortable and economical powered air purifying respirator system that includes the air-filter unit, battery pack, high efficiency particulate filter, belt and airflow indicator.

3M™ Air-Mate™ PAPR*

Assembly shown:

UPC: 00051131987036

Product #: AMH-1U

3M ID: 70-0714-0371-4

Features and Benefits

- Lightweight
- Filter and battery are enclosed in single unit
- Up to eight hours of battery service per charge
- Choice of head cover (BE-12) or hood (BE-10)
- High efficiency particulate filter only
- Battery can be charged either within unit or using external charger



Typical Applications

- Infection control
- Powder handling
- Pulverizing
- Sweeping
- Bagging

Other 3M™ Air-Mate™ Belt-Mounted PAPR Compatible Products*

BE-12 blue

Product #: BE-12B-3 (shown)



BE-12 white

Product #: BE-12-3 (shown)



BE-10

Product #: BE-10-3 (shown)



*For full line of products, see page 72.

3M™ Powered and Supplied Air Respirators

3M™ Breathe Easy™ Belt-Mounted Powered Air Purifying Respirator

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.

3M™ Breathe Easy™ Belt-Mounted PAPR Assembly*

Assembly shown:

UPC: 00051138728373

Product #: 520-15-00

3M ID: 70-0708-8927-7



Features and Benefits

- Lightweight, comfortable and ideal for long periods of wear
- Battery options include rechargeable NiMH, NiCd or disposable lithium
- Canisters, cartridges and filters are available for a variety of contaminants
- Intrinsically safe options available

Typical Applications

- Spray painting
- Powder painting
- Grinding
- Liquid, chemical handling
- Sweeping
- Cutting
- Mold remediation
- Smelting operations

Other 3M™ Breathe Easy™ Belt-Mounted PAPR Compatible Products*



S-Series

Product #: S-657
(shown)



M-Series

Product #: M-107
(shown)



Product #: S-403S-20
(shown)



Product #: M-307
(shown)



Cartridge Options

Product #: 456-03-01R06
(shown)



Product #: M-407
(shown)

*For full line of products, see pages 73 and 74.

Lightweight and

See 3M.com/PPESafety for more product selection.

3M™ Airstream™ Headgear-Mounted Powered Air Purifying Respirator

Helmet-mounted PAPRs provide all the features of belt-mounted powered air purifying respirators: increased wearer comfort, no fit test requirements, compatibility with glasses and may help increase wearer productivity without the need to wear a motorized blower unit at the waist. The following systems are ideally suited for mining, smelting, foundry and metal working.

3M™ Airstream™ Mining Headgear-Mounted PAPR System

Assembly shown:

UPC: 00051138765606

Product #: AS-600LBC

3M ID: 70-0708-4592-3

Features and Benefits

- Up to eight hours of battery life
- Intrinsically safe
- Lightweight and well-balanced
- High efficiency filter
- Hard hat approved
- Anti-fog/anti-scratch lens (miners model)
- Lamp attachment (miners model)

Typical Industries

- Mining operations
- Smelting operations
- Foundry operations
- Metal working operations



Other 3M™ Airstream™ Headgear-Mounted PAPR Products

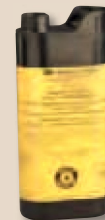
AS-400LBC

Product #: AS-400LBC (shown)



Battery Pack (intrinsically safe)

Product #: 520-01-02R01 (shown)



easy to use.

3M™ Powered and Supplied Air Respirators

3M™ Powerflow™ Face-Mounted Powered Air Purifying Respirator

Face-mounted PAPRs provide increased airflow and wearer comfort that may help improve productivity. The product is ideally designed for abatement and remediation work. Approved for use with high efficiency particulate filter only.

This powered air purifying respirator helps provide respiratory protection against dust, mist, fumes, radionuclides and radon daughters. Lightweight and face-mounted, it uses a high efficiency particulate filter. Ideal for lead and asbestos, and other abatement applications.

3M™ Powerflow™ Face-Mounted PAPR*

Assembly shown:

UPC: 00051138767129

Product #: 6800PF

3M ID: 70-0708-9011-9

Features and Benefits

- Economically priced
- Compact design fits closely to the wearer
- Increased airflow and wearer comfort
- US OSHA APF 1000 when used in accordance with 3M recommendations and user instructions

Typical Applications

- Abatement
- Mold remediation
- Cutting
- Sweeping



*For full line of products, see page 80.

See 3M.com/PPESafety for more product selection.

3M™ Versaflo™ V-Series Supplied Air Valves

The 3M™ Versaflo™ V-Series Supplied Air Valves, when used with approved supplied air line, breathing tube and headgear, can help regulate the flow and temperature of supplied air system.

3M™ Versaflo™ V-Series Supplied Air Valves*

Assembly shown:

UPC: 00051131370180

Product #: V-100 (37018)

3M ID: 70-0707-9901-3

Features and Benefits

- Allows worker to regulate air flow
- Allows workers to regulate supplied air temperature by as much as 50°F (28°C)
- Includes the cooling tube, waist belt and holder
- Compatible with multiple 3M™ Versaflo™ headgear options

Typical Applications

- Paint spraying
- Paint stripping
- Grinding
- Welding
- Liquid, chemical handling
- Powder coating



Other 3M™ Versaflo™ V-Series Supplied Air Valve Compatible Products*



Air Regulator Panel

Product #: 256-02-01
(shown)



Hoods

Product #: S-657
(shown)



Headgear

Product #: M-305
(shown)



Welding Helmets

Product #: L-705SG-F
(shown)



3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

*For full line of products, see page 75.

3M™ Powered and Supplied Air Respirators



3M™ Versaflo™ M-Series Headgear

3M™ Versaflo™ M-Series Headgear offers dependable protection, exceptional comfort and ease of use. The headgear is lightweight, compact, and easy to maintain while helping to provide the wearer with protection from a range of hazards. Their versatility makes them suitable for many applications.

3M™ Versaflo™ M-Series Headgear*

Assembly shown:

M-105 UPC: 00051131373143

Product #: M-105 (37314)

3M ID: 70-0715-4492-1

M-105

M-170 UPC: 00051131373181

Product #: M-170 (37318)

3M ID: 70-0715-4497-0



M-170



Other 3M™ Versaflo™ M-Series Headgear*

M-300 Series Headtop

Product #: M-307 (shown)



M-400 Series Headtop

Product #: M-407 (shown)



Features and Benefits of 3M™ Versaflo™ M-Series Headgear

- Adjustable airflow for increased control and comfort
- Easily adjustable suspensions for individualized comfort
- Modern, well balanced comfortable design
- Easily removable parts allow for simple cleaning, maintenance, and replacement
- New visor design for good optical clarity
- Faceshield, hard hat, and respiratory helmets provide a wide range of solutions
- Faceseal or full shroud options provide OSHA APF of 25 and 1000 (depending on model)

For use with select 3M™ Powered Air Purifying and Supplied Air Respirator products.

3M Automotive Aftermarket Division (AAD) product numbers are found in blue type on select products.

*For full line of products, see matrices beginning on page 73.



See 3M.com/PPESafety for more product selection.



3M™ Versaflo™ S-Series Hoods and Headcovers

The new 3M™ Versaflo™ S-Series Hoods and Headcovers have been designed to provide users with the optimal level of comfort.

3M™ Versaflo™ S-Series Headtops*

Assembly shown:

UPC: 00051131170933

Product #: S-655

3M ID: 70-0715-3327-0

Features and Benefits of 3M™ Versaflo™ S-Series Hoods and Headcovers

- Multiple head suspensions help address personal comfort needs
- Exceptional airflow and reduced fogging
- Head/face cover or full shroud options provide OSHA APF of 25 and 1000 (depending on model)
- Quick Release Swivel breathing tube connection provides fast assembly and removal
- Reduced curvature visor provides exceptional field of view
- Cost effective



For use with select 3M™ Powered Air Purifying and Supplied Air Respirator products.

Other 3M™ Versaflo™ S-Series Hoods and Headcovers for Powered and Supplied Air Respirators*



S-100 Series Hoods
Product #: S-133LB-5
(shown)



Product #: S-133L-5
(shown)



S-600 Series Hoods
Product #: S-657 (shown)



Suspension
Product #: S-950 (shown)

*For full line of products, see matrices beginning on page 73.

3M™ Powered and Supplied Air Respirators



3M™ Hoods H-Series

3M™ Hoods H-Series are loose fitting headgear approved for use with certain 3M™ Powered Air Purifying and Supplied Air Respirator Systems. These respirator systems help provide respiratory protection against certain particulates, organic vapors, acid gases and other inorganic gases.

3M™ Hood H-Series*

Assembly shown:

UPC: 00051131070448

Product #: H-412

3M ID: 70-0707-9812-2

Features and Benefits of H-Series

- Wide-view faceshield
- Shoulder length or waist length shroud
- Hard hat suspension option
- Cap suspension option
- Available with inner knit collar or inner shroud

For use with select 3M™ Powered Air Purifying and Supplied Air Respirator products.



Other 3M™ Hoods H-Series*

H-400 Series Hood

Product #: H-421 (shown)



H-600 Series Hood

Product #: H-612 (shown)



Comfort Simplicity Versatility

*For full line of products, see page 75 and 76.