

3M Science.
Applied to Life.™

3M™ Versaflo™ Systems for
Powered and Supplied Air Respirators

**For a safer,
more comfortable you.**

Watch Now



3M.com/Versaflo



Inadequate respiratory protection is one of the

TOP 5

most frequently cited
OSHA violations.*

Tackle workplace hazards with a respiratory protection solution workers will want to wear.

PAPR systems can offer respiratory protection with integrated head, eye and face protection that can help provide a more comfortable environment for the worker.

RESPIRATORY | HEAD | EYE & FACE | HEARING

More reasons to consider a 3M™ Versaflo™ Belt-Mounted PAPR System

In addition to providing respiratory protection, PAPR systems can help bring premium safety, comfort and convenience to the job.



Are your workers looking for a respirator designed to help make breathing easier?†



PAPR components are designed to work securely together, combining head, eye,** face and respiratory protection.



PAPRs deliver filtered air all day long.



PAPR systems put convenience front and center. Workers with limited facial hair may be accommodated with certain headtops.



With the ANSI standard in mind, 3M designed certain headtops with integrated face shields to help reduce the risk of exposure to eye injuries.**

Watch Now ▶

*U.S. Department of Labor. *Top Ten Standards*. OSHA 01/05/16. https://www.osha.gov/Top_Ten_Standards.html

**Headtops should be considered secondary eyewear protection and used in conjunction with eye protection.

†3M™ Versaflo™ Belt-Mounted PAPR systems offer a filtered supply of air.

Build your system how you see fit.

Take three steps to move toward safety.



Headtop

How high are airborne concentrations in your environment? What's the potential for eye injuries? Different jobs call for different kinds of headtops to protect workers from hazardous environments. From hoods to helmets, choosing the right headtop requires putting on your own thinking cap.

Breathing Tube

Choose from a range of breathing tubes varying in length.

Blower

The blower unit delivers filtered air to the system while also housing the battery, filter and filter cover. Review factors such as work environment and shift duration, then choose from the appropriate blower unit configuration that is right for your hazards.

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Easy to Use

3M products shown here:

- ▶ M-206 3M™ Versaflo™ Respiratory Faceshield
- ▶ TR-613N Assembly
 - ▶ - TR-602N Motor/Blower
 - ▶ - TR-626 High Durability Belt
 - ▶ - TR-630 Standard Battery
 - ▶ - BT-30 Length Adjusting Breathing Tube
- ▶ M-985 Earmuff Assembly for M-Series
- ▶ TR-6300FC Filter Cover
- ▶ TR-6350N-5 Formaldehyde/HE Cartridge
- ▶ 11818-00000-20 Virtua AP Protective Eyewear
- ▶ 4535 Disposable Protective Coverall

Your job is harsh, hot and dirty, and you're comfortable with that.

3M™ Versaflo™ Light and Heavy Industry Kits bring long-lasting comfort and protection to your shifts. Ready to go right out of the box, these kits are a convenient solution to take on a variety of industrial tasks.

Why choose a TR-300 Light Industry kit:

Watch Now ▶
How to Assemble

Stay productive

With our PPE equipment designed for compatibility, you can easily accommodate eyeglasses and attach earmuffs.

Beat harsh environments

Rugged work demands durable and strong head protection.

See clearer

Durable faceshield protects against flying objects and sparks while retaining optical clarity.

Breathe easier

When working in hot, humid conditions, stay comfortable with powered air.

▶ TR-300-LIK Complete Light Industry PAPR Kit

The kit includes:

- M-206 Respiratory Faceshield Assembly with M-985 Earmuff
- BT-30 Length Adjusting Breathing Tube
- TR-302N PAPR Unit
- TR-326 High Durability Belt
- TR-332 High Capacity Battery
- TR-362 Spark Arrestor
- TR-341N Battery Charger
- TR-3712N HE Filter
- TR-3600 Prefilter
- TR-970 Airflow Indicator

Watch Now ▶

Work longer

An extended battery life option lets you work in a remote location for longer periods of time.

▶ TR-300-HIK Heavy Industry PAPR Kit

The kit includes:

- M-307 Respiratory Hard Hat Assembly
- TR-302N PAPR Unit
- TR-326 High Durability Belt
- TR-341N Battery Charger
- TR-3712N Filter
- TR-362 Spark Arrestor/Prefilter
- TR-332 High Capacity Battery
- BT-40 Heavy Duty Breathing Tube
- TR-970 Airflow Indicator

▶ 3M offers a wide range of headtops. See page 14 for more info.

▶ SA-100-PSK Painter's Supplied Air Respirator Kit

For painters using supplied air, this is a great choice to stay cool and keep working.

The kit includes:

- V-100 Vortex Cooling Assembly
- BT-20L Breathing Tube
- BT-922 Breathing Tube Cover
- M-206 Respiratory Faceshield Assembly

A supplied air hose (sold separately) is required to complete the NIOSH-approved system. Contact 3M Technical Service for information on air source options and air quality requirements.



Watch Now
See How it Works



Why choose a TR-600 Heavy Industry kit:

Watch Now
How to Assemble

Cover your bases

Utilize cartridges to help protect against certain gas and vapors, combined with filters for protection against particulates.

Fewer worries

Rugged, durable faceshield with premium visor helps protect against sparks and debris.

Feel heightened comfort

Heavy-duty belt designed with airflow channels, multiple size adjustments and belt extender options.

Work with ease

Intuitive, colored touchpoints plus visual, vibratory and audible low-flow indicators help make the TR-600 easy to use.

Watch Now



Keep the air flowing

- Multi-speed blower functions up to 16,000 feet.**
- High capacity battery offers long run time, less charge time and, ultimately, reduced down time.

Watch Now

▶ TR-600-HIK Heavy Industry PAPR Kit

The kit includes:

- M-307 Respiratory Hard Hat Assembly with Premium Visor and Faceseal
- TR-602N PAPR Unit
- TR-632 High Capacity Battery
- BT-30 Length Adjusting Breathing Tube
- TR-626 High Durability Belt
- TR-6530N OV/AG/HE Cartridge
- TR-6500 Filter Cover
- TR-641N Single Station Battery Charger Kit
- TR-971 Airflow Indicator
- BT-926 High Temperature Breathing Tube Cover
- TR-6600 Prefilter (x2)
- TR-662 Spark Arrestor (x2)

▶ 3M offers a wide range of headtops. See page 14 for more info.

▶ GVP-PSK2 Painter's Belt-Mounted PAPR Kit

Whether they're covering surfaces small or large, painters require maximum mobility and flexibility.

The kit includes:

- GVP-CB PAPR Assembly (includes GVP-100 PAPR Unit, GVP-112 Battery Charger, CB-1000 Comfort Belt, GVP-113 Flow Meter, GVP-110 Power Cord and GVP-115 Blower Plugs)
- GVP-441 OV/HE Filter
- GVP-119 Shower Cover
- BT-20L Breathing Tube
- BT-922 Breathing Tube Cover
- M-206 Respiratory Faceshield Assembly
- One sample Peel-Off Visor Cover M-926



For work this particular and precise, we really clean up.

In environments such as pharmaceutical, chemical, electronics, food and beverage, and healthcare applications, it's key to protect workers. With the 3M™ Versaflo™ Easy Clean Kit, workers at risk of being exposed to hazardous particulates in the air have less to worry about when cleaning up.

Why choose a TR-300 Easy Clean and Light Industry kit:

[Watch Now](#) 
How to Assemble

Conveniently disposable

Save time cleaning with our maintenance-free disposable hood.

Wider field of vision

Freedom to wear your own safety eyewear.

Connect quickly

Our innovative Quick Release Swivel (QRS) connects quickly and helps avoid kinks in the breathing tube.

▶ TR-300-ECK

The kit includes:

- S-655 Hood Assembly
- BT-30 Length Adjusting Breathing Tube
- TR-302N PAPR Unit
- TR-327 Easy Clean Belt
- TR-332 High Capacity Battery
- TR-341N Battery Charger Kit
- TR-3712N HE Filter
- TR-3600 Prefilter
- TR-970 Airflow Indicator

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Contoured design

Slim device with smooth outer surfaces can help work in tight spaces.



Why choose a TR-600 Easy Clean kit:

[Watch Now](#)
 How to Assemble

See the bigger picture

Maintenance-free disposable hood saves you time cleaning while providing a wide field of view.

More options for more tasks

Choose from particulate filters or gas and vapor combination cartridges for protection in a variety of environments.

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Work at your own speed

Multiple airflow rates put you in control of your comfort.



There's work to be done

Standard battery lasts up to 12 hours, delivering more run time, less charging time and reduced downtime.

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When clean is critical

Easy-to-clean belt saves time and effort, paving the way for more productivity.

▶ TR-600-ECK

The kit includes:

- S-433L Hood with Integrated Head Suspension
- BT-30 Length Adjusting Breathing Tube
- TR-6710N (HE) Filter
- TR-641N Single Station Battery Charger
- BT-922 Breathing Tube Cover
- TR-602N PAPR Unit
- TR-630 Standard Battery
- TR-627 Easy Clean Belt
- TR-6700 Filter Cover
- TR-6600 Prefilter (X2)
- TR-662 Spark Arrestor (X2)
- TR-971 Airflow Indicator

▶ S-Series headtops selection available on page 15.



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Make clean happen

- ▶ The TR-653 cleaning and storage kit provides inlet and outlet plugs to seal the components during cleaning and storage. The TR-600 blower and batteries are fully submersible when used with the TR-653 cleaning and storage kit.



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See page 13 for more details.

Helping you take on your workplace hazards.

For the healthcare and hospital professional, unseen hazards may be in the air. The all-in-one 3M™ Versaflo™ Healthcare Kit is designed to help protect the healthcare worker from airborne particulates – without compromising comfort or flexibility. Versaflo Healthcare Kits are easy to clean, easy to maintain and easy to work with.

Why choose a TR-300 healthcare kit:

[Watch Now](#) 
How to Assemble



Easy access to ears
Stethoscope use is easier with the unique shape of our S-Series headcovers.

Expand your view
See more with a wider field of vision, thanks to enhanced visor design.

Connect quickly
Our innovative Quick Release Swivel (QRS) connects quickly and helps avoid kinks in the breathing tube.

Conveniently disposable
Save time cleaning with our maintenance-free disposable headcover.

Better patient contact
Patients can see their provider's entire face.

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 S-Series head gear selection available on page 15.

▶ TR-300-HKL

The 3M™ Versaflo™ TR-300-HKL is a complete, ready-to-use HE PAPR system with a medium-to-large headcover.

- S-133L Headcover
- BT-30 Length Adjusting Breathing Tube with BT-922 Breathing Tube Cover
- TR-991 Carrying Bag
- TR-302N PAPR Unit
- TR-327 Easy Clean Belt
- TR-332 High Capacity Battery
- TR-341N Battery Charger Kit
- TR-3712N HE Filter
- TR-3600 Prefilter
- TR-970 Airflow Indicator

▶ TR-300-HKS

Like the HKL, the 3M™ Versaflo™ TR-300-HKS is a complete, ready-to-use HE PAPR system with a small-to-medium headcover.

- S-133S Headcover
- BT-30 Length Adjusting Breathing Tube with BT-922 Breathing Tube Cover
- TR-991 Carrying Bag
- TR-302N PAPR Unit
- TR-327 Easy Clean Belt
- TR-332 High Capacity Battery
- TR-341N Battery Charger Kit
- TR-3712N HE Filter
- TR-3600 Prefilter
- TR-970 Airflow Indicator



Why choose a TR-600 healthcare kit:

[Watch Now](#) ▶
How to Assemble

Cover your bases

Utilizes cartridges to protect against gas and organic vapors, combined with filters for protection against particulates.

[Watch Now](#) ▶

Get more out of your workday

Longer run time, reduced downtime with a high capacity battery and charge-level indicators to keep you prepared and informed.



[Watch Now](#) ▶

[Watch Now](#) ▶

A broader view

See more of your work world with this convenient, maintenance-free disposable headcover.

[Watch Now](#) ▶

Keeping it clean

Fully submersible product features a smooth surface design that's quick and easy to clean and decontaminate.

▶ **TR-600-HKL**
(For medium/large headcovers)

▶ **TR-600-HKS**
(For small/medium headcovers)

Each kit includes:

- S-133 Soft Headtop
- TR-971 Airflow Indicator
- TR-6710N Filter
- TR-641N Single Station Battery Charger
- TR-653 Cleaning and Storage Kit
- TR-991 Carrying Bag
- TR-602N PAPR Unit
- TR-630 Standard Battery
- BT-30 Length Adjusting Breathing Tube
- TR-627 Easy Clean Belt
- TR-6700FC Filter Cover



[Watch Now](#) ▶

▶ S-Series head gear selection available on page 15.

Choose your own headtop!



▶ **TR-614-HK**

Each kit includes:

- TR-602N PAPR Unit
- TR-630 Standard Battery
- TR-6710N Filter
- TR-6700FC Filter Cover
- BT-30 Length Adjusting Breathing Tube
- TR-641N Single Station Battery Charger
- TR-627 Easy Clean Belt
- TR-971 Airflow Indicator
- TR-653 Cleaning and Storage Kit
- TR-991 Carrying Bag

Customize your protection without compromise.

Assemblies offer a more customized experience that puts you in control of the respiratory protection you need. **Headtops and breathing tubes sold separately.**

Watch Now ▶
How to Assemble



Watch Now ▶
Easy to Use

Assemblies

Easy Clean TR-300 Assemblies:

▶ TR-304N PAPR

PAPR assembly includes:

- Blower Unit (TR-301N)
- Flow Indicator (TR-970)
- Filter Cover (TR-371)
- HE Filter (TR-3712N)
- **Easy Clean Belt (TR-327)**
- **Economy Battery (TR-330)**
- Prefilter (TR-3600)

Charger sold separately.

▶ TR-307N PAPR

PAPR assembly includes:

- Blower Unit (TR-301N)
- Air Flow Indicator (TR-970)
- Filter Cover (TR-371)
- HE Filter (TR-3712N)
- **Easy Clean Belt (TR-327)**
- **High Capacity Battery (TR-332)**
- Prefilter (TR-3600)
- Single Unit Charger Kit (TR-341N)

Industrial TR-300 Assemblies:

▶ TR-306N PAPR

PAPR assembly includes:

- Blower Unit (TR-301N)
- Air Flow Indicator (TR-970)
- Filter Cover (TR-371)
- HE Filter (TR-3712N)
- **High Durability Leather Belt (TR-326)**
- **High Capacity Battery (TR-332)**
- Prefilter (TR-3600)
- Spark Arrester/Prefilter (TR-362)
- Single Unit Charger Kit (TR-341N)

▶ TR-305N PAPR

PAPR assembly includes:

- Blower Unit (TR-301N)
- Flow Indicator (TR-970)
- Filter Cover (TR-371)
- HE Filter (TR-3712N)
- **Standard Web Belt (TR-325)**
- **Economy Battery (TR-330)**
- Prefilter (TR-3600)
- Single Unit Charger Kit (TR-341N)

Assemble your system.

The assembly option allows you to customize a system that's just right for your needs.

Choose your assembly to build a complete respiratory protection system of your own creation. **Headtops, filter, filter cover and battery charger** sold separately.

Watch Now ▶
How to Assemble



Watch Now ▶

Watch Now ▶
Easy to Use

Assemblies

Easy Clean TR-600 Assemblies:

▶ TR-614N

3M™ Versaflo™ Powered Air Purifying Respiratory TR-614N Assembly includes:

- TR-602N Motor/Blower
- BT-30 Length Adjusting Breathing Tube
- TR-630 Standard Battery
- TR-627 Easy Clean Belt
- TR-971 Air Flow Indicator

▶ TR-617N

3M™ Versaflo™ Powered Air Purifying Respiratory TR-617N Assembly includes:

- TR-602N Motor/Blower
- BT-30 Length Adjusting Breathing Tube
- TR-632 High Capacity Battery
- TR-627 Easy Clean Belt
- TR-971 Air Flow Indicator

Heavy Industry TR-600 Assemblies:

▶ TR-613N

3M™ Versaflo™ Powered Air Purifying Respiratory TR-613N Assembly includes:

- TR-602N Motor/Blower
- BT-30 Length Adjusting Breathing Tube
- TR-630 Standard Battery
- TR-626 High Durability Belt
- TR-971 Air Flow Indicator

▶ TR-616N

3M™ Versaflo™ Powered Air Purifying Respiratory TR-616N Assembly includes:

- TR-602N Motor/Blower
- BT-30 Length Adjusting Breathing Tube
- TR-632 High Capacity Battery
- TR-626 High Durability Belt
- TR-971 Air Flow Indicator

When the job is tough, go with the flow.

The blower unit delivers filtered air to the system while also housing the battery, filter and filter cover. Review other factors such as work environment and shift duration, then choose from the appropriate blower unit configuration that is right for your hazards.

More options for more tasks

Choose from particulate filters or gas and vapor combination cartridges for protection in a variety of environments.

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Slim profile

Smooth outer surfaces assist work in tight spaces and help to reduce snagging on nearby objects.

2 battery options

Approximately 7 to 19 hours, depending on setup and air speed.

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Stay aware

Visual, audible, and vibratory alarms for low battery and low flow.

[Watch Now](#)

You're in control

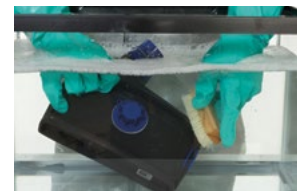
Three-speed, flow controlled.

[Watch Now](#)

Easy clean

Fully submersible* design, suitable for use in decontamination showers, making it easy to clean and decontaminate.

[Watch Now](#)



[Watch Now](#)

Versaflo TR-600 batteries plus cleaning and storage kits



▶ TR-630 Standard Battery

A lightweight, standard capacity lithium ion battery pack for TR-600 series PAPRs.

- Submersible w/kit for easy cleaning
- Easy determination of charge level
- Run time (7 to 12 hours) with particulate filters or cartridges
- Fast charging speeds up availability
- Compact and lightweight

[Watch Now](#)



▶ TR-632 High Capacity Battery

A high capacity lithium ion battery pack for TR-600 series PAPRs.

- Submersible w/kit for easy cleaning
- Easy determination of charge level
- Long run time (10 to 19 hours) for particulate filters or cartridges
- Fast charging speeds up availability

[Watch Now](#)



▶ TR-630 and TR-632 are submersible!*

Lithium ion battery pack can be submersed for easy cleaning.

▶ TR-653 Cleaning and Storage Kit

With plugs that allow the TR-600 motor/blower and battery to be submerged underwater, this kit makes cleaning quick and easy. During storage, the plugs may also keep the motor/blower's internal components clean.

Each kit contains:

- 1 inlet plug and 2 seals
- 1 outlet plug and 2 seals
- 1 battery connector cover



*Requires purchase of TR-653 Cleaning and Storage Kit.

[Watch Now](#)

Know your exposure. Make your choice.

Watch Now ▶

Filters capture particles.



Combination cartridges filter particulates and certain gases and vapors.

Filters and cartridge elements are suitable for different tasks. Filters help protect against particles such as dust, while cartridges work to protect against certain gases and vapors. Making the right cartridge choice depends upon understanding the hazards in the work environment.

Download Now ▶

TR-600 Filters/Cartridges	Description
▶ TR-6320N - Magenta/White	▶ 3M™ Versaflo™ Acid Gas/HE Cartridge
▶ TR-6350N - Magenta/Olive	▶ 3M™ Versaflo™ Formaldehyde/HE Cartridge
▶ TR-6360N - Magenta/Green	▶ 3M™ Versaflo™ Ammonia/Methylamine/HE Cartridge
▶ TR-6510N - Magenta/Black	▶ 3M™ Versaflo™ Organic Vapor/HE Cartridge
▶ TR-6530N - Magenta/Yellow	▶ 3M™ Versaflo™ Organic Vapor/Acid Gas/HE Cartridge
▶ TR-6710N - Magenta	▶ 3M™ Versaflo™ High Efficiency Filter
▶ TR-6820N - Magenta/Green	▶ 3M™ Versaflo™ HE/HF/Nuisance OV Filter

Particulate Only (TR-300 filters and batteries)



- ▶ **TR-3712N Versaflo™ (HE) Particulate Filter**
- ▶ • **TR-3712N-5**
3M™ Versaflo™ (HE) particulate filter
- Case of 5
- ▶ • **TR-3712N-40**
3M™ Versaflo™ (HE) particulate filter
- Case of 40



- ▶ **TR-330 Economy Battery**
- ▶ Don't get weighed down. A lightweight lithium ion battery pack designed for the 3M™ Versaflo™ TR-300 PAPR.
- ▶ • Easy determination of charge level
- ▶ • Fast charging speeds up availability
- ▶ • Compact and lightweight
- ▶ • Run time (4 to 6 hours)



- ▶ **TR-332 High Capacity Battery**
- ▶ Find your endurance. A high-capacity lithium ion battery pack built for the 3M™ Versaflo™ TR-300 PAPR.
- ▶ • Easy determination of charge level
- ▶ • Fast charging speeds up availability
- ▶ • Compact and lightweight
- ▶ • Long run time (8 to 12 hours)

Heavy-duty protection in a lightweight design.

Refreshing airflow

Users can adjust the air deflector to control airflow distribution, helping make harsh conditions feel more comfortable.

See more, clearly

Our visor design combines excellent peripheral and downward vision with good optical clarity. The coated visor option provides chemical and scratch resistance in certain environments.

Designed for comfort

The headgear is lightweight and features a four-point textile strap suspension (six-point straps for M-300 and M-400 series) for comfort and weight distribution.

Easily adjusted

Featuring an articulating ratchet suspension, M-Series products can be easily adjusted for the comfort of the individual user. The ratchet mechanism allows for tightening control.

Easy maintenance

Easily removable parts allow simple cleaning, maintenance and replacement.

Utility and versatility

3M™ Versaflo™ M-Series headgear can be customized for use across many different applications and industries. Build your own system: Add faceseals, covers and shrouds in a variety of fabrics and accessories, such as earmuffs, peel-offs and a chin strap.



[Download Now](#)
See our M-Series Brochure

M-Series Faceshields, Hard Hats and Helmets

M-200 Series



- Recommended for most powder handling, paint spraying, grinding, buffing and general maintenance applications where head impact protection is not required
- Lightweight for maximum comfort
- Available with a variety of faceseal fabrics
- Helps provide respiratory (OSHA APF 25) protection, plus limited eye (ANSI Z87.1-2010) protection
- Also available: M-100 models with removable headtop inserts

M-300 Series



- Recommended for most powder handling, paint spraying and general maintenance applications where hard hat protection is required or desired
- Helps provide respiratory (OSHA APF 25) protection, plus limited head (ANSI Z89.1-2009 Type 1 Class G) and eye (ANSI Z87.1-2010) protection
- Available with a variety of faceseal fabrics

M-400 Series



- Recommended for most powder handling, paint spraying and general maintenance when hard hat protection is required or desired
- Helps provide respiratory (OSHA APF 1,000)** protection, plus limited head (ANSI Z89.1-2009 Type 1 Class G) and eye (ANSI Z87.1-2010) protection
- Variety of shroud materials available

**3M™ supports an assigned protection factor of 1000 for the M-400 Series Helmet when used with all approved air sources. These APFs are consistent with OSHA's APFs defined in 29 CFR 1910.134. Contact 3M Technical Service for supporting data. In Canada, follow CSA Z94.4 or the requirements of the authority having jurisdiction in your area.

For list of headgear, please reference product list in back.

Hard work. Soft headcovers.

An expansion of comfort

Designed to fit a wide variety of head sizes, the S-Series suspensions comfortably fit more wearers than previous models did.

Expand your view

S-Series visors have an excellent field of view.

Configure as you wish

For the work you do, versatility is key – and S-Series hoods can be used in dozens of different powered air purifying respirator and supplied air respirator combinations.

Full-shift comfort

Excellent airflow distribution helps improve comfort – perfect for long periods of work.

The choice is yours

For applications where assembly is too time-consuming or impractical, choose our ready-to-use integrated suspension models. For quick, cost-effective replacement of outer fabrics, select our premium reusable suspension hoods.

Work with confidence

Feel safe knowing that the high-performing S-Series hoods have an Assigned Protection Factor (APF) of 1000 when used as part of a NIOSH-approved powered or supplied air respiratory system.



S-Series Hoods and Headcovers



- Suitable for applications where frequent replacement of the head gear assembly is required, such as pharmaceutical manufacturing, healthcare and paint spray
- Integrated suspension
- Available in two sizes to fit more wearers: S/M and M/L

- Premium reusable suspension hoods can be a cost-effective choice for some high disposal rate environments – just the soiled hood fabric is replaced, while the suspension and air ducting can be reused
- The inner shroud is tucked into a shirt or protective coverall, allowing the excess air to be channeled over the body
- **The S-855 and S-857** are made with Kappler® Zytron® 200, a polypropylene fabric with a multi-layer barrier film. Features sealed seams, making it suitable for environments where certain liquid splash hazards may be present

For list of headgear, please reference product list in back.

Weld with confidence.

To see full-line of Speedglas products, download catalog or go to: 3m.com/weldingsafety

[Download Now](#) 

For headtops on this page: Auto-darkening filters sold separately.

▶ 3M™ Speedglas™ Welding Helmet

9100 MP 27-0099-35SW

Head, eye, face, hearing and respiratory – we've seamlessly integrated welder protection into one comfortable and easy-to-use system. It's an ideal combination designed to ignite your confidence and productivity all shift long. APF 25.



Compatible, versatile protection

Works with 3M Speedglas Welding Filter Series 9100, including the top-of-the-line 9100 XXi ADF Filter.

Expand your view

Two-shade 5 passive side windows add peripheral welding vision.

See more when welding

Large (approx. 8" x 4.25") curved protective visor has excellent views up, down and peripherally.

▶ 3M™ Speedglas™ Welding Helmet

9100 FX Air 26-0099-35SW

The Speedglas Welding Helmet 9100 FX-Air combines respiratory protection and excellent vision in a flip-up model. Versatile protection and long-lasting comfort. This helmet readily connects both to powered and supplied air respirator systems. APF 25.



Can take the heat

Spark- and spatter-retardant head cover.

Comfortable all shift long

High-comfort Speedglas headband 9100.

Control your visibility

Superior optical performance with flip-up view.

A complete system for unsurpassed comfort.

When using with a BT-Series Breathing Tube and TR-300 or TR-600, the L-170 adapter is required. If using with the TR-300 or TR-600, L170 adapter required.

▶ 3M™ L-Series Headgear**

Welders and grinders know how challenging it can be to stay comfortable and productive working in exhausting, contaminant environments. L-Series headgear provides rigid head protection and the comfort of continuous airflow.

L-Series Headgear

APF 25 (L-705SG) or APF 1,000[†] (L-901SG/L-905SG)
Respiratory Protection, Head Protection, Eye/Face Protection

▶ **L-705SG** Hard Hat[†] with Speedglas™ Welding Shield and Wideview Faceshield

▶ **L-905SG** Helmet[†] with Speedglas™ Welding Shield, Wideview Faceshield and Shroud

▶ **L-901SG** Helmet[†] with Wideview Faceshield and Shroud



Expand your sight

Allows for excellent peripheral and downward vision.

Breathe easier

Positive pressure airflow gives no breathing resistance.

Feel covered

Attached shroud provides complete coverage for head and neck area.

Hard hat inside a soft hood.

▶ H-Series Hoods

The H-Series hoods are an integrated solution, combining the protection of a hard hat and hood to meet your specific needs.

Order a complete hood:

- ▶ **H-412** Hood w/Inner Collar and Hard Hat
- ▶ **H-422** Hood w/Inner Shroud and Hard Hat
- ▶ **H-612** Sealed Seam Hood w/Inner Collar and Hard Hat

When using with a BT-Series Breathing Tube and TR-300 or TR-600, the H-120 adapter ▶ is required.

If using with the V-Series Supplied Air Valves, Breathing Tube GVP-122 is required. ▲



More for U to see

U-shaped faceshield delivers excellent peripheral and downward vision

Choose your comfort level

Choice of collar or inner shroud design, which can be tucked into protective garments to help provide additional comfort.

Choose the appropriate breathing tube.

Breathing tubes connect the air source to the headtop, enabling clean, unrestricted air flows reliably to the user. 3M Versaflo BT-Series Breathing Tubes are compatible with M-Series faceshields, hard hats and helmets and S-Series hoods and headcovers. With a Quick Release Swivel (QRS) for fast, easy connection and a flame-resistant sleeve for extended durability, each tube is a model of innovation, flexibility and convenience.

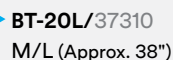
▶ 3M™ Versaflo™ BT-Series Breathing Tubes



▶ **BT-20S/37309**
S/M (Approx. 28")



▶ **BT-30** Length Adjusting



▶ **BT-20L/37310**
M/L (Approx. 38")



▶ **BT-40** Heavy Duty

Watch Now ▶

Watch Now ▶

▶ **Adapter V-199/37069**

3M™ Versaflo™ V-Series Supplied Air Valves

V-199 Adapter sold separately for use with BT Series Breathing Tubes

Watch Now ▶



V-100/37018
Vortex Cooling Assembly



V-200
Vortemp™ Heating Assembly



V-300/37019
Valve Assembly



V-400/37020
Low-Pressure Assembly



▶ 25 ft. **W-9435-25/07010**
▶ 50 ft. **W-9435-50/07011**
▶ 100 ft. **W-9435-100/07012**
▶ 25 ft. **W-9445-25**
▶ 50 ft. **W-9445-50**
▶ 100 ft. **W-9445-100**
3/8" High-Pressure Hose



▶ 25 ft. **W-2929-25**
▶ 50 ft. **W-2929-50**
▶ 100 ft. **W-2929-100**
▶ 25 ft. **W-2929-25SR**
▶ 50 ft. **W-2929-50SR**
▶ 100 ft. **W-2929-100SR**
3/8" High-Pressure Hose



▶ 25 ft. **W-3020-25/07033**
▶ 50 ft. **W-3020-50/07034**
▶ 100 ft. **W-3020-100/07035**
1/2" Low-Pressure Hose

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

3M™ Versaflo™ Components



Kit Product Numbers	Description	SKU (3M ID)	UPC #
TR-300-ECK	3M™ Versaflo™ Easy Clean PAPR Kit	70071563723	00051131173774
TR-300-HIK	3M™ Versaflo™ Heavy Industry PAPR Kit	70071563731	00051131173781
TR-300-HKS	3M™ Versaflo™ Healthcare PAPR Kit TR-300-HKS, S/M	70071565496	00051131496354
TR-300-HKL	3M™ Versaflo™ Healthcare PAPR Kit TR-300-HKL, M/L	70071565504	00051131496361
TR-300-LIK	3M™ Versaflo™ Light Industry PAPR Kit	70071673787	00051141567419
TR-600-ECK	3M™ Versaflo™ Easy Clean PAPR Kit TR-600-ECK	70071618444	00051131373754
TR-600-HIK	3M™ Versaflo™ Heavy Industry PAPR Kit TR-600-HIK	70071618436	00051131373747
TR-600-HKS	3M™ Versaflo™ Healthcare PAPR Kit TR-600-HKS, S/M	70071675543	00051131274990
TR-600-HKL	3M™ Versaflo™ Healthcare PAPR Kit TR-600-HKL, M/L	70071675568	00051131275010
SA-100-PSK/37336	3M™ Versaflo™ Painter's Supplied Air Respirator Kit	70071562311	00051131373365
GVP-PSK2/37335	3M™ Belt-Mounted PAPR Painter's Kit	70071562303	00051131373358



Assembly Product Numbers	Description	SKU (3M ID)	UPC #
TR-304N	3M™ Versaflo™ PAPR Assembly with Easy Clean Belt and Economy Battery	70071622180	00051141558745
TR-305N	3M™ Versaflo™ PAPR Assembly with Standard Belt and Economy Battery	70071563509	00051131173552
TR-306N	3M™ Versaflo™ PAPR Assembly with High Durability Belt and High Capacity Battery	70071563517	00051131173569
TR-307N	3M™ Versaflo™ PAPR Assembly with Easy Clean Belt and High Capacity Battery	70071563525	00051131173576
TR-613N	3M™ Versaflo™ PAPR Assembly with Standard Battery, BT-30 Breathing Tube and High Durability Belt	70071618097	00051131373396
TR-614N	3M™ Versaflo™ Healthcare PAPR Assembly with Standard Battery, BT-30 Breathing Tube and Easy Clean Belt	70071618105	00051131373402
TR-614-HK	3M™ Versaflo™ Healthcare PAPR Assembly with Standard Battery, BT-30 Breathing Tube and Easy Clean Belt	70071675576	00051131275027
TR-616N	3M™ Versaflo™ PAPR Assembly with High Capacity Battery, BT-30 Breathing Tube and High Durability Belt	70071618113	00051131373419
TR-617N	3M™ Versaflo™ PAPR Assembly with High Capacity Battery, BT-30 Breathing Tube and Easy Clean Belt	70071618121	00051131373426



Headgear Product Numbers	Description	SKU (3M ID)	UPC #
M-101	3M™ Versaflo™ Respiratory Faceshield M-101 without Visor and Faceseal	70071544913	00051131173118
M-105/37314	3M™ Versaflo™ Respiratory Faceshield Assembly with Standard Visor and Faceseal	70071544921	00051131373143
M-107	3M™ Versaflo™ Respiratory Faceshield Assembly with Premium Visor and Faceseal	70071544939	00051131173125
M-206/37299	3M™ Versaflo™ Respiratory Faceshield Assembly with Comfort Faceseal	70071673761	00051131372993
M-207	3M™ Versaflo™ Respiratory Faceshield Assembly with Flame Resistant Faceseal	70071673779	00051141567402
M-301	3M™ Versaflo™ Respiratory Hard Hat without Visor or Faceseal	70071544988	00051131173156
M-305	3M™ Versaflo™ Respiratory Hard Hat Assembly with Standard Visor and Faceseal	70071544996	00051131173163
M-307	3M™ Versaflo™ Respiratory Hard Hat Assembly with Premium Visor and Faceseal	70071562006	00051131173170
M-401	3M™ Versaflo™ Respiratory Helmet without Visor and Shroud	70071562048	00051131173217
M-405	3M™ Versaflo™ Respiratory Helmet Assembly with Standard Visor and Shroud	70071562055	00051131173224
M-407	3M™ Versaflo™ Respiratory Helmet Assembly with Premium Visor and Flame Resistant Shroud	70071562063	00051131173231
M-985/37333	3M™ PELTOR™ Earmuff Assembly	70071562287	00051131373334
H-412/07044	3M™ Hood Assembly with Collar and Hard Hat	70070798122	00051131070448
H-422	3M™ Hood Assembly with Inner Shroud and Hard Hat	70070798155	00051138661007
H-612	3M™ Sealed-Seam Hood Assembly with Collar and Hard Hat	70070845840	00051138765521
L-705SG	3M™ Hard Hat with Welding Shield and Wideview Faceshield	70071534351	00051131172302
L-905SG	3M™ Helmet with Welding Shield and Wideview Faceshield	70071534369	00051131172319
L-901SG	3M™ Helmet with Wideview Faceshield	70071516572	00051135894538
25-0099-35SW	3M™ Speedglas™ Welding Helmet 9100-Air with Side Windows and Extended Headcover (No Auto-Darkening Filter)	70071607660	00051131498334
26-0099-35SW/ 37266(AAD)	3M™ Speedglas™ Welding Helmet 9100 FX-Air with Side Windows and Extended Headcover, 1 EA/Case (No Auto-Darkening Filter)	70071668779	00051141564043
27-0099-35SW	3M™ Speedglas™ Welding Helmet 9100MP with Hard Hat and Side Windows (No Auto-Darkening Filter)	70071621562	00051141558103
S-103L-20	3M™ Versaflo™ Economy Headcover, M/L	70071534443	00051131172487
S-103S-20	3M™ Versaflo™ Economy Headcover, S/M	70071534450	00051131172494
S-133L-5	3M™ Versaflo™ Headcover with Integrated Head Suspension, White, M/L	70071533056	00051131170711
S-133S-5	3M™ Versaflo™ Headcover with Integrated Head Suspension, White, S/M	70071533098	00051131170759
S-403L-20	3M™ Versaflo™ Economy Hood, S-403L-20, M/L	70071534468	00051131172500



3M Automotive Aftermarket Division (AAD) product numbers are found in [blue type](#) on selected products.

3M™ Versafo™ Components

Headgear Product Numbers	Description	SKU (3M ID)	UPC #
S-403S-20	3M™ Versafo™ Economy Hood, S-403S-20, S/M	70071534476	00051131172517
S-433L-5	3M™ Versafo™ Hood with Integrated Head Suspension, M/L	70071533171	00051131170834
S-433S-5	3M™ Versafo™ Hood with Integrated Head Suspension, S/M	70071533197	00051131170858
S-533L	3M™ Versafo™ High Durability Hood with Integrated Head Suspension, M/L	70071533213	00051131170872
S-533S	3M™ Versafo™ High Durability Hood with Integrated Head Suspension, S/M	70071533239	00051131170896
S-605-10	3M™ Versafo™ Replacement Hood with Inner Collar for Premium Head Suspension	70071533254	00051131170919
S-607-10	3M™ Versafo™ Replacement Hood with Inner Shroud for Premium Head Suspension	70071533262	00051131170926
S-655	3M™ Versafo™ Hood Assembly with Inner Collar and Premium Head Suspension	70071533270	00051131170933
S-657	3M™ Versafo™ Hood Assembly with Inner Shroud and Premium Head Suspension	70071533288	00051131170940
S-707-10	3M™ Versafo™ Replacement Painter's Hood with Inner Shroud for Premium Head Suspension	70071533296	00051131373006
S-757	3M™ Versafo™ Painter's Hood Assembly with Inner Shroud and Premium Head Suspension	70071533304	00051131373013
S-805-5	3M™ Replacement Hood with Sealed Seams and Inner Collar for Use with Premium Head Suspension	70071533312	00051131170957
S-807-5	3M™ Replacement Hood with Sealed Seams and Inner Shroud for Use with Premium Head Suspension	70071533320	00051131170964
S-855	3M™ Hood Assembly with Sealed Seams Inner Collar and Premium Head Suspension	70071533338	00051131170971
S-857	3M™ Hood Assembly with Sealed Seams Inner Shroud and Premium Head Suspension	70071533346	00051131170988

Filters/Cartridges Product Numbers	Description	SKU (3M ID)	UPC #
TR-3712N-5	3M™ HE Filter	70002008590	50051141563133
TR-3712N-40	3M™ HE Filter	70002008558	50051138189575
TR-6710N-5/ 37357	3M™ Versafo™ High Efficiency Filter	70071618279	50051131373575
TR-6710N-40/ 37358	3M™ Versafo™ High Efficiency Filter	70071618287	50051131373582
TR-6820N/ 37360	3M™ Versafo™ HE/HF and Nuisance OV Filter	70071618295	50051131373605
TR-6510N/ 37361	3M™ Versafo™ Organic Vapor/HEPA Cartridge	70071618303	50051131373612
TR-6530N	3M™ Versafo™ Organic Vapor/Acid Gas/HEPA Cartridge	70071618311	50051131373629
TR-6320N	3M™ Versafo™ Acid Gas/HEPA Cartridge	70071618329	50051131373636
TR-6360N	3M™ Versafo™ Ammonia/Methylamine/HEPA Cartridge	70071618337	50051131373643
TR-6350N	3M™ Versafo™ Formaldehyde/HEPA Cartridge	70071618345	50051131373650

Filter/Cover Product Numbers	Description	SKU (3M ID)	UPC #
TR-371	3M™ Versafo™ Filter Cover for TR-300 Series Filters	XA007710149	00051141567303
TR-6300FC/ 37380	3M™ Versafo™ Filter Cover for TR-6300 Series Cartridges	70071622065	00051131373808
TR-6500FC	3M™ Versafo™ Filter Cover for TR-6500 Series Cartridges	70071622073	00051131373815
TR-6700FC/ 37356	3M™ Versafo™ Filter Cover for TR-6700 Series Cartridges	70071618261	00051131373563
TR-6800FC/ 37378	3M™ Versafo™ Filter Cover for TR-6800 Series Cartridges	70071622040	00051131373785

Breathing Tubes and Adapters Product Numbers	Description	SKU (3M ID)	UPC #
BT-20S	3M™ Versafo™ Breathing Tube	70071533023	00051131373099
BT-20L	3M™ Versafo™ Breathing Tube	70071533015	00051131373105
BT-30	3M™ Versafo™ Length Adjusting Breathing Tube	70071563749	00051131173798
BT-40	3M™ Versafo™ Heavy Duty Breathing Tube	70071563756	00051131173804
L-122/ 37012	3M™ Breathing Tube	70070798601	00051131370128
V-199/ 37069	3M™ Adapter, 4/case	70071042512	00051131370692
H-120	3M™ Adapter, 4/case	70071563772	00051131173828
L-170	3M™ Adapter, 4/case	70071563764	00051131173811

Battery Part Product Numbers	Description	SKU (3M ID)	UPC #
TR-330	3M™ Versafo™ Economy Battery	70071563582	00051131173637
TR-332	3M™ Versafo™ High Capacity Battery	70071563590	00051131173644
TR-630/ 37347	3M™ Versafo™ Standard Battery	70071618170	00051131373471
TR-632/ 37348	3M™ Versafo™ High Capacity Battery	70071618188	00051131373488

3M Automotive Aftermarket Division (AAD) product numbers are found in [blue type](#) on selected products.

3M™ Versaflo™ Components



Battery Charger Part Numbers	Description	SKU (3M ID)	UPC #
TR-340	3M™ Versaflo™ Battery Charger Cradle	70071563608	00051131173651
TR-341N	3M™ Versaflo™ Single Station Battery Charger Kit	70071563616	00051131173668
TR-344N	3M™ Versaflo™ 4-Station Battery Charger Kit	70071563624	00051131173675
TR-641N/37350	3M™ Versaflo™ Single Station Battery Charger Kit	70071618204	00051131373501
TR-644N/37351	3M™ Versaflo™ 4-Station Battery Charger Kit	70071618212	00051131373518
TR-944N	3M™ 4-Station Power Supply for Versaflo™ TR-300 and TR-600 PAPR	70071563707	00051131173750



Belt Part Numbers	Description	SKU (3M ID)	UPC #
TR-325	3M™ Versaflo™ Standard Belt	70071563541	00051131173590
TR-326	3M™ Versaflo™ High Durability Belt	70071563558	00051131173606
TR-327	3M™ Versaflo™ Easy Clean Belt	70071563566	00051131173613
TR-626	3M™ Versaflo™ High Durability Belt	70071618139	00051131373433
TR-627/37345	3M™ Versaflo™ Easy Clean Belt	70071618154	00051131373457



Belt Extender Part Numbers	Description	SKU (3M ID)	UPC #
TR-626X	3M™ Versaflo™ High Durability Belt Extender	70071618147	00051131373440
TR-627X	3M™ Versaflo™ Easy Clean Belt Extender	70071618162	00051131373464



Accessory Part Numbers	Description	SKU (3M ID)	UPC #
TR-6600/37354	3M™ Versaflo™ Prefilter	70071618246	50051131373544
TR-662	3M™ Versaflo™ Spark Arrestor	70071618253	00051131373556
BPK-01	3M™ Versaflo™ Backpack	70071563533	00051131173583
TR-653/37373	3M™ Versaflo™ Cleaning & Storage Kit	70071618428	00051131373730
TR-655/37385	3M™ Versaflo™ Backpack Adapter	70071651692	00051131373853
TR-3600	3M™ Prefilter TR-3600, for Versaflo™ TR-300 PAPR	70071563640	50051131173694
TR-329	3M™ Versaflo™ Suspenders	70071563574	00051131173620
TR-362	3M™ Spark Arrestor TR-362, for Versaflo™ TR-300 PAPR	70071563657	00051131173705

3M Automotive Aftermarket Division (AAD) product numbers are found in [blue type](#) on selected products.

For more information

In U.S.

Technical Service 1-800-243-4630

Customer Care Center 1-800-328-1667

Internet 3M.com/Workersafety
3M.com/Versaflo

In Canada

Technical Service 1-800-267-4414

Customer Care 1-800-364-3577

Internet 3M.ca/safety

* Consult 3M Technical Data Bulletin #175 and the M-Series User Instructions for additional information on the Assigned Protection Factor (APF) of 1,000.

In Canada, follow CSA Z94.4 or the requirements of the authority having jurisdiction in your region.

** Future configuration with TR-600 models.

† ANSI Z89.1-2009 Type II Class G. CAN/CSA Z94.1-05 Class G protective helmets.

†† For TR-300 Models – operating altitude approx. sea level to 2,600 ft. (800m). For altitudes above 2,600 ft., contact 3M. For TR-600 Models – operating altitude approx. -328 to 16,404 ft. (-100 to 5,000m). For altitudes outside this range, contact 3M.

‡ L-705SG, L-901SG and L-905SG assemblies meet the requirements of ANSI Z89.1-2009 Type II, Class G protective helmets. L-901SG and L-905SG assemblies also meet the requirements of CAN/CSA Z94.1-05 for Class G protective helmets. Note the L-140 chin strap must be used for ANSI Z89.1-2009 Type II (protection from side impacts). Consult User Instructions before use.



⚠ WARNING

These respirators help protect against certain airborne contaminants. Before use, the wearer must read and understand the User Instructions provided as a part of the product packaging. A written respiratory protection program must be implemented meeting all the requirements of OSHA 1910.134, including training, fit testing and medical evaluation. In Canada, CSA standards Z94.4 requirements must be met and/or requirements of the applicable jurisdiction, as appropriate. Misuse may result in sickness or death. For correct use, consult supervisor and User Instructions, or call 3M PSD Technical Service in USA at 1-800-243-4630 and in Canada at 1-800-267-4414.



3M General Offices

3M Center, Building 235-2W-70

St. Paul, MN 55144-1000

3M.com

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