

3M Occupational Health & Environmental Safety Division
3M™ S-Series Hoods and Headcovers for Powered and Supplied Air Respirators



Work in a World of Comfort

Introducing 3M™ S-Series Hoods and Headcovers for 3M™ Powered and Supplied Air Respirators

These lightweight, loose-fitting hoods and headcovers are designed for professional users that need both comfort and protection. They provide excellent airflow distribution, improved visibility, and quick breathing tube connection. Developed from a computer model of worldwide head sizes—and combined with new sizing and adjustment options—the S-Series hoods and headcovers can be comfortably worn by workers all over the world.





3M™ S-Series Hoods and Headcovers — Advantages



Many wearers of half and full facepiece negative pressure respirators are taking a second look at powered and supplied air respirators for reasons that go beyond compliance.

All-Day Comfort

New 3M™ S-Series Hoods and Headcovers have been designed to provide users with the optimal level of comfort. New easily adjustable suspensions and soft comfort pads help provide excellent fit, stability and tracking. Integrated suspension hoods and headcovers feature wide face seals with soft elastic for improved comfort and reduced air flow noise. The premium reusable suspension allows wearers to modify the airflow distribution inside the hood to suit personal comfort needs. All of these improvements combine to help workers stay more comfortable throughout the day.

Easier To Breathe

With powered and supplied air respirators, flowing air is provided to the wearer, reducing the breathing effort required as compared to a respirator without powered or supplied air. This increases wearer comfort at all times but is especially important during periods of strenuous labor.

Excellent Airflow

S-Series hoods and headcovers direct a comfortable stream of air into the headgear. The moving airflow may make hot environments more tolerable while reducing visor fogging.

When used with an approved 3M™ Supplied Air Regulator, the compressed air can be made cooler or warmer by up to 50°F (28°C) for additional comfort.

High Performance—APF

3M has conducted research to document an Assigned Protection Factor (APF) of 1000 for the S-Series hoods when used as part of a NIOSH-approved powered or supplied air respirator system. An APF of 1000 is the highest level allowed under the Occupational Safety and Health Administration (OSHA) Respiratory Protection Standard (29 CFR 1910.134) for this class of respirator. S-Series headcovers have an APF of 25, making them suitable for a wide range of applications and working environments.

Fast Assembly

All S-Series compatible breathing tubes feature the innovative 3M™ Quick Release Swivel (QRS) connection. Simply push the QRS end of the breathing tube into the air inlet of the headgear until it snaps into place. The breathing tube can be quickly removed with only one hand by squeezing the breathing tube clips.

Simple Maintenance

Choose the ready-to-use integrated suspension models for applications where assembly would be too time-consuming or impractical. Or select the premium reusable suspension hoods for quick, highly cost-effective replacement of outer fabrics.

ALL-NEW BENEFITS

Comfortably Worn By More Users

Based on a computer modeling of a worldwide sampling of head sizes, the new S-Series suspensions, through their sizing and adjustment options, will comfortably fit more wearers than previous models.

Improved Visibility

S-Series visors have an excellent field of view with reduced curvature for decreased reflections and glare. Their new design, plus their protective shipping cartons, minimize the potential for visor creasing and visual distortion.

Sleek New Shape

The new design of the hoods and headcovers more closely profiles the wearer's head for a more streamlined appearance as compared to other designs that tend to "peak."

Excellent Airflow

S-Series wearers benefit from excellent airflow distribution for improved comfort and lower noise.





Integrated Suspension Hoods and Headcovers

Integrated suspension models offer the advantage of being fully assembled and ready to use straight out of the box. They can be suitable for applications that require frequent replacement of the entire headgear assembly, such as pharmaceutical manufacturing, or in situations where there is less soiling of the outer fabric. The integrated suspension models also feature a wide faceseal with soft elastic for improved comfort and reduced noise. The new airflow distribution minimizes the potential for air whistling past the

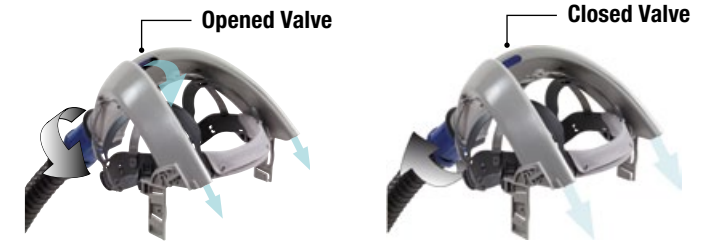
wearer's ears, allowing for better worker communication and improved comfort. A new exhalation panel vents the headtop without the traditional vent hole pattern or exhalation valve. Integrated suspension headgear is available in two adjustable sizes to comfortably fit more wearers: S/M and M/L. For disposal, the suspension assembly and air inlet components can be quickly removed and separated for segregated waste streams where facilities are available.

Premium Reusable Suspension Hoods

Premium reusable suspension hoods can be a very 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 new design permits significantly faster user assembly of the entire headtop.

The suspension has independent adjustments for the crown and head circumference, allowing a comfortable, custom fit for a wide range of head sizes. An optional size-reducing comfort pad is provided to further extend the range of compatible head sizes.

The suspension's new rigid ducting provides a consistent air path. An externally-adjustable airflow control allows wearers to modify the airflow distribution to suit personal comfort needs. While wearing, the airflow may be directed primarily to the front visor or split to provide more airflow to the top of the head.



The external cover lets wearers control the location of the airflow.



3M™ Headcover S-133
Head and face coverage. General purpose, cost-effective fabric.



3M™ Headcover S-133B
Head and face coverage. General purpose, blue Tychem™ QC fabric.



3M™ Headcover S-333
Similar to S-133 but with a more durable, soft, quiet, low-linting fabric.



3M™ Hood S-433
Head, face, neck and shoulder coverage. General purpose, cost-effective fabric.



3M™ Hood S-533
Similar to S-433 but with a more durable, soft, quiet, low-linting fabric that more readily drapes comfortably over the wearer.



3M™ Hood Assembly S-655
Head, face, neck and shoulder coverage. Its respiratory seal is a comfortable, knitted inner collar that is shorter and thinner than previous models. General purpose, cost-effective fabric.



3M™ Hood Assembly S-657
Similar to S-655. The S-657 uses a double shroud design for its respiratory seal; wearers can select between seal designs based on their personal preference. The users wear the S-657 by tucking its inner shroud into a shirt or protective coverall, which allows excess air to be channeled over the body, providing additional comfort.



3M™ Hood Assembly S-757 / 37301
Similar to S-657 but with a fabric specifically intended to help capture paint overspray, minimizing the potential for paint to flake off the wearer and onto the work piece. The fabric also has an internal film barrier to help prevent paint contact with skin or clothes.



3M™ Hood Assembly S-855
Similar to the S-655 but made with Kappler™ Zytron™ 200, a polypropylene fabric with a multi-layer barrier film. The S-855 Hood Assembly also features sealed seams, making it suitable for environments where liquid splash hazards are present. Features a comfortable, knitted inner collar.



3M™ Hood Assembly S-857
Similar to the S-657 but made with Kappler™ Zytron™ 200 and sealed seams. Features a double shroud design for its respiratory seal. Both the S-855 and S-857 hood assemblies include ties to help keep the shroud in place.



New Breathing Tubes

All S-Series compatible breathing tubes feature the innovative 3M™ Quick Release Swivel (QRS) connection. The QRS connects quickly to the headgear and swivels to minimize loops and kinks in the breathing tube. The new 3M™ BT-20 Breathing Tubes feature steel core coils for durability. To improve their comfort and reduce the potential to catch on the wearer's surroundings, the BT-20 tubes are offered in two lengths: S/M and M/L.

Part # and Description:

BT-20S
3M™ Breathing Tube, small/medium, approx. 28"
For use with GVP and V-Series systems.



BT-20L
3M™ Breathing Tube, medium/large, approx. 38"
For use with GVP and V-Series systems.



BE-324
3M™ Breathing Tube, approx. 36"
For use with Breathe Easy™ systems.



W-5115
3M™ Breathing Tube, approx. 38"
For use with W-Series systems.



EASY TRANSITIONS

If you are currently a 3M™ Powered and Supplied Air user looking to transition to the S-Series, use the following table to understand the headgear options available to you. Once you

have selected the S-Series product that is right for you, use the information on page 7 to find the breathing tube solution that will complete your system.

Current Product	S-Series Products
BE-12 Headcover, White, Regular*	S-133S Headcover, White, Small/Medium S-333S High Durability Headcover, Small/Medium
BE-12L Headcover, White, Large*	S-133L Headcover, White, Medium/Large S-333L High Durability Headcover, Medium/Large
BE-12B Headcover, Blue, Regular*	S-133SB Headcover, Blue, Small/Medium
BE-12LB Headcover, Blue, Large*	S-133LB Headcover, Blue, Medium/Large
BE-10 Hood, White, Regular*	S-433S Hood, White, Small/Medium S-533S High Durability Hood, Small/Medium
BE-10L Hood, White, Large*	S-433L Hood, White, Medium/Large S-533L High Durability Hood, Medium/Large
H-410 Hood, with Collar	S-605 Replacement Hood with Inner Collar
H-411 Hood Assembly, with Collar and Cap Suspension	S-655 Hood Assembly with Collar and Premium Head Suspension
H-420 Hood, with Inner Shroud	S-607 Replacement Hood with Inner Shroud S-707 Replacement Painter's Hood with Inner Shroud
H-421 Hood Assembly, with Inner Shroud and Cap Suspension	S-657 Hood Assembly with Inner Shroud and Premium Head Suspension S-757 Painter's Hood Assembly with Inner Shroud and Premium Head Suspension
H-610 Sealed Seam Hood with Collar	S-805 Replacement Hood with Sealed Seams and Inner Collar S-807 Replacement Hood with Sealed Seams and Inner Shroud
H-611 Sealed Seam Hood Assembly with Collar and Cap Suspension	S-855 Hood Assembly with Sealed Seams Inner Collar and Premium Head Suspension S-857 Hood Assembly with Sealed Seams Inner Shroud and Premium Head Suspension

*S-Series products are not available for use with the 3M™ Air-Mate™ PAPR. Due to sizing differences between the BE-Series and the S-Series, some BE-10/12 (regular size) wearers will want to consider the M/L versions of the S-Series products.

Solutions for Many Applications

3M™ S-Series Hoods and Headcovers are designed for versatility. S-Series products can be effectively used in a wide variety of industries and applications.

Use the S-Series selection guide below to find the S-Series product that best meets your needs.

Headgear	OSHA Assigned Protection Factor ¹
S-133 Headcover	25
S-133B Headcover	
S-333 Headcover	
S-433 Hood	1000 ²
S-533 Hood	
S-655 Hood Assembly with Inner Collar and Premium Head Suspension	1000 ²
S-657 Hood Assembly with Inner Shroud and Premium Head Suspension	
S-757 Painter's Hood Assembly with Inner Shroud and Premium Head Suspension	
S-855 Hood Assembly with Sealed Seams Inner Collar and Premium Head Suspension	
S-857 Hood Assembly with Sealed Seams Inner Shroud and Premium Head Suspension	

¹In Canada, follow CSA Z94.4 or the requirements of the authority having jurisdiction in your region.

²3M supports an APF of 1000 for these hoods, which is consistent with the OSHA APFs defined in 29 CFR 1910.134. Contact 3M for supporting test procedures and data.

SELECTION GUIDE

Product #	Typical Industries / Applications							
	Medical and Health Care	Pharmaceutical	Agriculture	Food and Beverage	Pulp and Paper	General Maintenance	Chemical Industry	Transportation Manufacture
	Infection Control; Sterilization and Cleaning	Powder Handling, Mixing, Pulverizing and Shaping	Hay, Grain, Chemical and Livestock Handling; Chemical and Paint Spray	Powder Handling and Mixing	Pulping	Sanding, Cleaning, Stripping and Painting	Liquid Chemicals	Painting and Coating
S-133								
S-333								
S-433								
S-533								
S-655 (S-605)								
S-657 (S-607)								
S-757 (S-707)								
S-855 (S-805)								
S-857 (S-807)								

Primary Use	Secondary Use	Tertiary Use
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3M™ GVP and V-Series Combinations



3M™ Breathe Easy™ Combinations



NEW S-SERIES ADDITIONS

Integrated Suspension

Premium Suspension

Part #	Description
S-133S	White, S/M
S-133L	White, M/L
S-133SB	Blue, S/M
S-133LB	Blue, M/L
S-333S	High Durability, S/M
S-333L	High Durability, M/L

Part #	Description
S-433S	White, S/M
S-433L	White, M/L
S-533S	High Durability, S/M
S-533L	High Durability, M/L

Part #	Description
S-655	Hood assembly w/inner collar
S-657	Hood assembly w/inner shroud
S-757	Painter's hood assembly w/inner shroud
S-855	Sealed seam hood assembly w/inner collar
S-857	Sealed seam hood assembly w/inner shroud



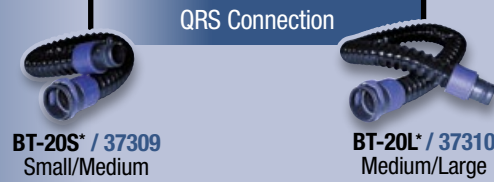
H-412 H-612



H-115 GVP-122

New Features:

- Rigid visor design
- Comfortably fits more users
- Easy adjustment



BT-20S* / 37309 Small/Medium BT-20L* / 37310 Medium/Large

V-199* Adapter 37069



*One V-199 Adapter is included with each BT-20 Breathing Tube

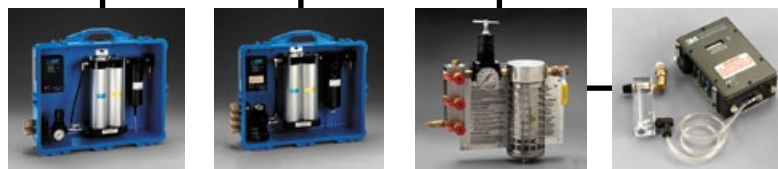
V-Series Supplied Air Valves**



V-100 / 37018 V-200 V-300 / 37019 V-400 / 37020



W-9435 25 ft. - 07010, 50 ft. - 07011 100 ft. - 07012 3/8" High Pressure Hose (25, 50 or 100 ft.) W-2929 3/8" High Pressure Hose W-3020 25 ft. - 07033, 50 ft. - 07034 100 ft. - 07035 1/2" Low Pressure Hose



256-02-00† (50 cfm) with CO Filtration and Monitor 256-02-01† (100 cfm) with CO Monitor W-2806 / 07006† (50 cfm) without CO Monitor W-2808 / 37027 CO Monitor Retrofit Kit

**The employer is required to ensure that the compressed air used with any supplied air system meets the requirements for Grade-D breathing air per the Compressed Gas Association Commodity Specification G-7.1-1997. In Canada, refer to CSA Standard Z180.1 for the quality of compressed breathing air.

†IMPORTANT: These filter and regulated panel products do not produce Grade-D breathing air.

GVP Powered Air Purifying Respirators

NiCd Battery



GVP-1 — Standard Belt
GVP-1U — Urethane Belt
GVP-CB — Comfort Belt

NiMH Battery



GVP-1NiMH — Standard Belt
GVP-1UNiMH — Urethane Belt
GVP-CBNiMH — Comfort Belt

Cartridges/Filters

Part #	Description
GVP-401	Organic Vapor (OV)
GVP-402	Chlorine/Hydrogen Chloride/Sulfur Dioxide/Chlorine Dioxide/Hydrogen Fluoride (AG)
GVP-403	Organic Vapor/Chlorine/Hydrogen Chloride/Sulfur Dioxide/Chlorine Dioxide/Hydrogen Fluoride/Hydrogen Sulfide (OV/AG)
GVP-404	Ammonia/Methylamine (AM/MA)
GVP-405	Formaldehyde (FM)
GVP-440	High Efficiency Particulate (HE)
GVP-441	Organic Vapor/HE (OV/HE)
GVP-442	Chlorine/Hydrogen Chloride/Sulfur Dioxide/Chlorine Dioxide/Hydrogen Fluoride/HE (AG/HE)
GVP-443	Organic Vapor/Chlorine/Hydrogen Chloride/Sulfur Dioxide/Chlorine Dioxide/Hydrogen Fluoride/Hydrogen Sulfide/HE (OV/AG/HE)
GVP-444	Ammonia/Methylamine/HE (AM/MA/HE)
GVP-445	Formaldehyde/HE (FM/HE)

NEW S-SERIES ADDITIONS

Integrated Suspension

Premium Suspension

Part #	Description
S-133S	White, S/M
S-133L	White, M/L
S-133SB	Blue, S/M
S-133LB	Blue, M/L
S-333S	High Durability, S/M
S-333L	High Durability, M/L

Part #	Description
S-433S	White, S/M
S-433L	White, M/L
S-533S	High Durability, S/M
S-533L	High Durability, M/L

Part #	Description
S-855	Sealed Seam Hood Assembly w/inner collar
S-857	Sealed Seam Hood Assembly w/inner shroud

New Features:

- Rigid visor design
- Comfortably fits more users
- Easy adjustment

QRS Connection



BE-324



BE-12 BE-12B BE-10



520-03-32R01 (approx. 33") 520-01-00R0 (approx. 36")
520-01-80R01 (approx. 25") 520-02-94R0 (approx. 25")

NiCd Battery



520-17-00

NiMH Battery



520-15-00



520-03-73 Single Battery Charger 520-03-72 Five Battery Charger 520-01-61 Ten Battery Charger

Cartridges/Filters

Part #	Description
456-00-01R06	Organic Vapor (OV)
456-03-01R06	Organic Vapor/Chlorine/Hydrogen Chloride/Sulfur Dioxide (OV/AG)
456-02-01R06	Chlorine/Hydrogen Chloride/Sulfur Dioxide/Formaldehyde (AG/FM)
456-01-01R06	Ammonia/Methylamine (AM/MA)
456-00-01R12	High Efficiency Particulate (HE)

Cartridges/Filters

Part #	Description
456-00-01R06	Organic Vapor (OV)
456-03-01R06	Organic Vapor/Chlorine/Hydrogen Chloride/Sulfur Dioxide (OV/AG)
456-02-01R06	Chlorine/Hydrogen Chloride/Sulfur Dioxide/Formaldehyde (AG/FM)
456-01-01R06	Ammonia/Methylamine (AM/MA)
456-00-01R12	High Efficiency Particulate (HE)
453-00-01R06	Organic Vapor/HE (OV/HE)
453-03-01R06	Organic Vapor/Chlorine/Hydrogen Chloride/Sulfur Dioxide /HE (OV/AG/HE)
453-07-01R06	Organic Vapor/Sulfur Dioxide/Hydrogen Fluoride/HE (OV/HF/AG/HE)
453-01-01R06	Chlorine/Hydrogen Chloride/Sulfur Dioxide/Formaldehyde/HE (AG/FM/HE)
453-02-01R06	Ammonia/Methylamine/HE (AM/MA/HE)
453-03-02R06	FR-57 (Approved with BE-10, S-433, S-533, S-855, S-857 ONLY)



NEW S-SERIES ADDITIONS

Premium Suspension

Part #	Description
S-655	Hood assembly w/inner collar
S-657	Hood assembly w/inner shroud
S-757	Painter's hood assembly w/inner shroud
S-855	Sealed seam hood assembly w/inner collar
S-857	Sealed seam hood assembly w/inner shroud



New Features: QRS Connection

- User-adjustable airflow
- Rigid visor design
- Comfortably fits more users
- Easy adjustment



W-5115 / 37313

Important Notice:

3M intends to discontinue all W-Series Air Regulating Valves. 3M will continue to support current W-Series users but encourages new Supplied Air users to purchase V-Series Air Regulating Valves. Current users can contact 3M for additional information.



H-412

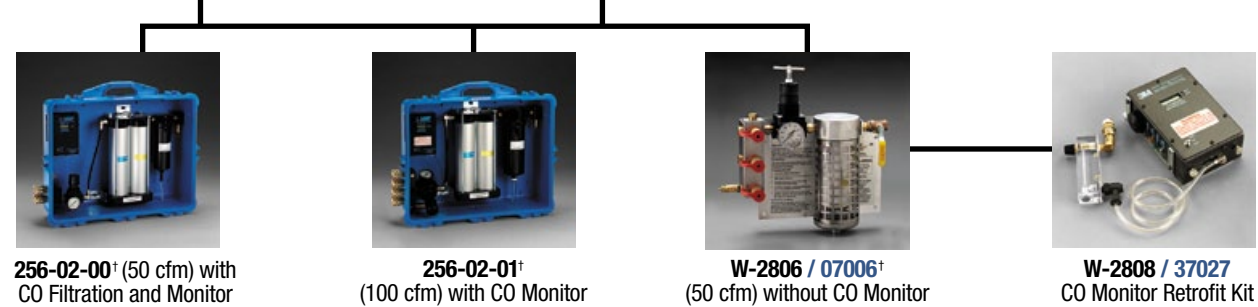
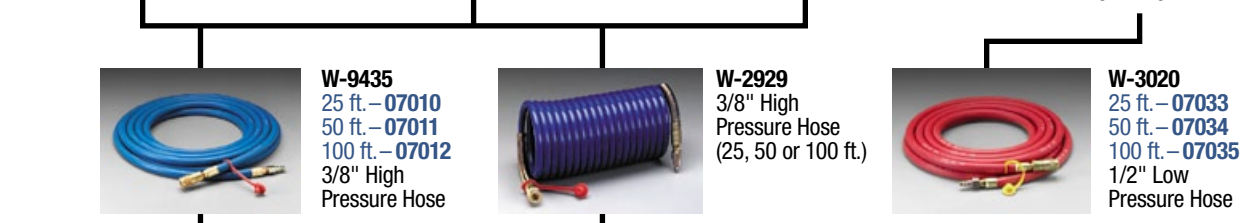
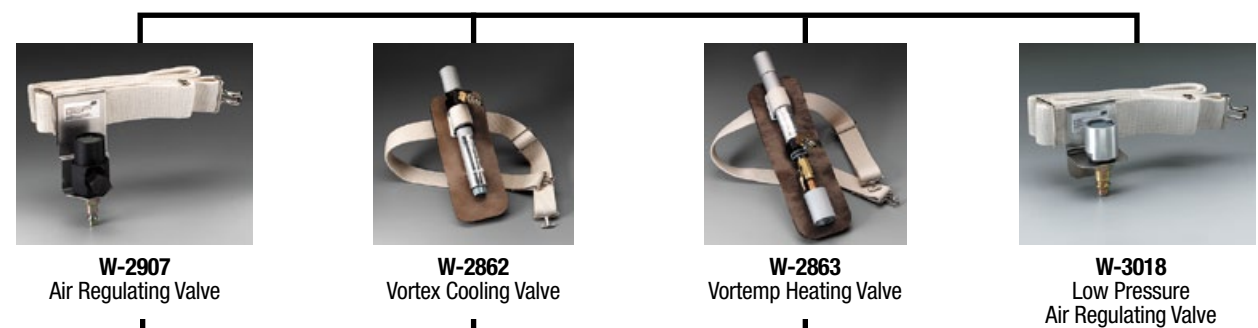


H-612



W-5114

W-Series Supplied Air Valves**



**The employer is required to ensure that the compressed air used with any supplied air system meets the requirements for Grade-D breathing air per the Compressed Gas Association Commodity Specification G-7.1-1997. In Canada, refer to CSA Standard Z180.1 for the quality of compressed breathing air.

†IMPORTANT: These filter and regulated panel products do not produce Grade-D breathing air.

3M™ S-Series Integrated Suspension Hoods and Headcovers

Product #	Description	Size	Qty
S-133S-5	3M™ Headcover with Integrated Head Suspension, White	Sm/Med	5/case
S-133SB-5	3M™ Headcover with Integrated Head Suspension, Blue	Sm/Med	5/case
S-133L-5	3M™ Headcover with Integrated Head Suspension, White	Med/Lg	5/case
S-133LB-5	3M™ Headcover with Integrated Head Suspension, Blue	Med/Lg	5/case
S-333S	3M™ High Durability Headcover with Integrated Head Suspension	Sm/Med	1/case
S-333L	3M™ High Durability Headcover with Integrated Head Suspension	Med/Lg	1/case
S-433S-5	3M™ Hood with Integrated Head Suspension	Sm/Med	5/case
S-433L-5	3M™ Hood with Integrated Head Suspension	Med/Lg	5/case
S-533S	3M™ High Durability Hood with Integrated Head Suspension	Sm/Med	1/case
S-533L	3M™ High Durability Hood with Integrated Head Suspension	Med/Lg	1/case

Integrated Suspension Accessories

Product #	Description	Size	Qty
S-920S	3M™ Peel-Off Visor Cover for use with Integrated Harness Products	Sm/Med	40/case
S-920L	3M™ Peel-Off Visor Cover for use with Integrated Harness Products	Med/Lg	40/case

Additional Hoods Available from 3M

Product #	Description	Qty
H-412	3M™ Hood Assembly with Collar and Hard Hat, Tychem™ QC	1/case
H-612	3M™ Sealed-Seam Hood Assembly with Collar and Hard Hat, Tychem™ SL	1/case

3M offers H-Series Hoods for users that require a hood that is compatible with a hard hat.

Breathing Tube Cover

Product #	Description	Qty
BT-922 37311	3M™ Breathing Tube Cover	10/case

3M™ S-Series Premium Suspension Hood Assemblies

Product #	Description	Qty
S-655	3M™ Hood Assembly with Inner Collar and Premium Head Suspension	1/case
S-657	3M™ Hood Assembly with Inner Shroud and Premium Head Suspension	1/case
S-757 37301	3M™ Painter's Hood Assembly with Inner Shroud and Premium Head Suspension	1/case
S-855	3M™ Hood Assembly with Sealed Seams Inner Collar and Premium Head Suspension	1/case
S-857	3M™ Hood Assembly with Sealed Seams Inner Shroud and Premium Head Suspension	1/case

Premium Suspension Replacement Hoods

Product #	Description	Qty
S-605-10	3M™ Replacement Hood with Inner Collar for use with Premium Head Suspension	10/case
S-607-10	3M™ Replacement Hood with Inner Shroud for use with Premium Head Suspension	10/case
S-707-10 37300	3M™ Replacement Painter's Hood with Inner Shroud for use with Premium Head Suspension	10/case
S-805-5	3M™ Replacement Hood with Sealed Seams and Inner Collar	5/case
S-807-5	3M™ Replacement Hood with Sealed Seams and Inner Shroud	5/case

S-950 Premium Suspension Replacement Parts and Accessories

Product #	Description	Qty
S-922 37302	3M™ Peel-Off Visor Cover for use with S-600, S-700 and S-800 Assemblies	40/case
S-950 37303	3M™ Premium Head Suspension for use with S-600, S-700 and S-800 Hood Assemblies	1/case
S-951	3M™ Headband for Premium Head Suspension	1/case
S-952 37304	3M™ Visor Attachment Clips (Left and Right) for Premium Head Suspension	1 pair/case
S-953 37305	3M™ Comfort Pad for Premium Head Suspension	20/case
S-954 37306	3M™ Size Reducing Comfort Pad for Premium Head Suspension	20/case
S-955 37307	3M™ Air-Flow Adjustment Cover for Premium Head Suspension	1/case
S-956 37308	3M™ Air Duct Sealing Ring for Premium Head Suspension	5/case
S-958 37252	3M™ Chin Strap for Premium Head Suspension	4/case

3M Automotive Aftermarket Division (AAD) Product Numbers are found in blue type on selected products.

More Solutions from 3M

3M offers additional innovative products for use with 3M™ Powered and Supplied Air Respirator Systems. For more information about 3M™ Bumpcaps, Hard Hats and tight-fitting

Full Facepiece Respirators, contact your local 3M sales representative or visit www.3M.com/OccSafety.

Tight-Fitting Options



FF-400 Series
3M™ Ultimate FX
Full Facepiece Respirator



6000 Series
3M™ Full Facepiece
Respirator



7500 Series
3M™ Half Facepiece Respirator



6000 Series
3M™ Half Facepiece Respirator

Loose-Fitting Options



BE-10BR
3M™ Butyl Rubber Hood



L-901SG
3M™ Helmet with Wideview
Faceshield and Shroud



L-905SG
3M™ Helmet with Speedglas™
Welding Shield, Wideview
Faceshield and Shroud



W-8100B
3M™ Whitecap Abrasive
Blasting Helmet Assembly

For More Information

In U.S.

Technical Assistance	1-800-243-4630
Hours of Operation:	8:00 a.m. - 4:30 p.m. CST
Customer Care Center	1-800-328-1667
Hours of Operation:	7:00 a.m. - 5:00 p.m. CST
Internet	3M.com/OccSafety

In Canada

Technical Assistance	1-800-267-4414
Customer Care	1-800-364-3577
Internet	3M.ca/safety



General Offices

3M Center, Building 235-2W-70
St. Paul, MN 55144-1000

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⚠ WARNING

These respirators help protect against certain airborne contaminants. Use of 3M™ Powered & Supplied Air Respirators by untrained or unqualified persons, or use not in accordance with the *User*

Instructions may adversely affect product performance and result in sickness or death. Powered and supplied air respirators are to be used only by qualified persons who are properly trained in their use and maintenance and only in accordance with their operating and maintenance manuals. Each person using these products must first read and understand the operator's manual. See supervisor for assistance or call 3M OH&ESD Technical Service in U.S.A. at 1-800-243-4630. In Canada, call 1-800-267-4414.

Important: Before wearing these respirators, you must determine the following:

- 1) If there is sufficient oxygen present.
- 2) The type of contaminant(s) for which the respirator is being selected.
- 3) The concentration level of the contaminant(s)
- 4) Whether the respirator can be properly fitted on the wearer's face.

All respirator instructions, warnings and time use limitations must also be read and understood by the wearer before use. Before use of these respirators, a written respiratory protection program must be implemented, meeting all the requirements of OSHA 29 CFR 1910.134, including training and fit testing and medical evaluation.