

3M Science.
Applied to Life.™

**Advanced protective
headgear. Applied to
making work more
comfortable.**



**3M™ Versaflo™ M-Series
Headgear for Powered and
Supplied Air Respirators**

3M.com/Versaflo

WELDING TECHNOLOGY
SUPPLIERS OF WELDING AND ENGINEERING EQUIPMENT



Ph: **09 274 1246**
info@weldingtechnology.co.nz
www.weldingtechnology.co.nz

Dependable protection, exceptional comfort and ease of use

3M™ Versaflo™ M-Series headgear for powered and supplied air respirators are lightweight, compact and easy to maintain while helping to provide the wearer with protection from a range of hazards. Their versatility and comfort help make them popular for many applications.



Directed airflow

A built-in air deflector allows users to direct the location of the airflow inside the headgear for increased control and comfort.

Modern, well-balanced, comfortable design

Versaflo™ M-Series headgear is lightweight, with excellent balance. The suspension includes six-point textile straps (four-point straps for 3M™ Versaflo™ M-206 Faceshield) for excellent comfort and weight distribution.

Coated visor with large viewing area

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

Easy maintenance

Easily removable parts allow simple cleaning, maintenance and replacement.

Easily adjustable suspension

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

Versatility

To suit a wide range of needs, industries and applications, Versaflo™ M-Series headgear offer faceshields, covers and shrouds in a variety of fabrics. Accessories include earmuffs, peel-offs and a chin strap.



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3M™ Versaflo™ M-Series Faceshields, Hard Hats and Helmets

M-200 Respiratory Faceshield

- Helps provide respiratory (OSHA APF 25) protection, plus limited eye (ANSI Z87.1-2010) protection
- Weighs approximately 613g (1.4 lbs)*
- Lightweight for excellent comfort
- Common for most powder handling, paint spraying, grinding, buffing and general maintenance applications where an approved level of head protection is not required
- Available with a variety of face seal fabrics
- Also available: M-100 models with removable headtop inserts

M-206



M-207



M-300 Respiratory Hard Hat

- 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
- Weighs approximately 850g (1.9 lbs)*
- Six-strap textile suspension offers maximum comfort
- Common for most powder handling, paint spraying and general maintenance applications where hard hat protection is required or desired
- Available with a variety of face seal fabrics

M-305



M-307



M-400 Respiratory Helmet

- 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
- Weighs approximately 1049g (2.3 lbs)*
- Six-strap textile suspension offers excellent comfort
- Common for most powder handling, paint spraying, and general maintenance applications where the highest level of respiratory protection defined by OSHA and hard hat protection are required or desired
- A variety of outer shroud materials available

M-405



M-407



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*Weight is complete assembly.

**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.

3M™ Versaflo™ M-Series Complete System Kits

► 1 | Choose your headtop

M-200 Series Faceshields

► M-206

APF 25 Respiratory Protection, Eye/Face Protection, Directable Airflow



Order a complete helmet:

M-206 Faceshield with Standard Visor and Comfort Faceseal

M-207 Faceshield with Premium Visor and Flame Resistant Faceseal

Also available

- M-100 Series configurations
- Standard Faceseal M-925

M-300 Series Hard Hats

► M-307

APF 25 Respiratory Protection, Head Protection, Eye/Face Protection, Directable Airflow



Order a complete helmet:

M-305 Hard Hat with Standard Visor and Faceseal

M-307 Hard Hat with Premium Visor and Flame Resistant Faceseal

M-400 Series Helmets

► M-407

APF 1,000⁺ Respiratory Protection, Head Protection, Eye/Face Protection, Directable Airflow



Order a complete helmet:

M-405 Helmet with Standard Visor and Shroud

M-407 Helmet with Premium Visor and Flame Resistant Shroud

3M™ Speedglas™ Welding Helmet 9100MP**

► Speedglas™ Welding Helmet 9100MP

APF 25 Respiratory Protection, Head Protection, Eye/Face Protection



Order a complete system:

27-5702-20SW 3M™ Speedglas™ Fresh-Air III Supplied Air System with V-100 Vortex Air-Cooling Valve and 3M™ Speedglas™ Welding Helmet 9100MP with Hard Hat, Side Windows and Auto-Darkening Filter 9100X

27-5902-20SW 3M™ Speedglas™ Fresh-Air III Supplied Air System with V-300 Air-Regulating Valve and 3M™ Speedglas™ Welding Helmet 9100MP with Hard Hat, Side Windows and Auto-Darkening Filter 9100X

27-0099-35SW 3M™ Speedglas™ Welding Helmet 9100MP with Hard Hat and Side Windows (no Auto-Darkening Filter)

Visit 3M.com/weldingsafety for other 3M™ Speedglas™ welding products

3M™ L-Series Head Gear**

► 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-901SG Helmet[†] with Wideview Faceshield and Shroud

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

► L-Series Accessories

L-170 Enables connection to BT series Breathing Tube

L-122/37012 Breathing Tube for use with GVP PAPR and V Series Valves



► 2 | Choose the appropriate breathing tube

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.



BT-20S/37309 Sm/Med (Approx. 28")
BT-20L/37310 Med/Lg (Approx. 38")

BT-30
Length Adjusting

BT-40
Heavy Duty

► 3 | Choose your air delivery unit

3M™ Versaflo™ TR-Series Powered Air Purifying Respirators (PAPRs)[†]

► TR-300 Particulate PAPR Assemblies[†]



TR-304N	Easy Clean Belt & Economy Battery
TR-305N	Standard Belt & Economy Battery
TR-306N	High Durability Belt & High Capacity Battery
TR-307N	Easy Clean Belt & High Capacity Battery

Filters

TR-3712N-5	Particulate Filter, 5/case
TR-3712N-40	Particulate Filter, 40/case

► TR-600 Particulate/Gas & Vapor PAPR Assemblies



TR-613N	High Durability Belt & Standard Battery
TR-614N	Easy Clean Belt & Standard Battery
TR-616N	High Durability Belt & High Capacity Battery
TR-617N	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-6710N-5	High Efficiency Filter
TR-6820	HE/HF and Nuisance Organic Vapor

3M™ Versaflo™ V-Series Supplied Air Valves and Adapter



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

GVP™ Intrinsically Safe Systems



Cartridges/Filters

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)

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

*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.

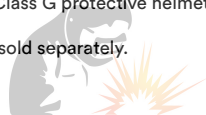
** Future configuration with TR-600 models.

† 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.

‡‡ V-199 adapter included in assembly and also sold separately.



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3M™ Versaflo™ M-Series Complete System Kits

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.

Heavy Industry PAPR Kit

▶ TR-600-HIK



A complete Powered Air Purifying Respirator ready-to-use kit provides a simple way to purchase a complete PAPR system for use in rugged environments such as industrial, demolition, grinding, metal finishing and casting operations. Includes: M-307 Respiratory Hard Hat, a TR-600 series PAPR kit with Breathing Tube, High Durability Belt, and more.

Belt-Mounted PAPR Kit

▶ GVP-PSK2/37335



A complete PAPR solution for painters. Includes a GVP-CB PAPR Assembly (including battery, comfort belt and charger), a GVP-441 OV/HE Filter with GVP-119 shower cover, a BT-20L Breathing Tube with BT-922 Breathing Tube Cover and an M-206 Faceshield.

Heavy Industry PAPR Kit

▶ TR-300-LIK



A complete particulate PAPR system for applications where combined respiratory, eye, face and hearing protection is required or desired. Includes an M-206 Respiratory Faceshield, TR-306N PAPR with High Durability Leather Belt, BT-30 Length Adjusting Breathing Tube, HE filter, spark arrestor/prefilter, headgear-mounted earmuffs and battery charger.

Painter's Supplied Air Respirator Kit

▶ SA-100-PSK/37336



For painters who want to use a Supplied Air Respirator. Includes a V-100 Vortex Cooling Assembly, a BT-20L Breathing Tube with BT-922 Breathing Tube Cover and an M-206 Faceshield. 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.



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Parts and Accesories

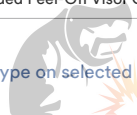
Headtops and Headgear	Description	SKU (3M ID)	UPC Number
M-101	3M™ Versaflo™ Respiratory Faceshield M-101, Without Visor and Faceseal 1/Case	70071544913	00051131173118
M-105	3M™ Versaflo™ Respiratory Faceshield Assembly M-105/ 37314(AAD) , with Standard Visor and Faceseal 1/Case	70071544921	00051131373143
M-107	3M™ Versaflo™ Respiratory Faceshield Assembly M-107, with Premium Visor and Faceseal 1/Case	70071544939	00051131173125
M-206	M-206N Versaflo Respiratory Faceshield	70071673761	00051131372993
M-207	M-207N Versaflo Respiratory Faceshield	70071673779	00051141567402
M-301	3M™ Versaflo™ Respiratory Hardhat M-301, Without Visor or Faceseal 1/Case	70071544988	00051131173156
M-305	3M™ Versaflo™ Respiratory Hardhat Assembly M-305, with Standard Visor and Faceseal 1/Case	70071544996	00051131173163
M-307	3M™ Versaflo™ Respiratory Hardhat Assembly M-307, with Premium Visor and Faceseal 1/Case	70071562006	00051131173170
M-401	3M™ Versaflo™ Respiratory Helmet M-401, Without Visor and Shroud 1/Case	70071562048	00051131173217
M-405	3M™ Versaflo™ Respiratory Helmet Assembly M-405, with Standard Visor and Shroud 1/Case	70071562055	00051131173224
M-407	3M™ Versaflo™ Respiratory Helmet Assembly M-407, with Premium Visor and Flame Resistant Shroud 1/Case	70071562063	00051131173231
27-5702-20SW	3M™ Speedglas™ Fresh-Air III Supplied Air System with V-100 Vortex Air-Cooling Valve and 3M™ Speedglas™ Welding Helmet 9100MP 1/Case	70071621513	00051141558059
27-5902-20SW	3M™ Speedglas™ Fresh-Air III Supplied Air System with V-300 Air-Regulating Valve and 3M™ Speedglas™ Welding Helmet 9100MP 1/Case	70071621547	00051141558080
27-0099-35SW	3M™ Speedglas™ Welding Helmet 9100MP with Hard Hat and SideWindows (no Auto-Darkening Filter) 1/Case	70071621562	00051141558103

PAPR System Kits	Description	SKU (3M ID)	UPC Number
TR-300-LIK	TR-300-LIK Versaflo Light Industry Kit	70071673787	00051141567419
TR-300-HIK	3M™ Versaflo™ Heavy Industry PAPR Kit TR-300-HIK 1/case	70071563731	00051131173781
TR-600-HIK	3M™ Versaflo™ Heavy Industry PAPR Kit TR-600-HIK, 1/case	70071618436	00051131373747
GVP-PSK2	3M™ Belt-Mounted PAPR Painter's Kit GVP-PSK2/ 37335(AAD) 1/Case	70071562303	00051131373358
SA-100-PSK	3M™ Versaflo™ Painter's Supplied Air Respirator Kit SA-100-PSK/ 37336(AAD) 1/Case	70071562311	00051131373365

Shrouds for M-400 Helmets	Description	SKU (3M ID)	UPC Number
M-444	3M™ Versaflo™ Inner Collar M-444, for use with all M-Series Outer Shrouds 1/Case	70071562089	00051131173255
M-445	3M™ Versaflo™ Standard Outer Shroud M-445 1/Case	70071562097	00051131173262
M-446	3M™ Versaflo™ Comfort Outer Shroud M-446, 1/case	70071562105	00051131173279
M-447	3M™ Versaflo™ Flame Resistant Outer Shroud M-447 1/Case	70071562113	00051131173286
M-448	3M™ Versaflo™ High Durability Outer Shroud M-448 1/Case	70071562121	00051131173293

Visor and Visor Accessories	Description	SKU (3M ID)	UPC Number
M-919	3M™ Versaflo™ Replacement Visor Frame Buttons M-919 10/Case	70071562139	00051131173309
M-920	3M™ Versaflo™ Replacement Visor Frame Assembly M-920/ 37320(AAD) 1/Case	70071562147	00051131373204
M-921	3M™ Versaflo™ Replacement Visor Gasket M-921/ 37321(AAD) 5/Case	70071562154	00051131373211
M-925	3M™ Versaflo™ Standard Visor M-925/ 37323(AAD) 5/Case	70071562170	00051131373235
M-926	3M™ Versaflo™ Peel-Off Visor Covers M-926/ 37322(AAD) , for M-925 Standard Visor 40/Case	70071562162	50051131373223
M-927	3M™ Versaflo™ Premium Visor M-927/ 37324(AAD) 5/Case	70071562188	00051131373242
M-928	3M™ Versaflo™ Peel-Off Visor Covers M-928/ 37452(AAD) , for M-927 Premium Visor 40/Case	70071563939	50051131374527
M-929-25	3M™ Versaflo™ Shaded Peel-Off Visor Cover, M-929, for 3M Versaflo™ M-Series Headgear, 25/case	70071674074	00051141567617

3M AAD product numbers are found in blue type on selected products.



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Parts and Accessories, *continued*

Breathing Tubes, Accessories and Adapters	Description	SKU (3M ID)	UPC Number
V-199	3M™ Adapter V-199/ 37069(AAD) 4/Case	70071042512	00051131370692
BT-20L	3M™ Versaflo™ Breathing Tube, BT-20L, Medium/Large, 1/case	70071533015	00051131373105
BT-20S	3M™ Versaflo™ Breathing Tube, BT-20S, Small/Medium, 1/case	70071533023	00051131373099
BT-922/W-3228-10	3M™ Versaflo™ Breathing Tube Cover BT-922 / W-3228-10, 10/case	78806025280	00051131373112
BT-30	3M™ Versaflo™ Length Adjusting Breathing Tube BT-30 1/case	70071563749	0005113173798
BT-40	3M™ Versaflo™ Heavy Duty Neoprene Rubber Breathing Tube BT-40 1/case	70071563756	00051131173804
BT-926/L-199SG	3M™ Versaflo™ High Temperature Breathing Tube Cover, Welding Safety BT-926/L-199SG 1 EA/Case	70071516556	00051135894514

Replacement Parts	Description	SKU (3M ID)	UPC Number
M-116	3M™ Versaflo™ Replacement Airflow Deflector M-116, for use with M-100 Faceshields 1/Case	70071544947	0005113173132
M-150	3M™ Versaflo™ Replacement Head Suspension M-150/ 37316(AAD) , for use with M-100 Faceshields 1/Case	70071544954	00051131373167
M-154	3M™ Versaflo™ Replacement Forehead Seal M-154, for use with M-100 Series Faceshields 1/Case	70071544962	0005113173149
M-170	3M™ Versaflo™ Faceshield Head Inserts M-170/ 37318(AAD) , for use with M-100 Faceshields 1 Pair/Case	70071544970	00051131373181
M-316	3M™ Versaflo™ Replacement Airflow Deflector M-316, for use with M-300 and M-400 Products 1/Case	70071562014	0005113173187
M-350	3M™ Versaflo™ Replacement Head Suspension M-350, for use with M-300 and M-400 Hardhats 1/Case	70071562022	00051131173194
M-354	3M™ Versaflo™ Replacement Forehead Seal M-354, for use with M-300 Hardhat 1/Case	70071562030	0005113173200
M-441	3M™ Versaflo™ Replacement Jaw Gasket M-441, for use with M-400 Helmets 1/Case	70071562071	00051131173248
M-935	3M™ Versaflo™ Standard Faceseal M-935/ 37325(AAD) 5/Case	70071562196	00051131373259
M-936	3M™ Versaflo™ Comfort Faceseal M-936/ 37326(AAD) 5/Case	70071562204	00051131373266
M-937	3M™ Versaflo™ Flame Resistant Faceseal M-937 5/Case	70071562212	0005113173316
M-956	3M™ Versaflo™ Size Reducing Ratchet Comfort Pad M-956/ 37327(AAD) 10/Case	70071562220	50051131373278
M-957/L-115	3M™ Versaflo™ Forehead Comfort Pad/Sweat Pad M-957/L-115/ 37010(AAD) 10/Case	70070798577	50051131370109
M-958/L-112	3M™ Versaflo™ Chin Strap M-958/L-112 2/Case	70070843340	50051138662566
M-960	3M™ Versaflo™ Replacement Visor Pivot Kit M-960 1 Pair/Case	70071562238	00051131173323
M-972	3M™ Versaflo™ Flame Resistant Headgear Cover M-972/ 37331(AAD) 1/Case	70071562246	00051131373310
M-976	3M™ Versaflo™ Head Neck and Shoulder Cover M-976/ 37332(AAD) , for use with M-100 and M-300 Products 1/Case	70071562253	00051131373327
M-985	3M™ Peltor™ Earmuff Assembly M-985/ 37333(AAD) , for Versaflo™ M-100 and M-300 Products 1 Pair/Case	70071562287	00051131373334

For more information

In U.S.

Technical Service
Hours of Operation: **1-800-243-4630**
8:00 a.m.–4:30 p.m. CST

Customer Care Center
Hours of Operation: **1-800-328-1667**
7:00 a.m.–5:00 p.m. CST

Internet
3M.com/WorkerSafety
3M.com/Versaflo

In Canada

Technical Service
Hours of Operation: **1-800-267-4414**
8:00 a.m.–4:30 p.m. EST

Customer Care
Hours of Operation: **1-800-364-3577**
7:30 a.m.–6:00 p.m. EST

Internet
3M.ca/safety



3M General Offices

3M Center, Building 235-2W-70
St. Paul, MN 55144-1000
3M.com
3M PSD products are for occupational use only.



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 packaging instructions and 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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