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Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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3M[™] Versaflo[™] S-Series Hoods and Headcovers

Comfort Simplicity Versatility

3M[™] Versaflo[™] S-Series Hoods and Headcovers for Powered and Supplied Air Respirators

3M.com/Versaflo





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

All-Day Comfort

New 3M[™] Versaflo[™] S-Series Hoods and Headcovers have been designed to provide users with the optimal level of comfort. Easily adjustable suspensions (most models) and soft comfort pads help provide excellent fit, stability and tracking. Comfort suspension hoods and headcovers feature wide faceseals 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.

Versatility

As a part of Versaflo respirator systems, S-Series hoods and headcovers can be used in dozens of different Powered Air Purifying Respirator and Supplied Air Respirator combinations.

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 $3M^{\sim}$ 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 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 design of the premium suspension and comfort suspension hoods and headcovers more closely profiles the wearer's head for a more streamlined, less bulky appearance.

Excellent Airflow

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

Integrated Suspension Hoods and Headcovers

Available with two different suspensions, comfort and fabric, integrated suspension hoods and headcovers 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. Integrated suspension headgear is available in two sizes to comfortably fit more wearers: S/M and M/L.





Head and face coverage. Fabric suspension.

Head and face coverage. **Integrated Comfort** suspension. General purpose fabric.

Head and face coverage. Integrated Comfort suspension, blue Tychem® QC fabric.

Head, face, neck, and shoulder coverage. Fabric suspension, inner shroud.



Head, face, neck, and shoulder coverage. Comfort suspension. Durable, soft, quiet, low-linting fabric that drapes more comfortably over the wearer.

COMFORT SUSPENSION MODELS

Integrated suspension models S-133, S-133B and S-533 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.

FABRIC SUSPENSION MODELS

Economy suspension models S-103 and S-403 provide a lower cost alternative to value-conscious customers while still offering comfort and protection.

Product #		Size	
Integrated	Suspension Accessories [*]		
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

†3M recommends S-922 Peel-Off Visor Cover for S-103 Economy Headcover and S-403 Economy Hood.

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'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 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 external cover lets wearers modify the location of the airflow.





3M[™] Versaflo[™] 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[™] Versaflo[™] Hood Assembly S-657 Similar to S-655. The S-657 uses a double shroud design for its respiratory seal; wearers can select their preferred seal design.

their preferred seal design. The S-657 is worn by tucking the inner shroud into a shirt or protective coverall, allowing excess air to be channeled over the body.



3M[™] Versaflo[™] 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. Fabric has an internal film barrier to help prevent paint contact with skin or clothes.



3M[™] Versaflo[™] Hood Assembly S-855

Similar to S-655 but 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. Includes a comfortable inner collar.



3M[™] Versaflo[™] Hood Assembly S-857

Similar to 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.

Product #		
	emium Suspension ent Parts and Accessories	
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

Premium Suspension Replacement Hoods			
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	

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

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.

BT-30

BT-20S



3M™ Versaflo™ Breathing Tube, Small/Medium

Approx. 28", features steel core coils for durability. To improve comfort and reduce the potential to catch on the wearer's surroundings, BT-20 tubes are available in two sizes.

37309





3M™ Versaflo™ Breathing Tube, Medium/Large

Approx. 38", features steel core coils for durability. To improve comfort and reduce the potential to catch on the wearer's surroundings, BT-20 tubes are available in two sizes. 37310 3M™ Versaflo™ Length-Adjusting Breathing Tube

Self-adjusting length results in an approved fit for most wearers and reduced risk of catching and snagging. BT-40



3M[™] Versaflo[™] Heavy Duty Neoprene Rubber Breathing Tube

Features a durable, heat-resistant neoprene rubber material for rugged applications. BE-324



3M™ Breathing Tube Approx. 36", for use only with Breathe Easy™ systems.



Solutions for Many Applications

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



Headge	ear	OSHA Assigned Protection Factor ¹
S-103	Economy Headcover	25
S-133	Headcover	25
S-133B	Headcover	25
S-403	Economy Hood	1000 ²
S-533	Hood	1000 ²
S-655	Hood Assembly with Inner Collar and Premium Head Suspension	1000 ²
S-657	Hood Assembly with Inner Shroud and Premium Head Suspension	1000 ²
S-757	Painter's Hood Assembly with Inner Shroud and Premium Head Suspension	1000 ²
S-855	Hood Assembly with Sealed Seams, Inner Collar and Premium Head Suspension	1000 ²
S-857	Hood Assembly with Sealed Seams, Inner Shroud and Premium Head Suspension	1000 ²

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.

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 the next page to find the breathing tube solution that will complete your system.

Current Product	S-Series Products
BE-12 Headcover, White, Regular ³	S-103S Economy Headcover, Small/Medium S-133S Headcover, White, Small/Medium
BE-12L Headcover, White, Large ³	S-103L Economy Headcover, Medium/Large S-133L Headcover, White, Medium/Large
BE-12B Headcover, Blue, Regular ³	S-133SB Headcover, Blue, Small/Medium
BE-12LB Headcover, Blue, Large ³	S-133LB Headcover, Blue, Medium/Large
BE-10 Hood, White, Regular ³	S-403S Economy Hood, Small/Medium S-533S High Durability Hood, Small/Medium
BE-10L Hood, White, Large ³	S-403L Economy Hood, 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

³S-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.

S-Series Combinations

•••• H-Series Combinations

3M[™] VERSAFLO[™] S-SERIES HOODS AND HEADCOVERS



APF 25 Respiratory Protection S-103S Economy, S/M S-133S White, S/M S-103L Economy, M/L S-133L White, M/L

S-133SB Blue, S/M S-133LB Blue, M/L



Integrated Suspension Hoods APF 1000** Respiratory Protection

S-403S Economy, S/M S-403L Economy, M/L



S-533S High Durability, S/M S-533L High Durability, M/L

3M[™] VERSAFLO[™] BT-SERIES BREATHING TUBES

All BT-Series breathing tubes feature the QRS (Quick Release Swivel) connection for maximum comfort and ease of use.

Length Adjusting



BT-20L/37310 Medium/Large (Approx. 38")

BT-30







TR-300 Particulate Filters PAPR Assemblies TR-3710N-5 Standard Belt & TR-305N Economy Battery High Durability Belt & TR-306N

High Capacity Battery TR-307N Easy Clean Belt & High Capacity Battery

Particulate Filter, 5/case TR-3710N-40 Particulate Filter,

40/case



TR-600 PAPR Assemblies

High Durability Belt & Economy Battery
Easy Clean Belt & Economy Battery
High Durability Belt & High Capacity Battery
Easy Clean Belt & High Capacity Battery

Cartridges/Filters

TR-6320N-5	Acid Gas/HE
TR-6350N-5	Formaldehyde/HE
TR-6360N-5	Ammonia/ Methylamine/HE
TR-6510N-5	Organic Vapor/HE
TR-6530N-5	Organic Vapor/Acid Gas/HE
TR-6590N-5	Multi-Gas/HE
TR-6710N-5	High Efficiency Filter
TR-6820N-5	HE and Nuisance OV/ AG Filter

**OSHA assigned protection factors defined in 29 CFR 1910.134. 3M supports an APF of 1000 for the S-Series and H-Series Hoods, and M-Series and L-Series Helmets with TR-Series, V-Series, and GVP-Series air supply sources. Contact 3M Technical Service for supporting test procedures and data. In Canada, follow CSA 294.4 or the requirements of the authority having jurisdiction in your region.

⁺For the TR-300 PAPR - Operating Altitude approx. sea level to 2,600ft (800m). For altitudes above 2,600ft, contact 3M.

For TR-600 Models - Operating Altitude approx. -328 to 16,404ft (-100 to 5,000m). For altitudes outside this range, contact 3M.



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



	3M [™] S-Series Integrated Suspension Hoods and Headcovers			
S-103S-20	3M [™] Economy Headcover	Sm/Med	20/case	
S-103L-20	3M [™] Economy Headcover	Med/Lg	20/case	
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-403S-20	3M [™] Economy Hood		20/case	
S-403L-20	3M [™] Economy Hood		20/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	

Product #			
Integrated	Suspension Accessories [*]		
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

 $^{\dagger}3M$ recommends S-922 Peel-Off Visor Cover for S-103 Economy Headcover and S-403 Economy Hood.

Product #	Description	
S-950 Pre Replacem		
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

Product #		Qty
	ies Premium n Hood Assemblies	
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			
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	$3M^{\mathbb{M}}$ Replacement Hood with Sealed Seams and Inner Collar	5/case	
S-807-5	$3M^{\mathbb{M}}$ Replacement Hood with Sealed Seams and Inner Shroud	5/case	

3M [®] H-Series Replacement Hoods			
H-410-10	3M [™] Hood with Collar, Tychem® QC	10/case	
H-420-10	3M [™] Hood with Inner Shroud, Tychem® QC	10/case	
H-610-5	3M [™] Sealed-Seam Hood with Collar, Tychem [®] SL	5/case	

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

Breathing Tube Cover			
BT-922/ W-3228-10 37311	3M [™] Breathing Tube Cover	10/case	

Build your own Versaflo[™] system or choose from one of our complete system kits. These kits offer the convenience of a complete system tailored to your application — all in one box.

EASY CLEAN PAPR KIT



TR-300-ECK TR-600-ECK

Popular for many pharmaceutical, healthcare, and food and beverage applications, the ECK Kit includes an S-series Hood, a TR-300 or TR-600 PAPR with Easy Clean Belt, and a BT-30 Breathing Tube.

HEADCOVER PAPR KIT



TR-300-HKS (Small Headcover Kit) TR-300-HKL (Large Headcover Kit)

The easiest way to select a complete system for hospital, healthcare, and pharmaceutical applications where an S-133, APF 25 Headcover is preferred. Includes an S-133 Headcover. a TR-307N PAPR with Easy Clean Belt, a BT-30 Breathing Tube, charger, TR-3710N filter and a storage bag. Available in two sizes: Small/Medium and Medium/Large.



In Canada

Scan to learn more or request a product demo.

Download reader @ http://get.beetagg.com.

For More Information

In U.S.

Technical Assistance Hours of Operation:

Customer Care Center Hours of Operation:

Internet

1-800-243-4630 8:00 a.m. - 4:30 p.m. CST

1-800-328-1667 7:00 a.m. - 5:00 p.m. CST

3M.com/PPESafetv 3M.com/Versaflo



Hours of Operation:

Customer Care Hours of Operation:

Internet

1-800-267-4414 8:00 a.m. - 4:30 p.m. EST

1-800-364-3577 7:30 a.m. - 6:00 p.m. EST

3M.ca/safetv

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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 proper use, see packaging instructions, supervisor, or call 3M PSD Technical Service in USA at 1-800-243-4630 and in Canada at 1-800-267-4414.



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