



# Comfort Simplicity Versatility

## Highly Versatile Systems for Respiratory Protection

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

# New Levels of Comfort and Simplicity

All 3M™ Versaflo™ products are light-weight, compact and well-balanced

Easily removable parts allow simple cleaning, maintenance and replacement

QRS (Quick Release Swivel) breathing tubes allow fast and easy connection

Two-position adjustable airflow feature distributes air where the user wants

Multiple size adjustment options allow for a comfortable fit

Provides excellent peripheral and downward vision

Equipped with automatic flow control, low battery alarm, and low flow alarm

TR-300 PAPR available with backpack accessory

The air inlet draws air from the bottom of the unit, allowing the wearer to sit without blocking the airflow intake

## Protection Against Multiple Hazards

Now you can configure 3M™ Versaflo™ systems to help protect users from a variety of combined hazards.



Respiratory Protection



Head Protection



Eye and Face Protection



Hearing Protection

# 3M™ Versaflo™ 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.

## EASY CLEAN PAPR KIT



### TR-300-ECK

Perfect for many pharmaceutical, healthcare, and food and beverage applications, the TR-300-ECK kit includes an S-655 Hood, a TR-307N PAPR with Easy Clean Belt, and a BT-30 Breathing Tube. A battery charger, TR-3710N filter and TR-3600 prefilter are included as part of the TR-307N.

## BELT-MOUNTED PAPR PAINTER'S 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 a M-101 Respiratory Faceshield with a M-925 Visor and M-936 Comfort Faceseal.

## HEAVY INDUSTRY PAPR KIT



### TR-300-HIK

A complete particulate PAPR system for industrial applications where combined respiratory, head, eye and face protection is required or desired. Includes an M-307 Respiratory Hard Hat, a TR-306N PAPR with High Durability Leather Belt, and a BT-40 Heavy Duty Breathing Tube. A battery charger, TR-3710N filter, and TR-362 spark arrestor/prefilter are included as part of the TR-306N.

## 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 a M-101 Respiratory Faceshield with a M-925 Visor and M-936 Comfort Faceseal. 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.

## 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 appropriate. 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.



# 3M™ Versaflo™ Systems are Easy to Select

Choosing a Versaflo™ system is as easy as 1, 2, 3. Just choose headgear, a breathing tube, and an air source that fits your needs from the product matrix below. All Versaflo components are interchangeable, giving you the flexibility to find different Versaflo solutions for different exposures, applications, locations, or tasks.

## 1 Choose Your Headgear

### 3M™ VERSAFLO™ S-SERIES HOODS AND HEADCOVERS



S-133

#### S-Series Integrated Suspension Headcovers

APF 25 Respiratory Protection

- S-103 Economy Headcover
- S-133 Headcover
- S-133B Blue Headcover

#### S-Series Integrated Suspension Hoods

APF 1000\* Respiratory Protection

- S-403 Economy Hood
- S-533 High Durability Integrated Suspension Hood



S-533

#### S-Series Premium Suspension Hoods

APF 1000\* Respiratory Protection, Reusable Suspension, Adjustable Airflow

- S-655 Hood with Collar
- S-657 Hood with Inner Shroud
- S-757 Painter's Hood with Inner Shroud
- S-855 Sealed Seam Hood with Collar
- S-857 Sealed Seam Hood with Inner Shroud



S-655

### 3M™ VERSAFLO™ M-SERIES FACESHIELDS, HARD HATS AND HELMETS



M-105

#### M-100 Series Faceshields

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

- M-105 Faceshield with Standard Visor and Face Seal
- M-107 Faceshield with Premium Visor and Flame Resistant Face Seal



M-307

#### M-300 Series Hard Hats

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

- M-305 Hard Hat† with Standard Visor and Face Seal
- M-307 Hard Hat† with Premium Visor and Flame Resistant Face Seal



M-407

#### M-400 Series Helmets

APF 1000\* Respiratory Protection, Head Protection, Eye/Face Protection, Adjustable Airflow

- M-405 Helmet† with Standard Visor and Shroud
- M-407 Helmet† with Premium Visor and Flame Resistant Shroud

† ANSI Z89.1-2003 Type I Class G.

## 2 Choose Your 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/BT-20L

Light Duty Breathing Tube



#### BT-30

Length Adjusting Breathing Tube



#### BT-40

Heavy Duty Breathing Tube

### 3 Choose Your Air Supply Source

#### 3M™ VERSAFLO™ TR-SERIES POWERED AIR PURIFYING RESPIRATORS (PAPRS)<sup>†</sup>

##### TR-300 Particulate PAPR

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



#### 3M™ VERSAFLO™ V-SERIES SUPPLIED AIR VALVES

##### V-Series Valves

- V-100 Vortex Cooling Assembly
- V-200 Vortemp™ Heating Assembly
- V-300 Air Regulating Valve Assembly
- V-400 Low Pressure Connector Assembly



All V-Series Supplied Air Valves require a supplied air hose to complete the NIOSH-approved respirator system. These hoses are available in many different lengths and are sold separately.

#### 3M™ GVP-SERIES POWERED AIR PURIFYING RESPIRATORS (PAPRS)

##### Intrinsically Safe/NiCd

- GVP-1 Assembly
- GVP-1U with Vinyl Belt
- GVP-CB with Comfort Belt

##### NiMH

- GVP-1NiMH
- GVP-1UNiMH with Vinyl Belt
- GVP-CBNiMH with Comfort Belt



All GVP-Series PAPRs require a cartridge or filter (both sold separately) to complete the NIOSH-approved respirator system.

### Additional 3M™ Headgear Options

3M™ H-Series Hoods and L-Series Headgear can also be configured with the new Versaflo systems, and offer more choices and flexibility for your application. Contact your 3M representative for details.

#### 3M™ H-SERIES HOODS

##### H-Series Hoods

APF 1000\*\* Respiratory Protection, Head Protection, Reusable Suspension

- H-412 Hood with Hard Hat<sup>†††</sup> and Inner Collar
- H-422 Hood with Hard Hat<sup>†††</sup> and Inner Shroud
- H-612 Sealed Seam Hood with Hard Hat and Inner Collar



<sup>†††</sup>ANSI Z89.1-2003 Type I Class E.

#### 3M™ L-SERIES HEADGEAR

##### L-Series Headgear

APF 25 (L-705SG) or APF 1000\* (L-901SG/L-905SG)

Respiratory Protection, Head Protection, Eye/Face Protection

- L-705SG Hard Hat<sup>††</sup> with Speedglas™ Welding Shield and Wideview Faceshield
- L-901SG Helmet<sup>††</sup> with Wideview Faceshield and Shroud
- L-905SG Helmet<sup>††</sup> with Speedglas™ Welding Shield, Wideview Faceshield and Shroud



<sup>††</sup>ANSI Z89.1-2003 Type II Class G. CAN/CSA Z94.1-05 Class G protective helmets.

\*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 Z94.4 or the requirements of the authority having jurisdiction in your region.

<sup>†</sup> Operating Altitude approx. sea level to 2,600ft (800m). For altitudes above 2,600ft, contact 3M.

# SELECTION GUIDE

Industry/Applications	Contaminant Type	Airsourse Options	Airsourse Options																				
			S-103	S-133	S-403	S-533	S-655 (S-605)	S-657 (S-607)	S-757 (S-707)	S-855 (S-805)	S-857 (S-807)	M-105	M-107	M-305	M-307	M-405	M-407	H-412	H-422	H-612			
General Maintenance and Manufacturing																							
Sweeping, Grinding, Drilling, Sawing, Cutting	Particles	<ul style="list-style-type: none"> <li>• TR-300</li> <li>• GVP PAPR</li> <li>• V-Series</li> </ul>	●	●	●	●	●	●	○	○	○	●	○	●	○	●	○	○	○	○	○	○	
Powder Painting	Particles	<ul style="list-style-type: none"> <li>• TR-300</li> <li>• GVP PAPR</li> <li>• V-Series</li> </ul>	○	○	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Spray Painting, Coating, Surface Preparation	Particles/ Gases and Vapors	<ul style="list-style-type: none"> <li>• GVP PAPR</li> <li>• V-Series</li> </ul>	○	○	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Pharmaceutical Manufacturing																							
Powder Handling, Mixing, Pulverizing and Shaping	Particles	<ul style="list-style-type: none"> <li>• TR-300</li> <li>• GVP PAPR</li> <li>• V-Series</li> </ul>	●	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Liquid Chemical Handling, Mixing and Spraying	Particles/ Gases and Vapors	<ul style="list-style-type: none"> <li>• GVP PAPR</li> <li>• V-Series</li> </ul>	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Medical and Health Care																							
Infection Control and Cleaning	Particles	<ul style="list-style-type: none"> <li>• TR-300</li> <li>• GVP PAPR</li> <li>• V-Series</li> </ul>	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Food and Beverage																							
Powder Handling and Mixing	Particles	<ul style="list-style-type: none"> <li>• TR-300</li> <li>• GVP PAPR</li> <li>• V-Series</li> </ul>	●	●	●	●	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Chemical Industry																							
Liquid Chemical Handling, Mixing and Spraying	Particles/ Gases and Vapors	<ul style="list-style-type: none"> <li>• GVP PAPR</li> <li>• V-Series</li> </ul>	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○

Occupational use of respirators must be in compliance with all applicable health and safety standards. Consult your safety professional or an industrial hygienist with questions about the personal protective requirements for your application.

Primary Use ●	Secondary Use ●	Tertiary Use ○
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