

# 3M Respirator and Filter Selection Guide

## Particulate Respirators



### N95

**Applications:**  
Grinding, sanding and other dusty operations  
• available in small 8110S

8210



### P95

**Applications:**  
Grinding, sanding, machining and other dusty/oily operations

8271



### N95

**Applications:**  
Same as 8210 plus other hot/dusty operations

8511



### R95

**Applications:**  
Foundry operations, labs, agriculture, petrochemical, undercoating<sup>2</sup>

8247



### N95

**Applications:** Welding, metal cutting/pouring, grinding, sanding, and other dusty/hot operations

8512



### P95

**Applications:**  
Same as 8247 plus hot operations<sup>2</sup>

8577



### N95

**Applications:**  
Same as 8512  
• with faceseal

8212



### R95

**Applications:**  
Glass etching, chemical processing, paper processing, brewing, aluminum smelting<sup>3</sup>

8246



### N95

**Applications:**  
Welding, metal cutting/pouring, grinding, sanding, foundry, labs, petrochemical, undercoating<sup>1</sup>

8514



### P95

**Applications:**  
Same as 8246 plus hot operations<sup>3</sup>

8576



### N95

**Applications:**  
Same as 8514  
• with faceseal<sup>1</sup>

8214



### N100

**Applications:**  
OSHA substance specific particle exposures (lead, cadmium, arsenic, 4,4'-methylenedianiline) and pharmaceuticals

8233



### R95

**Applications:**  
Grinding, sanding and other dusty/oily operations

8240



### P100

**Applications:**  
Same as 8233

8293

## Filters



### P95

**Applications:**  
Grinding, sanding, bagging and other dusty/oily operations

2071



### P95

**Applications:**  
Aluminum smelting, glass etching, chemical manufacturing, hydrogen fluoride gas up to 10 times PEL<sup>3</sup>

2076HF



### P95

**Applications:**  
Utilities operations, chemical manufacturing, aluminum smelting<sup>1,3</sup>

2078



### P100

**Applications:**  
Welding, metal pouring, OSHA substance specific particle exposures, pharmaceuticals

2091



### P100

**Applications:**  
Same as 2091 plus utility operations, chemical manufacturing, aluminum smelting<sup>3</sup>

2096



### P100

**Applications:**  
Same as 2091 plus chemical manufacturing, undercoating<sup>1</sup>

2097



### P100

**Applications:**  
Same as 2091  
• hard shell

7093

## 3M Series 6000 Half Facepiece

6100 Small  
6200 Medium  
6300 Large



## 3M Series 6000 Full Facepiece

6700 Small  
6800 Medium  
6900 Large



## 3M Cartridge Selection Guide

### Filters



**N95**

For use with 6000 series cartridges

**5N11**



**P95**

For use with 6000 series cartridges

**5P71**



Filter retainer for use with 5N11 or 5P71 filters

**501**



Filter adapter for use with 2071 or 2091 filters

**502**

<sup>1</sup>3M recommended for up to 10 times PEL of ozone and nuisance level organic vapour relief

<sup>2</sup>3M recommended for nuisance level organic vapour relief

<sup>3</sup>3M recommended for nuisance level acid gas relief

Nuisance levels refer to concentrations below the OSHA PEL

### Cartridges



**OV**

**For use with:**  
Certain organic vapours



**6001**

**AG**

**For use with:**  
Chlorine, hydrogen chloride, and sulphur dioxide or chlorine dioxide or hydrogen sulphide (escape only)



**6002**

**OV/AG**

**For use with:**  
Certain organic vapours, chlorine, hydrogen chloride, and sulphur dioxide or hydrogen sulphide (escape only) or hydrogen fluoride



**6003**

**AM**

**For use with:**  
Ammonia and methylamine



**6004**

**FORM**

**For use with:**  
Formaldehyde and certain organic vapours



**6005**

**MG**

**For use with:**  
Certain organic vapours, chlorine, hydrogen chloride, chlorine dioxide, hydrogen sulphide (escape only), ammonia/ methylamine, formaldehyde or hydrogen fluoride



**6006**

**HG**

**For use with:**  
Mercury vapour or chlorine gas



**60921**



**AG/P100**

Same as 6002 with P100 particulate filter



**60922**

**OV/AG/P100**

Same as 6003 with P100 particulate filter



**60923**

**AM/P100**

Same as 6004 with P100 particulate filter



**60924**

**FORM/P100**

Same as 6005 with P100 particulate filter



**60925**

**MG/P100**

Same as 6006 with P100 particulate filter



**60926**

**HG/P100**

Same as 6009 with P100 particulate filter



**3M Series 7000+  
Half Facepiece**

7001 Small  
7002 Medium  
7003 Large

C2



**3M Series 7800  
Full Facepiece**

7800SS Small  
7800SM Medium  
7800SL Large

## 3M 8210 N95 Particulate Respirator

The 3M 8210 N95 Particulate Respirator is designed to help provide quality, reliable worker protection against certain non-oil based particles. The 8210 offers a number of benefits to you and your workers.

- **Meets NIOSH 42 CFR 84 N95 requirements.**  
TC-84A-0007
- **Excellent worker protection**  
Because they are comfortable to wear and easy to use, workers are quick to accept and use maintenance-free respirators, like the 8210. Studies have shown they can provide protection equivalent to a rubber facepiece respirator... at much lower cost and greater convenience.
- **Lightweight construction**
  - Promotes greater worker comfort.
  - Contributes to increased wear time.
- **All filter design**
  - Provides economical protection.
  - No spare parts to clean and maintain.
  - Promotes easier communication.
- **Advanced Electret Media (AEM)**
  - Enables the respirator to filter effectively without sacrificing breathability.
- **Adjustable noseclip**
  - Helps provide a custom fit and secure seal.
  - Reduces the potential for eyewear fogging.

### Suggested Applications

- Grinding
- Sanding
- Sweeping
- Bagging
- Other dusty operations

### Use For:

- Solids such as those from processing minerals, coal, iron ore, flour, and certain other substances.
- Liquid or non-oil based particles from sprays that do not also emit harmful vapors.



### Do Not Use For:

Paint spray, oil aerosols, gases, vapors, asbestos or sandblasting, aerosol concentrations that exceed 10 times the OSHA PEL, or applicable government regulations, whichever is lower. This respirator does not supply oxygen.

### Time Use Limitation:

If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the respirator

**This respirator contains no components made from natural rubber latex.**

### Ordering Information:

027-8210	
Respirators Per Box:	20
Respirators Per Case:	160

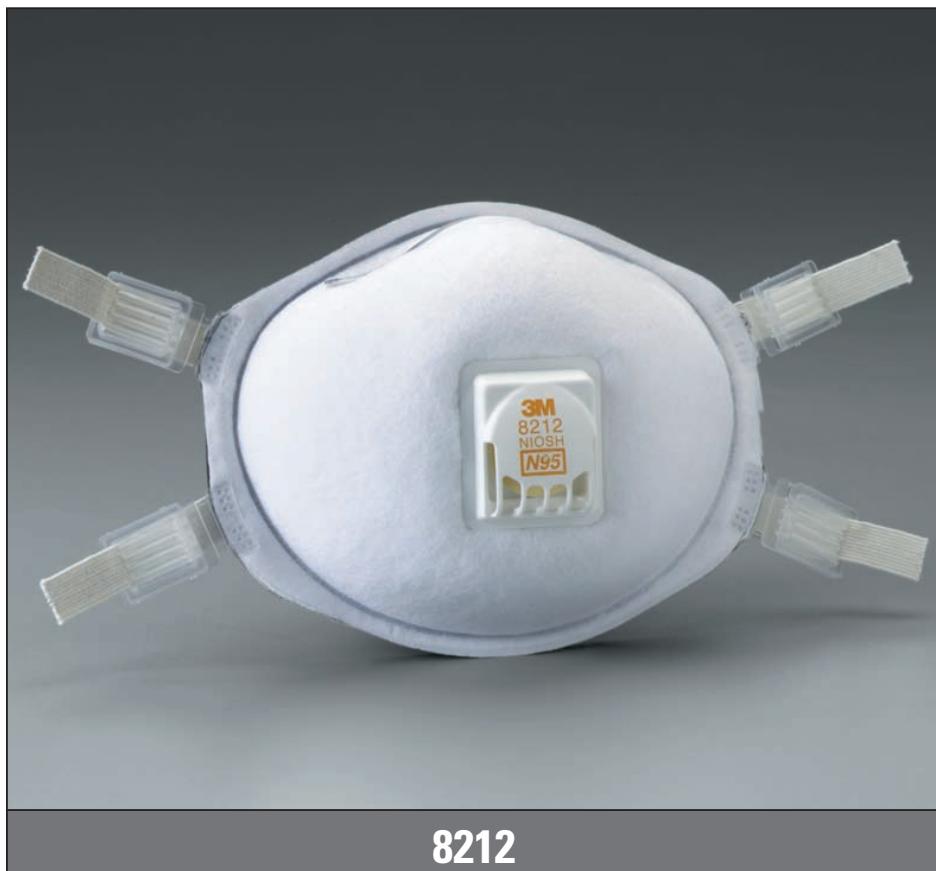
## 3M 8212 N95 Particulate Respirator

The 3M 8212 N95 Particulate Respirator is designed for applications such as welding, soldering and other operations where metal fumes are present. The 8212 provides a minimum filter efficiency of 95% against non-oil based particles. This product's many features provide workers comfortable, durable respiratory protection.

- Meets NIOSH 42 CFR 84 N95 requirements.  
TC-84A-0454
- 3M Cool Flow Exhalation Valve - Patented one-way valve offers easy exhalation and cool, dry comfort.
- Cake-resistant filter media
  - Uniquely-designed filter layers reduce the caking of particles on the respirator surface.
  - Helps make the respirator breathe easier longer, which contributes to longer service life and increased savings.
- Faceseal
  - Comfortable to wear.
  - Contours easily to help provide a good seal.
- Lightweight construction
  - Promotes greater worker comfort.
- All filter design
  - Provides economical protection.
  - No spare parts to maintain.
  - Promotes easier communication.
- Adjustable noseclip
  - Helps provide a custom fit and secure seal.
  - Reduces the potential for eyewear fogging.
- Fully adjustable straps
  - A single tug helps provide a comfortable, secure fit.

### Suggested Applications

- Welding
- Brazing
- Soldering
- Torch cutting
- Metal pouring
- Grinding
- Sanding
- Sweeping
- Bagging
- Other dusty/hot operations



**8212**

### Use For:

- Solids such as those from processing minerals, coal, iron ore, flour, and certain other substances.
- Liquid or non-oil based particles from sprays that do not also emit harmful vapors.
- Metal fumes produced from welding, cutting and other operations involving heating of metals.

### Do Not Use For:

Paint spray, oil aerosols,gases, vapors, asbestos or sandblasting. Aerosol concentrations that exceed 10 times the OSHA PEL, or applicable government regulations, whichever is lower. This respirator does not supply oxygen.

**This respirator contains no components made from natural rubber latex.**

### Time Use Limitation:

If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the respirator.

### Ordering Information:

027-8212	
Respirators Per Box:	10
Respirators Per Case:	80

## 3M 8214 N95 Particulate Respirator

The 3M 8214 N95 Particulate Respirator is designed for applications such as welding, soldering and other operations involving metal fumes including those with ozone and nuisance levels of organic vapors. The 8214 provides a minimum filter efficiency of 95% against non-oil based particles. This product's many features help provide workers comfortable, durable respiratory protection.

- Meets NIOSH 42 CFR 84 N95 requirements.  
TC-84A-0454
- 3M Cool Flow Exhalation Valve
  - Patented one-way valve offers easy exhalation for cooler dry comfort.
- Cake-resistant filter media
  - Uniquely-designed filter layers reduce the caking of particles on the respirator surface.
  - Helps make the respirator breathe easier longer, which contributes to comfort, longer service life and increased savings.
- Faceseal
  - Contours easily to help provide a good seal.
  - Comfortable to wear.
- Lightweight construction
  - Promotes greater worker comfort.
- All filter design
  - Provides economical protection.
  - No spare parts to maintain.
  - Promotes easier communication.
- Adjustable noseclip
  - Helps provide a custom fit and secure seal.
  - Reduces the potential for eyewear fogging.
- Fully adjustable straps
  - A single tug helps provide a comfortable, secure fit.
- Suggested Applications
  - Welding
  - Brazing
  - Soldering
  - Torch cutting
  - Metal pouring
  - Grinding
  - Sanding
  - Sweeping
  - Bagging
  - Other dusty/hot operations
  - Foundry operations
  - Lab settings
  - Petrochemical operations
  - Undercoating



### Use For:

- Solids such as those from processing minerals, coal, iron ore, flour, and certain other substances.
- Liquid or non-oil based particles from sprays that do not also emit harmful vapors.
- Metal fumes produced from welding, cutting and other operations involving heating of metals.

### Do Not Use For:

Paint spray, oil aerosol, gases, asbestos or sandblasting. Aerosol and/or ozone concentrations that exceed 10 times the OSHA PEL, or applicable government regulations, whichever is lower. Do not use when concentrations of organic vapors exceed OSHA PEL or applicable government occupational exposure limits, whichever is lower. These respirators do not supply oxygen.

### Time Use Limitation:

If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the respirator.

### Ordering Information:

027-8214	
Respirators Per Box:	10
Respirators Per Case:	80

## 3M 8233 N100 Particulate Respirator

The 3M 8233 N100 Particulate Respirator is well suited for those who want NIOSH's highest rated filtration efficiency in a maintenance free respirator. It provides a minimum filter efficiency of 99.97% against non-oil based particles. This respirator is an excellent choice for lead abatement, pharmaceutical manufacturing, welding and work involving substance specific regulated particles excluding those containing oil aerosols and asbestos.

**The 8233 offers a number of benefits to you and your workers:**

- **Meets NIOSH 42 CFR 84 N100 requirements TC-84A-1298**
- **3M Cool Flow Exhalation Valve**  
-Patented one-way valve offers easy exhalation and cool, dry comfort.
- **Faceseal**  
- Comfortable to wear.  
- Contours easily to help provide a good seal.
- **Adjustable noseclip**  
- Helps provide a custom fit and secure seal.  
- Reduces the potential for eyewear fogging.
- **Lightweight construction**  
- Promotes greater worker comfort.  
- Contributes to increased wear time.
- **All filter design**  
- Provides economical protection.  
- No spare parts to maintain.  
- Promotes easier communication.

### Suggested Applications

- OSHA substance specific particle exposures
  - Lead
  - Cadmium
  - Arsenic
  - 4,4, — Methyleneedianiline (MDA)
- Pharmaceutical manufacturing
- Welding
- Brazing
- Soldering
- Torch cutting
- Metal pouring



**8233**

### Use For:

- Solids such as those from processing minerals, coal, iron ore, flour, and certain other substances.
- Liquid or non-oil based particles from sprays that do not also emit harmful vapors.
- Metal fumes produced from welding, cutting and other operations involving heating of metals.

### Do Not Use For:

Paint spray, oil aerosols, gases, vapors, asbestos or sandblasting. Aerosol concentrations that exceed 10 times the OSHA PEL, or applicable government regulations, whichever is lower. This respirator does not supply oxygen.

### Time Use Limitation:

If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the respirator.

**This respirator contains no components made from natural rubber latex.**

### Ordering Information:

027-8233	
Respirators Per Bag:	1
Respirators Per Case:	20

## 3M 8240 R95 Particulate Respirator

The 3M 8240 N95 Particulate Respirator is designed to help provide quality, reliable worker protection against certain oil and non-oil based particles. It is an excellent choice for those who have work environments that may contain oil aerosols. The 8240 offers a number of benefits to you and your workers.

- Meets NIOSH 42 CFR 84 R95 requirements.  
TC-84A-1350
- Excellent worker protection
  - Because they are comfortable to wear and easy to use, workers are quick to accept and use maintenance-free respirators, like the 8240.
- Lightweight construction
  - Promotes greater worker comfort
  - Contributes to increased wear time.
- All filter design
  - Provides economical protection.
  - No spare parts to clean and maintain.
  - Promotes easier communication.
- Collapse Resistant Shell
  - Increased durability
  - Reliable in most hot, humid conditions.
- M-noseclip
  - Adjusts easily with fewer pressure points and greater comfort.
  - Reduces the potential for eyewear fogging.
  - Helps provide a custom fit.

### Suggested Applications

- Grinding
- Sanding
- Sweeping
- Machining
- Other dusty/oily operations

### Use For:

Solids such as those from processing minerals, coal, iron ore, flour, and certain other substances.  
Liquid or oil based particles from sprays that do not also emit harmful vapors.



**8240**

### Do Not Use For:

Paint spray, gas, vapors, asbestos or sandblasting, aerosol concentrations that exceed 10 times the OSHA PEL, or applicable government regulations, whichever is lower. This respirator does not supply oxygen.

### Time Use Limitation

If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the respirator. If oil aerosols are present, time use may be limited to 8 hours of continuous or intermittent use.

**This respirator contains no components made from natural rubber latex.**

### Ordering Information:

027-8240	
Respirators Per Box:	20
Respirators Per Case:	120

## 3M 8246 R95 Particulate Respirator

### Nuisance Level Acid Gas Relief

The 3M 8246 R95 Particulate Respirator provides reliable worker protection against certain oil and non-oil based aerosol particles including those present with nuisance levels of acid gases such as sulphur dioxide, hydrogen fluoride and/or chlorine. This respirator offers a number of benefits to you and your workers:

- Meets NIOSH 42 CFR 84 R95 requirements.  
TC-84A-1350.
- Lightweight construction
  - Promotes greater worker comfort.
  - Contributes to increased wear time.
- All filter design
  - Provides economical protection.
  - No spare parts to maintain.
  - Promotes easier communication.
- Adjustable noseclip
  - Helps provide a custom fit and secure seal.
  - Reduces the potential for eyewear fogging.

### Suggested Applications

- Glass etching
- Chemical processing
- Paper processing
- Brewing operations
- Aluminum smelting

### Use For:

- Solids such as those from processing minerals, coal, iron ore, cotton, flour, and certain other substances.
- Liquid or oil based particles from sprays that do not also emit harmful vapors.
- Nuisance level acid gases such as Sulfur Dioxide, Hydrogen Fluoride and/or Chlorine.



**8246**

### Do Not Use For:

Paint spray, vapors, asbestos or sandblasting. Do not use when concentrations of acid gases exceed the OSHA PEL or applicable government occupational exposure limits, whichever is lower. This respirator does not supply oxygen. Aerosol concentrations that exceed 10 times the OSHA PEL, or applicable government regulations, whichever is lower.

### Time Use Limitation:

If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the respirator. If oil aerosols are present time use may be limited to 8 hours of continuous or intermittent use.

**This respirator contains no components made from natural rubber latex.**

### Ordering Information:

027-8246	
Respirators Per Box:	20
Respirators Per Case:	120

## 3M 8247 R95 Particulate Respirator

### Nuisance Level Organic Vapor Relief

The 3M 8247 R95 Particulate Respirator is designed to help provide reliable worker protection against certain oil and non-oil based particles including those present with nuisance levels of organic vapors such as solvents, degreasers, and resins.

This respirator offers a number of benefits to you and your workers:

- Meets NIOSH 42 CFR 84 R95 requirements  
TC-84A-1350
- **Lightweight construction**
  - Promotes greater worker comfort.
  - Contributes to increased wear time.
- **All filter design**
  - Provides economical protection.
  - No spare parts to clean and maintain.
  - Promotes easier communication.
- **Adjustable noseclip**
  - Helps provide a custom fit and secure seal.
  - Reduces the potential for eyewear fogging.

### Suggested Applications

- Foundry operations
- Lab settings
- Agriculture
- Petrochemical manufacturing
- Undercoating

### Use For:

- Solids such as those from processing minerals, coal, iron ore, cotton, flour, and certain other substances.
- Liquid or oil based particles from sprays that do not also emit harmful vapors.
- Nuisance level organic vapor relief.

### Do Not Use For:

Paint spray, gases, asbestos or sandblasting. Aerosol concentrations that exceed 10 times the OSHA PEL or applicable government regulations, whichever is lower. Do not use when concentrations of organic vapors exceed the OSHA PEL or applicable government occupational exposure limits, whichever is lower. This respirator does not supply oxygen.



### Time Use Limitation:

If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the respirator. If oil aerosols are present, time use may be limited to 8 hours of continuous or intermittent use.

**This respirator contains no components made from natural rubber latex.**

### Ordering Information:

027-8247	
Respirators Per Box:	20
Respirators Per Case:	120

## 3M 8271 R95 Particulate Respirator

The 3M 8271 P95 Particulate Respirator combines P-series versatility with exceptional comfort and fit. It is an excellent choice for those who have work environments that may contain oil aerosols.

This respirator offers a number of benefits to you and your workers:

- Meets NIOSH 42 CFR 84 P95 requirements. TC-84A-1166

- **3M Cool Flow Exhalation Valve**

- Patented one-way valve offers easy exhalation and cool, dry comfort.

- **M-noseclip**

- Adjusts easily with fewer pressure points and greater comfort.
- Reduces the potential for eyewear fogging.
- Helps provide a custom fit and secure seal.

- **Faceseal**

- Comfortable to wear.
- Conforms easily to help provide a good seal across a wide range of faces.

- **Lightweight construction**

- Promotes greater worker comfort.
- Contributes to increased wear time.

- **All filter design**

- Provides economical protection.
- No spare parts to clean and maintain.
- Promotes easier communication.

### Suggested Applications

- Grinding
- Sanding
- Sweeping
- Bagging
- Machining
- Other dusty/oily operations

### Use For:

- Solids such as those from processing minerals, coal, iron ore, cotton, flour, and certain other substances.
- Liquid or oil based particles from sprays that do not also emit harmful vapors.

### Do Not Use For:

Paint spray, gases, vapors, asbestos or sandblasting. Aerosol concentrations that exceed 10 times the OSHA PEL or applicable government regulations, whichever is lower. This respirator does not supply oxygen.



### Time Use Limitation:

If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the respirator. If used in environments containing only oil aerosols, dispose of respirator after 40 hours of use or 30 days, whichever is first.

**This respirator contains no components made from natural rubber latex.**

### Ordering Information:

027-8271

Respirators Per Box: 10

Respirators Per Case: 80

## 3M 8293 P100 Particulate Respirator

The 3M 8293 P100 Particulate Respirator is well suited for those who want NIOSH's highest rated filtration efficiency in a maintenance free respirator. It provides a minimum filter efficiency of 99.97% against oil and non-oil based particles. This respirator is an excellent choice for lead abatement, pharmaceutical manufacturing, welding and work involving substance specific regulated particles excluding those containing asbestos. It is an excellent choice for those who have work environments that may contain oil aerosols.

The 8293 offers a number of benefits to you and your workers:

- Meets NIOSH 42 CFR 84 P100 requirements. TC-84A-2561
- 3M Cool Flow Exhalation Valve
  - Patented one-way valve offers easy exhalation and cool, dry comfort.
- Face Seal
  - Comfortable to wear.
  - Contours easily to help provide a good seal.
- Adjustable noseclip
  - Helps provide a custom fit and secure seal.
  - Reduces the potential for eyewear fogging.
- Lightweight construction
  - Promotes greater worker comfort.
  - Contributes to increased wear time.
- All filter design
  - Provides economical protection.
  - No spare parts to maintain.
  - Promotes easier communication.

### Suggested Applications

- OSHA substance specific particle exposures
  - Lead
  - Cadmium
  - Arsenic
  - 4,4'— Methyleneedianiline (MDA)
- Pharmaceutical manufacturing
- Welding
- Brazing
- Soldering
- Torch cutting
- Metal pouring



### Use For:

- Solids such as those from processing minerals, coal, iron ore, flour, and other certain substances.
- Liquid or oil based particles from sprays that do not also emit harmful vapors.
- Metal fumes produced from welding, cutting and other operations involving heating of metals.
- Radioactive particulate material such as uranium and plutonium.

### Do Not Use For:

Paint spray, gases, vapors, asbestos or sandblasting. Aerosol concentrations that exceed 10 times the OSHA PEL, or applicable government regulations, whichever is lower. This respirator does not supply oxygen.

### Time Use Limitation:

If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the respirator. If used in environments containing only oil aerosols, dispose of respirator after 40 hours of use or 30 days, whichever is first.

### Ordering Information:

027-8293

Respirators Per Bag:

1

Respirators Per Case:

20

## 3M 8511 N95 Particulate Respirator

The 3M 8511 N95 Particulate Respirator is uniquely designed to help provide comfortable, reliable worker protection. It is ideally suited for work settings that involve heat, humidity, or long periods of wear.

This respirator offers a number of benefits to you and your workers:

- Meets NIOSH 42 CFR 84 N95 requirements TC-84A-1299
- 3M Cool Flow Exhalation Valve
  - Patented one-way valve offers easy exhalation and cool, dry comfort.
- M-noseclip
  - Adjusts easily for fewer pressure points and greater comfort.
  - Reduces the potential for eyewear fogging.
  - Helps provide a custom fit and secure seal.
- Lightweight construction
  - Promotes greater worker comfort.
  - Contributes to increased wear time.
- All filter design
  - Provides economical protection.
  - No spare parts to clean and maintain.
  - Promotes easier communication.

### Suggested Applications

- Grinding
- Sanding
- Sweeping
- Bagging
- Other dusty/hot operations

### Use For:

- Solids such as those from processing minerals, coal, iron ore, flour, and certain other substances.
- Liquid or non-oil based particles from sprays that do not also emit harmful vapors.



**8511**

### Do Not Use For:

Paint spray, oil aerosols Gases, vapors, asbestos or sandblasting. Aerosol concentrations that exceed 10 times the OSHA PEL or applicable government regulations, whichever is lower. This respirator does not supply oxygen.

**This respirator contains no components made from natural rubber latex.**

### Time Use Limitation:

If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the respirator.

### Ordering Information:

027-8511

Respirators Per Box: 10

Respirators Per Case: 80

## 3M 8512 N95 Particulate Respirator

The 3M 8512 N95 Particulate Respirator is designed for applications such as welding, soldering and other operations where metal fumes are present. The 8512 provides a minimum filter efficiency of 95% against non-oil based particles. This product's many features provide workers comfortable, durable respiratory protection.

- Meets NIOSH 42 CFR 84 N95 requirements  
TC-84A-0454
- 3M Cool Flow Exhalation Valve
  - Patented one-way valve offers easy exhalation and cool, dry comfort.
- Cake-resistant filter media
  - Uniquely-designed filter layers reduce the caking of particles on the respirator surface.
  - Helps make the respirator breathe easier longer, which contributes to longer service life and increased savings.
- Lightweight construction
  - Promotes greater worker comfort.
- All filter design
  - Provides economical protection.
  - No spare parts to maintain.
  - Promotes easier communication.
- Adjustable noseclip
  - Helps provide a custom fit and secure seal.
  - Reduces the potential for eyewear fogging.
- Fully adjustable straps
  - A single tug helps provide a comfortable, secure fit.

### Suggested Applications

- Welding
- Brazing
- Soldering
- Torch cutting
- Metal pouring
- Grinding
- Sanding
- Sweeping
- Bagging
- Other dusty/hot operations



### Use For:

- Solids such as those from processing minerals, coal, iron ore, flour, and certain other substances.
- Liquid or non-oil based particles from sprays that do not also emit harmful vapors.
- Metal fumes produced from welding, cutting and other operations involving heating of metals.

### Do Not Use For:

Paint spray, oil aerosols, gases, vapors, asbestos or sandblasting. Aerosol concentrations that exceed 10 times the OSHA PEL, or applicable government regulations, whichever is lower. This respirator does not supply oxygen.

### Time Use Limitation:

If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the respirator.

**This respirator contains no components made from natural rubber latex.**

### Ordering Information:

027-8512

Respirators Per Box:

10

Respirators Per Case:

80

## 3M 8514 N95 Particulate Respirator

The 3M 8214 N95 Particulate Respirator is designed for applications such as welding, soldering and other operations involving metal fumes including those with ozone and nuisance levels of organic vapors. The 8514 provides a minimum filter efficiency of 95% against non-oil based particles. This product's many features help provide workers comfortable, durable respiratory protection.

**Meets NIOSH 42 CFR 84 N95 requirements. TC-84A-0454**

- **3M Cool Flow Exhalation Valve**

- Patented one-way valve offers easy exhalation for cooler dry comfort.

- **Cake-resistant filter media**

- Uniquely-designed filter layers reduce the caking of particles on the respirator surface.  
- Helps make the respirator breathe easier longer, which contributes to comfort, longer service life and increased savings.

- **Lightweight construction**

- Promotes greater worker comfort.

- **All filter design**

- Provides economical protection.  
- No spare parts to maintain.  
- Promotes easier communication.

- **Adjustable noseclip**

- Helps provide a custom fit and secure seal.  
- Reduces the potential for eyewear fogging.

- **Fully adjustable straps**

- A single tug helps provide a comfortable, secure fit.

- **Suggested Applications**

- Welding
- Brazing
- Soldering
- Torch cutting
- Metal pouring
- Grinding
- Sanding
- Sweeping
- Bagging
- Other dusty/hot operations
- Foundry operations
- Lab settings
- Petrochemical operations
- Undercoating



**Use For:**

- Solids such as those from processing minerals, coal, iron ore, flour, and certain other substances.
- Liquid or non-oil based particles from sprays that do not also emit harmful vapors.
- Metal fumes produced from welding, cutting and other operations involving heating of metals.

**Do Not Use For:**

Paint spray, oil aerosol, gases, asbestos or sandblasting. Aerosol and/or ozone concentrations that exceed 10 times the OSHA PEL, or applicable government regulations, whichever is lower. Do not use when concentrations of organic vapors exceed the OSHA PEL or applicable government occupational exposure limits, whichever is lower. These respirators do not supply oxygen.

**Time Use Limitation:**

If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the respirator.

**Ordering Information:**

027-8514

Respirators Per Box:

10

Respirators Per Case:

80

## 3M 8576 P95 Particulate Respirator

### Nuisance Level Acid Gas Relief

The 3M 8576 P95 Particulate Respirator is designed to provide comfortable, reliable worker protection against certain oil and non-oil based aerosol particles including those present with nuisance levels of acid gases such as sulphur dioxide, hydrogen fluoride and/or chlorine.

An excellent choice for work settings that involve heat, humidity and long periods of wear.

**The 8576 offers a number of benefits to you and your workers:**

- Meets NIOSH 42 CFR 84 P95 requirements.TC-84A-1166
- 3M Cool Flow Exhalation Valve
  - Patented one-way valve for easy exhalation and cool, dry comfort.
- M-noseclip
  - Adjusts easily for fewer pressure points and greater comfort.
  - Reduces the potential for eyewear fogging.
  - Helps provide a custom fit and secure seal.
- Lightweight construction
  - Promotes greater worker comfort.
  - Contributes to increased wear time.
- All filter design
  - Provides economical protection.
  - No spare parts to clean and maintain.
  - Promotes easier communication.

### Suggested Applications

- Glass etching
- Chemical processing
- Paper processing
- Brewing operations
- Aluminum smelting

### Use For:

- Solids such as those from processing minerals, coal, iron ore, cotton, flour, and certain other substances.
- Liquid or oil based particles from sprays that do not also emit harmful vapors.
- Nuisance level acid gases such as Sulfur Dioxide, Hydrogen Fluoride and/or Chlorine.



### Do Not Use For:

Paint spray, vapors, asbestos or sandblasting. Do not use when concentrations of acid gases exceed the 051-IA PEL or applicable government occupational exposure limits, whichever is lower. Aerosol concentrations that exceed 10 times the OSHA PEL, or applicable government regulations whichever is lower. This respirator does not supply oxygen.

### Time Use Limitation:

If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the respirator. If used in environments containing only oil aerosols, dispose of respirator after 40 hours of use or 30 days, whichever is first.

**This respirator contains no components made from natural rubber latex.**

### Ordering Information:

027-8576

Respirators Per Box: 10

Respirators Per Case: 80

## 3M 8577 P95 Particulate Respirator

### Nuisance Level Organic Vapor Relief

The 3M 8577 P95 Particulate Respirator is designed to help provide comfortable, reliable worker protection against certain oil and non-oil based aerosol particles including those present with nuisance levels of organic vapors such as solvents, degreasers and resins.

An excellent choice for work settings involving heat, humidity, and long periods of wear. This respirator offers a number of benefits to you and your workers:

- Meets NIOSH 42 CFR 84 P95 requirements. TC-84A-1166
- 3M Cool Flow Exhalation Valve
  - Patented one-way valve offers easy exhalation and cool, dry comfort.
- M-noseclip
  - Adjusts easily for fewer pressure points and greater comfort.
  - Reduces the potential for eyewear fogging.
  - Helps provide a custom fit and secure seal.
- Lightweight construction
  - Promotes greater worker comfort.
  - Contributes to increased wear time.
- All filter design
  - Provides economical protection.
  - No spare parts to clean and maintain.
  - Promotes easier communication.

#### Suggested Applications

- Foundry operations
- Lab settings
- Agriculture
- Petrochemical manufacturing
- Undercoating

#### Use For:

- Solids such as those from processing minerals, coal, iron ore, cotton, flour, and certain other substances.
- Liquid or oil based particles from sprays that do not also emit harmful vapors.



8577

#### Do Not Use For:

Paint spray, gases, asbestos or sandblasting. Aerosol concentrations that exceed 10 times the OSHA PEL or applicable government regulations, whichever is lower. Do not use when concentrations of organic vapors exceed the OSHA PEL or applicable government occupational exposure limits, whichever is lower. This respirator does not supply oxygen.

#### Time Use Limitation:

If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the respirator. If used in environments containing only oil aerosols, dispose of respirator after 40 hours of use or 30 days, whichever is first.

**This respirator contains no components made from natural rubber latex.**

#### Ordering Information:

027-8577	
Respirators Per Box:	10
Respirators Per Case:	80

## 3M Particulate Filters

### 2071 P95 Particulate Filter

The 3M 2071 P95 Particulate Filter with advanced filtration technology has been developed with your respiratory needs in mind.

**The 2071 provides you and your workers:**

- Comfort.** 3M's advanced filter technology provides a lightweight, easy breathing combination not found in fiberglass containing filters.
- Versatile protection.** The 2071 is well suited for a wide range of oil and non-oil based particulate contaminants. This filter is ideal for grinding, welding, sanding, sawing, sweeping, bagging or as a prefilter for certain chemical exposures.
- Simplicity.** The versatility of this filter reduces your inventory and training requirements.
- Compatibility.** The 2071 can be used with 3M's wide variety of half and full facepieces.
- Durability.** The unique flexible filter resists abrasion and wetting.



#### Suggested Applications

- |            |                                |                 |
|------------|--------------------------------|-----------------|
| • Grinding | • Sweeping                     | • Welding       |
| • Welding  | • Bagging                      | • Torch cutting |
| • Sanding  | • Other dusty, oily operations | • Brazing       |
| • Sawing   |                                | • Soldering     |

#### Use For:

- Solids such as those from processing minerals, coal, iron ore, cotton, flour, and certain other substances.
- Liquid or oil based particles from sprays that do not also emit harmful vapors.
- Metal fumes produced from welding, brazing, cutting and other operations involving heating of metals.

#### Do Not Use For:

Gases and vapors including those present in paint spraying operations, unless combined with approved chemical cartridges. Asbestos. Sandblasting. This respirator filter does not supply oxygen. Concentrations that exceed 10 times the OSHA PEL, with a half facepiece, or 50 times the PEL with a full facepiece or applicable government regulations, whichever is lower.

#### Time Use Limitation:

If filter becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the filter. If used in environments containing only oil aerosols, dispose of filter after 40 hours of use or 30 days, whichever is first.

#### Ordering Information:

027-2071	2
Filters Per Bag:	100

### 2076HF P95 Particulate/Hydrogen Fluoride Cartridge with Nuisance Level Acid Gas Relief

The 3M 2076HF P95 Cartridge featuring 3M Advanced Electret Media has been developed with your respiratory needs in mind.



#### The 2076HF provides you and your workers:

- Comfort.** The uniquely designed 2076HF cartridge is lighter and easier to breathe through than competitive cartridge/filter combinations.
- Versatile protection.** The 2076HF is well suited for a wide range of oil and non-oil based particulate contaminants, hydrogen fluoride and nuisance levels of acid gases.
- Economy.** The 2076HF is attractively priced in comparison to filter/cartridge combinations.
- Simplicity.** With the versatility this P-series filter provides, your inventory and training requirements are reduced. The design makes the product easy for workers to use.
- Compatibility.** The 2076HF can be used with 3M's wide variety of half and full facepieces.
- Durability.** Unique flexible filter material enables the product to be worn in close quarters. Its rugged construction resists abrasion and wetting.

#### Suggested Applications

- Aluminum smelting
- Glass Etching
- Chemical manufacturing

#### Use For:

- Solids such as those from processing minerals, coal, iron ore, cotton, flour, and certain other substances.
- Liquid or oil based particles from sprays that do not also emit harmful vapors.
- Metal fumes produced from welding, brazing, cutting and other operations involving heating of metals.
- Hydrogen Fluoride gas up to 10 times PEL. Acid gases such as Sulfur Dioxide and/or Chlorine below the OSHA PEL or applicable government standards, whichever is lower.

## 3M Particulate Filters

### Do Not Use For:

Gases and vapors other than Hydrogen Fluoride, when concentrations exceed the OSHA PEL, or applicable government standards, whichever is lower, including those present in paint spray operations, unless combined with approved chemical cartridges. Asbestos. Sandblasting. This respirator cartridge does not supply oxygen. Concentrations that exceed 10 times the OSHA PEL with a half facepiece or 50 times the PEL with a full facepiece or applicable government regulations, whichever is lower.

### Time Use Limitation:

If respirator cartridge becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the respirator cartridge. If used in environments containing only oil aerosols, dispose of respirator cartridge after 40 hours of use or 30 days, whichever is first.

### Ordering Information:

027-2076HF

Cartridges Per Bag:

2

Cartridges Per Case:

100

## 2078 P95 Particulate Filter with Nuisance Level Acid Gas and Organic Vapor Relief

The 3M 2078 P95 Particulate Filter with 3M Advanced Electret Media technology has been developed with your respiratory needs in mind.



2078

### The 2078 provides you and your workers:

- **Comfort.** 3M's advanced filter technology provides a lightweight, easy breathing combination not found in fiberglass containing filters.
- **Versatile protection.** The 2078 is well suited for a wide range of oil and non-oil based particulate contaminants, as well as certain nuisance-level organic vapors and acid gases.
- **Simplicity.** The versatility of this filter reduces your inventory and training requirements. The design makes the product easy for workers to use.
- **Compatibility.** The 2078 can be used with 3M's wide variety of half and full facepieces.

- **Durability.** Unique flexible filter material enables the product to be worn in close quarters. Its rugged construction resists abrasion and wetting.
- **Economy.** The 2078, excellent for nuisance level odors, is priced considerably lower than filter/cartridge combinations.

### Suggested Applications

- Utilities operations
- Chemical manufacturing
- Welding
- Torch cutting
- Brazing
- Soldering
- Aluminum smelting

### Use For:

- Solids such as those from processing minerals, coal, iron ore, cotton, flour, and certain other substances.
- Liquid or oil based particles from sprays that do not also emit harmful vapors.
- Metal fumes produced from welding, brazing, cutting and other operations involving heating of metals.
- Gases such as Sulfur Dioxide, Hydrogen Fluoride and/or Chlorine below the OSHA PEL, or applicable government standards, whichever is lower. Organic vapors below the OSHA PEL, or applicable government regulations, whichever is lower.

### Do Not Use For:

Gases and vapors when concentrations exceed the OSHA PEL, or applicable government standards, whichever is lower, including those present in paint spray operations, unless combined with approved chemical cartridges. Asbestos. Sandblasting. This respirator filter does not supply oxygen. Concentrations that exceed 10 time the OSHA PEL, with a half facepiece or 50 times the PEL with a full facepiece or applicable government regulations, whichever is lower.

### Time Use Limitation:

If filter becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the filter. If used in environments containing only oil aerosols, dispose of filter after 40 hours of use or 30 days, whichever is fast.

### Ordering Information:

027-2078

Filters Per Bag:

2

Filters Per Case:

100

## 3M Particulate Filters

### 2091 P100 Particulate Filter

The 3M 2091 P100 Particulate Filter has been developed with your respiratory needs in mind.

**The 2091 provides you and your workers:**

- **Comfort.** 3M's Advanced Electret Media (AEM) provides a lightweight, easy breathing combination not found in fiberglass containing filters.
- **Versatile protection.** The 2091 is well suited for a wide range of oil and non-oil based particulate contaminants. Ideal for welding, metal pouring, torch cutting, abatement or as a prefilter for certain chemical exposures.
- **Simplicity.** The versatility of this filter reduces your inventory and training requirements.
- **Compatibility.** The 2091 can be used with 3M's wide variety of half and full facepiece designs.
- **Exceptional filter efficiency.** Passing NIOSH's P-series test criteria, the 2091 P100 filter provides a minimum 99.97% filter efficiency.
- **Durability.** The unique flexible filter material resists abrasion and wetting.
- **Economy.** The 2091 is priced competitively with other filters in its class.



2091

#### Suggested Applications

- Welding
- Brazing
- Torch cutting
- Metal pouring
- Soldering
- OSHA substance specific particle exposures:
  - Lead
  - Asbestos
  - Cadmium
  - Arsenic
  - 4,4'-Methylenedianiline (MDA)
- Pharmaceutical manufacturing

#### Use For:

- Solid such as those from processing minerals, coal, iron ore, cotton, flour, and certain other substances.
- Liquid or oil based particles from sprays that do not also emit harmful vapors.
- Metal fumes produced from welding, brazing, cutting and other operations involving heating of metals.
- Radioactive particulate materials such as uranium and plutonium.
- Asbestos.

#### Do Not Use For:

Gases and vapors, including those present in paint spray operations, unless combined with approved chemical cartridges. Sandblasting. Aerosol concentrations that exceed 10 times the OSHA PEL, with half facepiece, or 50 times the PEL with full facepiece: or applicable government regulations, whichever is lower. This respirator filter does not supply oxygen.

#### Time Use Limitation:

If filter becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the filter. If used in environments containing only oil aerosols, dispose of filter after 40 hours of use or 30 days, whichever is first.

#### Ordering Information:

027-2071	
Filters Per Box:	2
Filters Per Case:	100

### 2096 P100 Particulate Filter with Nuisance Level Acid Gas Relief

The 3M 2096 P100 Particulate Filter has been developed with your respiratory needs in mind.

Specially designed carbon layers remove nuisance levels of acid gases.

**The 2096 provides you and your workers:**

- **Comfort.** 3M's Advanced Electret Media (AEM) provides a lightweight, easy breathing combination not found in fiberglass containing filters.
- **Versatile protection.** The 2096 is well suited for a wide range of oil and non-oil based particulate contaminants. Ideal for utility operations, chemical manufacturing, aluminum smelting, welding, or as a prefilter for certain chemical exposures.
- **Simplicity.** The versatility of this filter reduces your inventory and training requirements.
- **Compatibility.** The 2096 can be used with 3M's wide variety of half and full facepiece designs.
- **Exceptional filter efficiency.** Passing NIOSH's P-series test criteria, the 2096 P100 filter provides a minimum 99.97% filter efficiency.
- **Durability.** The unique flexible filter material resists abrasion and wetting.



2096

# 3M Particulate Filters

## Suggested Applications

- Utility operations
- Chemical manufacturing
- Aluminum smelting
- OSHA substance specific particle exposures:
  - Lead abatement
  - Asbestos
  - Cadmium
  - Arsenic
  - 4,4,— Methyleneedianiline (MDA)
- Pharmaceutical manufacturing
- Welding
- Brazing
- Soldering
- Torch cutting
- Metal pouring

## Use For:

- Solids such as those from processing minerals, coal, iron ore, cotton, flour, and certain other substances.
- Liquid or oil based particles from sprays tat do not also emit harmful vapors.
- Metal fumes produced from welding brazing, cutting and other operations involving heating of metals.
- Radioactive particulate materials such as uranium and plutonium.
- Asbestos.
- Acid gases such as Sulfur Dioxide, Hydrogen Fluoride and/or Chlorine below the OSHA PEL or applicable government standards, whichever is lower.

## Do Not Use For:

Gases and vapors above the OSHA PEL, including those present in paint spraying operations, unless combined with approved chemical cartridges. Sandblasting. This respirator filter does not supply oxygen. Aerosol concentrations that exceed 10 times the OSHA PEL with a half facepiece or 50 times the PEL with a full facepiece; or applicable government regulations, whichever is lower.

## Time Use Limitation:

If filter becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the filter. If used in environments containing only oil aerosols, dispose of filter after 40 hours of use or 30 days, whichever is first.

## Ordering Information:

027-2096

Filters Per Bag:

2

Filters Per Case:

100

## 2097 P100 Particulate Filter with Nuisance Level Organic Vapor Relief

The 3M 2097 P100 Particulate Filter has been developed with your respiratory needs in mind.

Specially designed carbon layers remove nuisance levels of organic vapors.



## The 2097 provides you and your workers:

- **Comfort.** 3M's Advanced Electret Media (AEM) provides a lightweight, easy breathing combination not found in fiberglass containing filters.
- **Versatile protection.** The 2097 is well suited for a wide range of oil and non-oil based particulate contaminants. Ideal for welding, metal pouring, torch cutting, abatement or as a prefilter for certain chemical exposures.
- **Simplicity.** The versatility of this filter reduces, your inventory and training requirements.
- **Compatibility.** The 2097 can be used with 3M's wide variety of half and full facepiece designs
- **Exceptional filter efficiency.** Passing NIOSH's P-series test criteria, the 2097 P100 filter provides a minimum 99.97% filter efficiency.

## Suggested Applications

- Chemical manufacturing
- Undercoating
- Welding
- Brazing
- Soldering
- Torch cutting
- Metal pouring
- OSHA substance specific particle exposures:
  - Lead
  - Asbestos
  - Cadmium
  - Arsenic
  - 4,4,— Methyleneedianiline (MDA)
- Pharmaceutical manufacturing

## Use For:

- Solids such as those from processing minerals, coal, iron ore, cotton, flour, and certain other substances.
- Liquid or oil based particles from sprays tat do not also emit harmful vapors.
- Metal fumes produced from welding, brazing, cutting and other operations involving heating of metals.
- Radioactive particulate materials such as uranium and plutonium.
- Asbestos.

## 3M Particulate Filters

- Organic vapors below the OSHA PEL or applicable government standards, whichever is lower. 3M recommended for ozone protection up to 10 times the OSHA PEL.

### Do Not Use For:

Gases and vapors above the OSHA PEL, including those present in paint spraying operations, unless combined with approved chemical cartridges. Sandblasting. Aerosol concentrations that exceed 10 time the OSHA PEL, with a half facepiece, or 50 times the PEL with a full facepiece or applicable government regulations, whichever is lower. This respirator filter does not supply oxygen.

### Time Use Limitation:

If filter becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area and dispose of the filter. If used in environments containing only oil aerosols, dispose of filter after 40 hours of use or 30 days, whichever is first.

### Ordering Information:

027-2097

Filters Per Bag:

2

Filters Per Case:

100

### 5N11 and 7N11 N95 Particulate Filters

The 5N11 and the 7N11 N95 particulate filters are NIOSH certified and offer particulate protection against certain non-oil containing aerosols. Both the 5N11 and 7N11 provide a minimum filter efficiency of 95 %.



**5N11**

### 5N11 N95 Filter

For use on 3M 5000 Series Respirators and 6000 Series Cartridges with 501 Prefilter Retainer.



**501**

### 7N11 N95 Filter

For use on 3M 7000 Series Cartridges with 7287 Cartridge Retainer and N95

Prefilter. Also for use as N95 stand-alone particulate filter with 7289 Filter Retainer.

### Protection and Performance

- Advanced filter construction reduces linting, helping to ensure exacting results during painting and refinishing operations.
- Meets NIOSH 42 CFR 84 N95 requirements.
- Filter design helps prevent rapid clogging from non-oil paint aerosols.

### Comfort and Versatility

- Low-profile and light-weight design for improved comfort and worker acceptance.
- The 5N11 and 7N11 filters can be used with an assortment of facepieces, both in half facepiece and full facepiece configurations.

### Use For:

Solids and non-oil based particles including paint sprays (with appropriate cartridges).

### Do Not Use For:

Oil containing aerosols.

### Ordering Information:

027-5N11

Filters Per Box:

10

Filters Per Case:

100

## 3M Particulate Filters

### 5P71 P95 Particulate Filter

The 3M 5P71 P95 Particulate Filter offers simplicity and ease of use while helping to provide reliable worker protection against certain oil and non-oil containing aerosols. It passes NIOSH testing criteria providing a minimum filter efficiency of 95%.



**5P71**

For use on 3M 5000 Series Respirators and 6000 Series Cartridges with 501 Prefilter Retainer.

- **Meets NIOSH 42 CFR 84 P95 requirements.**
- P-series filter features Advanced Electret Media (AEM), appropriate for both oil and non-oil containing environments with extended time-use limitations.
- **Comfort and versatility.**  
Advanced electrostatically charged microfibers allow for a low-profile design and easier breathing filter. The 5P71 filters can be used with the 5000, 6000 and 7000 series in both half facepiece and full facepiece configurations.

#### Suggested Applications

- Spray painting
- Lacquering
- Petrochemical manufacturing
- Chemical manufacturing
- Paper processing
- Boat manufacturing
- Lab settings
- Pesticide spraying Agriculture

#### Use For:

- Oil and non-oil based particles including paint sprays and pesticides (with appropriate gas and vapor cartridges).

#### Do Not Use For:

- Asbestos, lead, cadmium, arsenic or sandblasting.
- Do not use above maximum use limitations established by OSHA or applicable government standards.

#### Ordering Information:

027-5P71

Filters Per Box: 10  
Filters Per Case: 100

### 7093 P100 Particulate Filter

The 3M 7093 P100 Particulate Filter helps provide workers with the protection they need from certain harmful particles, while offering them comfort, versatility and simplicity.



**7093**

#### Features/Benefits

- Meets NIOSH 42

#### CFR 84 P100 requirements.

- **Protection.** Helps provide protection against certain dusts, fumes, mists, radionuclides, and asbestos-containing dusts and mists.
- **Versatility.** Can be used with a variety of facepieces, both in half face and full face configurations. The 7093 filter is compatible with the 3M 6000 Series Half Mask Facepiece, the 3M 7000 Series Half Mask Facepiece with bayonet attachments and the 3M 7800 Full Facepiece equipped with 701 adapters.
- **Comfort.** Low profile, compact design helps provide workers with an improved field of vision. It is lightweight for enhanced comfort, longer wear and better acceptance.

#### Ordering Information:

027-7093

Filters Per Box: 10  
Filters Per Case: 100

## 3M 7000 Series Respirators

### Half and Full Facepiece Respirators 7000 Series

Interchangeable cartridges/filters for optimum protection

3M Half and Full Facepiece Respirators 7000 Series are designed to accommodate a wide variety of cartridges, filters and combinations. These are durable and proven respirators that can be used in many applications and provide maximum comfort, versatility and reliability.

#### Features/Benefits

- The half and full facepieces are each available in 3 sizes (small, medium, large) to comfortably fit many faces.
- Low-profile design of the facepiece and cartridges/filters improves visibility
- Half facepieces are available in rubber or silicone.
- Half facepieces have a four-point strap attachment with convenient front-strap adjustment.
- N95, P95 or P100 filters can be used in combination with extra large inhalation and exhalation valves for easier breathing.
- The full facepiece has double-flange face seal and six adjustable straps to help provide a secure fit.
- The full facepiece is available as an air purifying respirator or with a variety of positive pressure assemblies.



3M Series 7000+ Half Facepiece



3M Series 7800 Full Facepiece

#### 7000 Series Facepieces with Bayonet Attachment

(All filters, cartridges and retainers are sold separately)

##### Half Facepieces

7001	Small
7002	Medium
7003	Large

##### Full Facepieces

7800S	Small
7800M	Medium
7800L	Large

Filters and Accessories which can be used with 7000 Series Respirators with Bayonet Attachment

2071 P95 Filter

2076HF P95 Filter with hydrogen fluoride, nuisance level acid gas relief

2078 P95 Filter with nuisance level organic vapor and acid gas relief

2091 P100 Filter

2096 P100 Filter with nuisance level acid gas relief

2097 P100 Filter with nuisance level organic vapor relief



2071



2078



2096



2076HF



2091



2097

## 3M 7000 Series Respirators

7093	P100 Filter
5N11	N95 Filter (use with 501 filter retainer)
5P71	P95 Filter (use with 501 filter retainer)
501	Filter Retainer
502	Filter Adapter



6000 Series Cartridges which can be used with 7000 Series Full Facepieces

6001	Certain organic vapors
6002	Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen sulfide (escape only)
6003	Certain organic vapors, chlorine, hydrogen chloride and sulfur dioxide or hydrogen sulfide (escape only) or hydrogen fluoride
6004	Ammonia and methylamine
6005	Formaldehyde and certain organic vapors
6006	Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide (escape only), ammonia/ methylamine, formaldehyde or hydrogen fluoride
6009	Mercury vapor or chlorine gas
60921	P100/Certain organic vapors
60922	P100/Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen sulfide (escape only)
60923	P100/Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide (escape only) or hydrogen fluoride
60924	P100/Ammonia and methylamine
60925	P100/Formaldehyde and certain organic vapors
60926	P100/Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide (escape only), ammonia/ methylamine, formaldehyde or hydrogen fluoride
60929	P100/Mercury vapor or chlorine gas



7000 Series Facepieces for use with 7000 Series Filters/Cartridges

### Half Facepieces

7100	Small (Rubber)
7200	Medium (Rubber)
7300	Large (Rubber)
7100S	Small (Silicone)
7200S	Medium (Silicone)
7300S	Large (Silicone)



### Full Facepieces

7800S	Small
7800M	Medium
7800L	Large

## 3M 7000 Series Respirators

### 3M 7000 Series Cartridges

(Cannot be used with 7001, 7002, 7003 half facepieces)

7251	Certain organic vapors
7252	Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen sulfide (escape only)
7253	Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen fluoride
7254	Ammonia and methylamine
7275	Formaldehyde or certain organic vapors
7276	Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide (escape only) ammonia/methylamine, formaldehyde or hydrogen fluoride

### 7000 Series Filters and Retainers

7N11	N95 Filter (Can be used as stand-alone filter (with 7289 retainer) or as filter with cartridge (with 7287 retainer).)
7090	P100 Filter (Can be used as a stand-alone filter (with 7288 retainer) or as a filter with cartridge (with 7287 retainer).)
7287	Cartridge Retainer (Use with 7000 Series Cartridges alone or in combination with 7N11 and 7090 Filters)
7288	Filter Retainer (Use with 7090 Filter)
7289	Filter Retainer (Use with 7N11 Filter)

### 3M 7800S Full Facepiece Replacement Parts

701	Cartridge/Filter Adapter
6895	Inhalation Gasket
7282	Inhalation Valve
7283	Exhalation Valve
7881S	Nose Cup Assembly/Silicone
7882	Nose Cup Valve Assembly
7883	Neck Strap Assembly
7884	Lens
7885	Lens Frame Kit
7886	Removable DIN Connector
7887	Inhalation Valve Gasket
7890	Full Face Plug
7891	Cartridge Holder
7893S	Head Strap Assembly, Silicone
7894	Eyeglass Frame and Mount
7895	Speaking Diaphragm Kit
7899-25	Lens Cover (25 pack)
7899-100	Lens Cover (100 pack)
7914	Band Clamp
7915-5	Tyvek Shroud
7916-5	Breathing Room Assembly
7918	Exhalation Valve Cover
7925	Spectacle Kit
7931	Autodarkening Lens (Shade 9,10, 11, 12)
79813	Small Nose Cup Assembly/Silicone
7986	Tinted Lens Cover
7988	Welder's Face Shield, Autodarkening
7989	Full Facepiece Button
7993	Welder's Shroud
7994-5	Welder's Face Shield Retainer Spring
7995-10	Welder's Face Shield Chipping Window Gasket
7996-10	Welder's Face Shield Gasket
7997-100	Welders Face Shield Chipping Window
7998	Welder's Face Shield Kit
7999	Air Inlet Gasket
9891	Filter Holder with Gasket

## 3M 6000 Series Respirators

### Half and Full Facepiece Respirators 6000 Series

Unmatched performance and comfort  
3M Respirators 6000 Series provide low-maintenance and offer the user comfort and convenience coupled with the cost savings of a reusable respirator.

#### Features/Benefits

- Used with 3M Filters and Cartridges, these respirators are among the lightest available.
- The swept back design of the cartridges improves balance and visibility.
- 6000 series facepieces cost about half as much as typical reusable respirators.
- Remarkably comfortable, soft, lightweight facepiece and easy-to-adjust head straps.
- Reusable. Just dispose of the cartridges/filters when used to capacity.
- Can be disassembled, cleaned and reused
- NIOSH approved for negative pressure air purifying and positive pressure dual airline applications.
- Supplied with reclosable storage bag.
- The half and full facepieces are each available in 3 sizes (small, medium, large) to comfortably fit many faces.

The 6000 Series respirators can be used in dual airline mode:

- Available with both back mounted and front-mounted breathing tubes.
- Systems can be used in combination with the NIOSH 42 CFR 84 approved 3M 2000 Series Filters or 3M 6000 Series Cartridges and P100 Filter/Cartridge.
- Cartridge/filter connections provide negative and positive pressure capability in one respirator assembly
- Can be used on both high and low pressure systems.
- Wearer can disconnect and reconnect the airline hose at the air regulator. When the hose is disconnected, the system automatically changes to filters/cartridges for negative pressure protection – then back to positive pressure protection with a simple reconnection of the airline.
- Small diameter breathing tubes are simple to work with and easy to clean and decontaminate.



**3M Series 6000 Half Facepiece**

6100 Small      6200 Medium      6300 Large



**3M Series 6000 Full Facepiece**

6700 Small      6800 Medium      6900 Large

## 3M 6000 Series Respirators

### Half Facepieces

- 6100 Half Facepiece (Small)
- 6200 Half Facepiece (Medium)
- 6300 Half Facepiece (Large)



### Full Facepieces

- 6700 Full Facepiece (Small)
- 6800 Full Facepiece (Medium)
- 6900 Full Facepiece (Large)



### Filters and Accessories which can be used with the 6000 Series Face Masks

- 2071 P95 Filter
- 2076HF P95 Filter with hydrogen fluoride, nuisance level acid gas relief
- 2078 P95 Filter with nuisance level organic vapor acid gas relief
- 2091 P100 Filter
- 2096 P100 Filter with nuisance level acid gas relief
- 2097 P100 Filter with nuisance level organic vapor relief
- 7093 P100 Filter
- 5N11 N95 Filter (Use with 501 Filter Retainer)
- 5P71 P95 Filter (Use with 501 Filter Retainer)
- 501 Filter Retainer
- 502 Filter Adapter (Use with 2071, 2091, 7093 Filters)



### Cartridges which can be used with the 6000 Series Face Masks

- 6001 Certain organic vapors
- 6002 Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen sulfide (escape only)
- 6003 Certain organic vapors, chlorine, hydrogen chloride and sulfur dioxide or hydrogen sulfide (escape only) or hydrogen fluoride
- 6004 Ammonia and methylamine
- 6005 Formaldehyde and certain organic vapors
- 6006 Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide (escape only), ammonia/methylamine, formaldehyde or hydrogen fluoride
- 6009 Mercury vapor or chlorine gas
- 60921 P100/Certain organic vapors
- 60922 P100/Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen sulfide (escape only)
- 60923 P100/Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide (escape only) or hydrogen fluoride



## 3M 6000 Series Respirators

- 60924 P100/Ammonia and methylamine
- 60925 P100/Formaldehyde and certain organic vapors
- 60926 P100/Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide (escape only), ammonia/methylamine, formaldehyde or hydrogen fluoride
- 60929 P100/Mercury vapor or chlorine gas



**60924**

### Full Facepiece Replacement Parts and Accessories for the 6000 Series

#### Replacement Parts

- 7883 Neck Strap Assembly
- 6889 Exhalation Valve
- 6892 Center Adapter Assembly
- 6893 Inhalation Valve
- 6894 Nose Cup Assembly
- 6895 Inhalation Gasket
- 6897 Head Harness Assembly
- 6898 Lens Assembly
- 6899 Lens Frame Kit



**60925**

#### Accessories

- 6878 Spectacle Kit
- 6885 Face Shield Cover
- 6886 Tinted Lens Cover



**60926**

### Half Facepiece Replacement Parts 6000 Series Replacement Parts

- 6893 Inhalation Valve
- 6889 Exhalation Valve
- 6895 Inhalation Gasket



**60929**

### 6000 Series Conversion Kits

To complete a 3M Dual Airline Respirator System, select a facepiece, an adapter kit and an air supply hose. For example:  
6800 + SA-2000 + W-9435-I00 = complete system.

#### Accessories and replacement parts

SA-2000/SA-2000LP  
Standard Back-Mounted Adapter Kit  
Includes SA-2500 Breathing Tube, GVP-I27 Belt and SA-1009 Air Regulator or SA-1029 Connector (low pressure)

#### SA-2100/SA-2100LP

Combination Back-Mounted Adapter Kit  
Includes 2600 Breathing Tube, OVP-127 Bolt and SA-1009 Regulator or SA-1029 Connector (low pressure).  
Cartridges/Filters not included.

#### SA-1000/SA-1000LP

Standard Front-Mounted Adapter Kit  
Includes SA-1500 Breathing Tube, GVP-I27 Belt, and SA-1009 Regulator or SA-1029 Connector (low pressure)

#### SA-1100/SA-1100LP

Combination Front-Mounted Adapter Kit  
Includes SA-1600 Breathing Tube, GVP-127 Belt, and SA-1009 Regulator or SA-1029 Connector (low pressure).  
Cartridges/Filters not included.

## 3M 5000 Series Respirators

### Half Facepiece Respirators 5000 Series

#### Pre-Assembled for Convenience. Designed for Comfort.

3M Respirators 5000 Series are pre-assembled, have no spare parts and require no maintenance. They offer comfort, convenience and performance.

#### Features/Benefits

- Available in 3 sizes (small, medium, large) to comfortably fit many faces.
- Resealable storage bag helps keep respirator clean between uses.
- Low profile design provides wider field of vision and greater comfort while wearing goggles or glasses.
- Lightweight design coupled with cradle suspension helps relieve pressure on back of neck and bridge of nose.
- Can be combined with NIOSH P95 and P100 filters for oil and non-oil particles.
- For convenience and simplicity some respirators are packaged with either 3M Filters P95 or P100 along with the 3M Filter Retainers 501 or due 3M Filter Adapters 502.

### 3M 5000 Series Respirators

#### Product Number      NIOSH Approval

5101      Certain organic vapors

(Small)

5201

(Medium)

5301

(Large)

5102      Chlorine, hydrogen chloride,  
(Small)      and sulfur dioxide or chlorine

5202      dioxide or hydrogen

(Medium) sulfide (escape only)

5302

(Large)

5103      Certain organic  
(Small)      vapors, chlorine

5203      hydrogen chloride, and sulfur  
(Medium) dioxide or hydrogen sulfide

5303      (escape only) or  
(Large)      hydrogen fluoride

5104      Ammonia and methylamine  
(Small)

5204

(Medium)

5304

(Large)



**51P71**



**5301**



**5303**

## 3M 5000 Series Respirators

5105 Formaldehyde and  
(Small) certain organic vapors

5205

(Medium)

5305

(Large)

5106 Certain organic vapors,  
(Small) chlorine, hydrogen chloride,

5206 chlorine dioxide, sulfur

(Medium) dioxide, hydrogen sulfide

5306 (escape only) ammonia/

(Large) methylamine, formaldehyde  
or hydrogen fluoride



52P71

### 3M 5000 Series Respirator Packout Assemblies

Product Number NIOSH Approval

51P71 P95/Certain organic vapors

(Small)

52P71

(Medium)

53P71

(Large)

51911 P100/Certain organic vapors

(Small)

52911

(Medium)

53911

(Large)

51913 P100/Certain organic vapors, (Small)  
chlorine, hydrogen chloride,

52913 and sulfur dioxide or

(Medium) hydrogen sulfide (escape

53913 only) or hydrogen fluoride

(Large)

51916 P100/Certain organic vapors,  
(Small) chlorine, hydrogen chloride,

52916 chlorine dioxide, sulfur

(Medium) dioxide, hydrogen sulfide

53916 (escape only), ammonia/

(Large) methylamine, formaldehyde  
or hydrogen fluoride



52911



52913

### Filters and Accessories which can be used with the 5000 Series Facepieces

2071 P95 Filter

2091 P100 Filter

7093 P100 Filter

5N11 N95 Filter (Use with the 501 Filter  
Retainer)

5P71 P95 Filter (Use with the 501 Filter  
Retainer)

501 Filter Retainer

502 Filter Adapter (Use with the 2071,  
2091 and 7093 Filters)



501



5N11

## 3M Air-Mate HEPA PAPR Systems Matrix

### Headgear



**522-02-00R03**  
(Regular, White)  
**522-02-01R03**  
(Large, White)



**522-02-02R03**  
(Regular, Blue)  
**522-02-03R03**  
(Large, Blue)



**522-01-11R03**  
(Regular)  
**522-02-17R03**  
(Large)

### Breathing Tube



**008-00-14R01**

### HEPA PAPR Assembly



**231-01-30**

**231-01-30 Includes**

- Air Filter Unit 520-03-63R01
- Battery Pack 007-00-15R01
- **HEPA Filter 451-02-01R01**
- Nylon Belt 021-41-02R01
- Airflow Indicator 021-14-00R01

### Battery Charger



**520-01-61SGL**  
(Single Battery  
Unit)

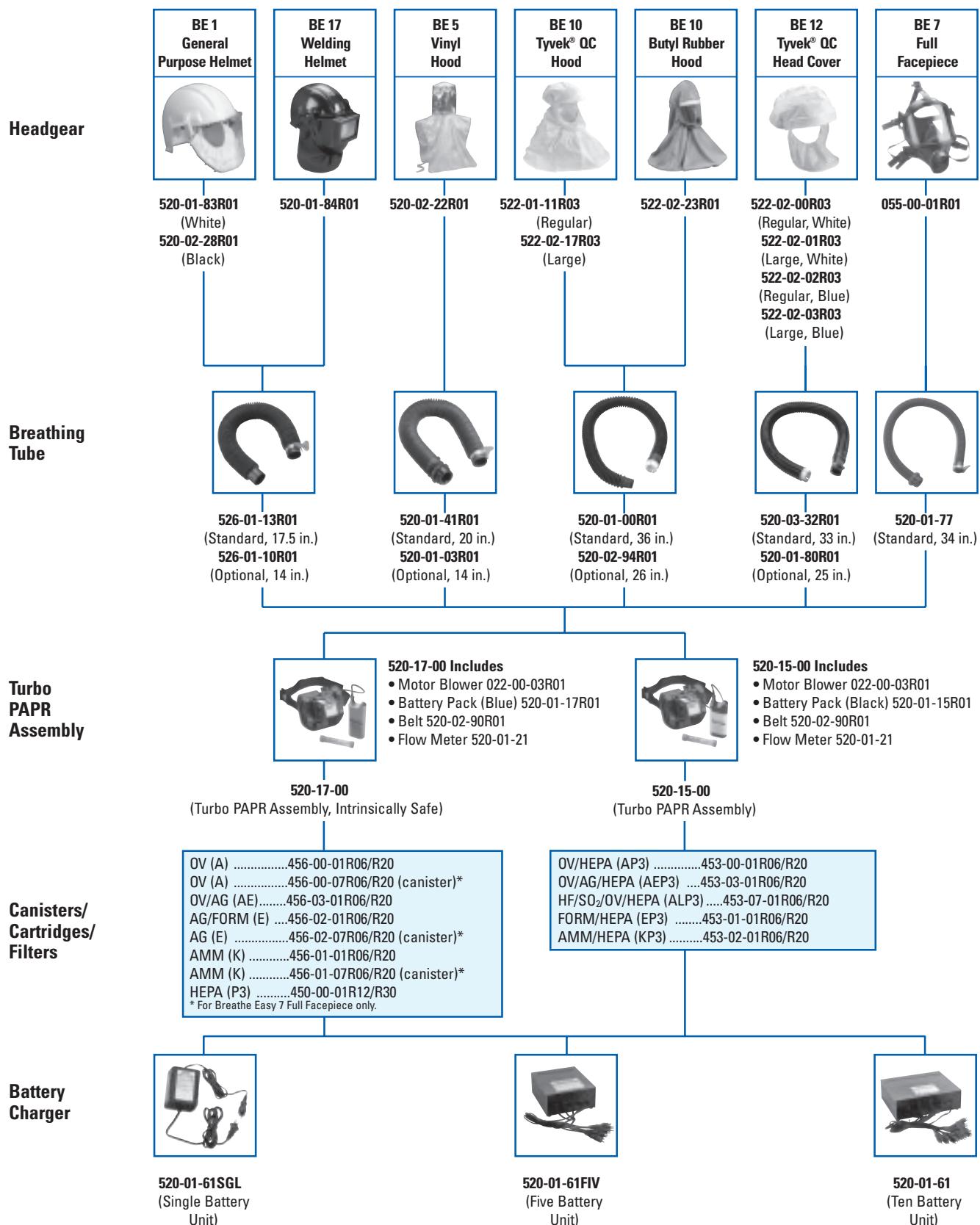


**520-01-61FIV**  
(Five Battery  
Unit)



**520-01-61**  
(Ten Battery  
Unit)

## 3M Breathe Easy PAPR Systems Matrix



## 3M Belt Mounted PAPR Systems Matrix

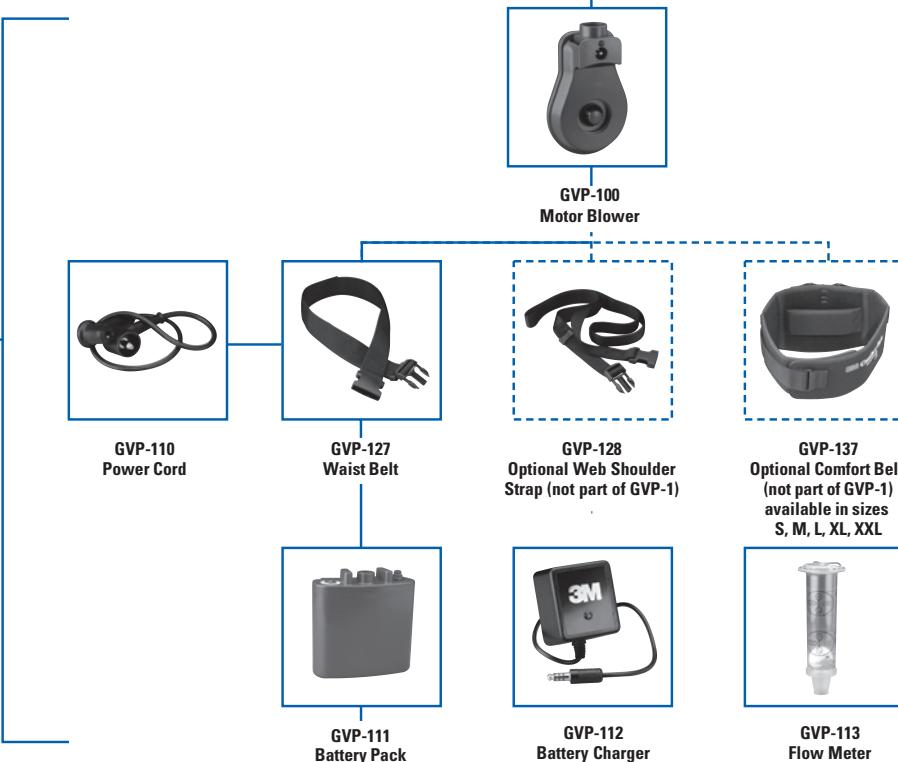
### Headgear



### Breathing Tube



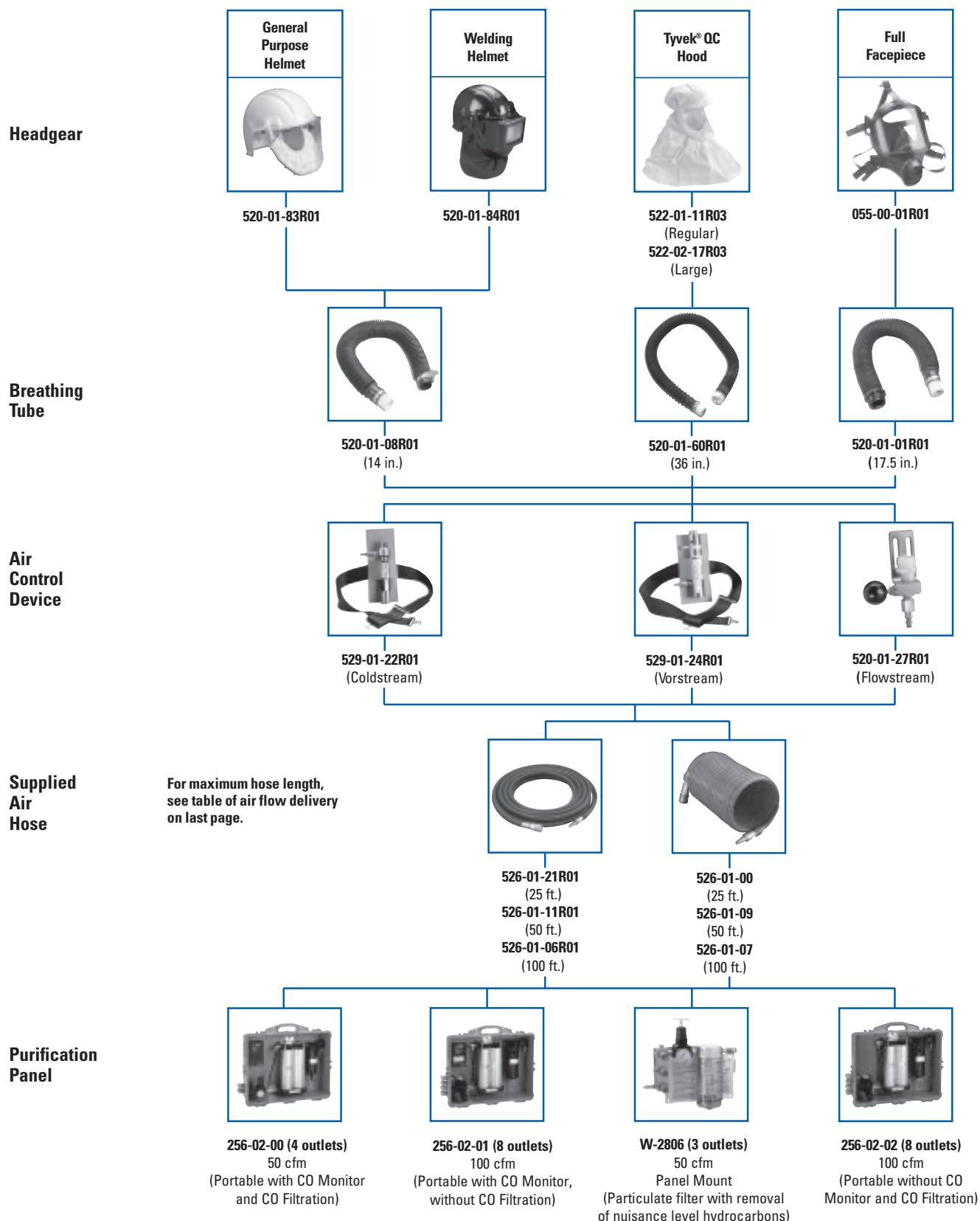
### Air Control Device



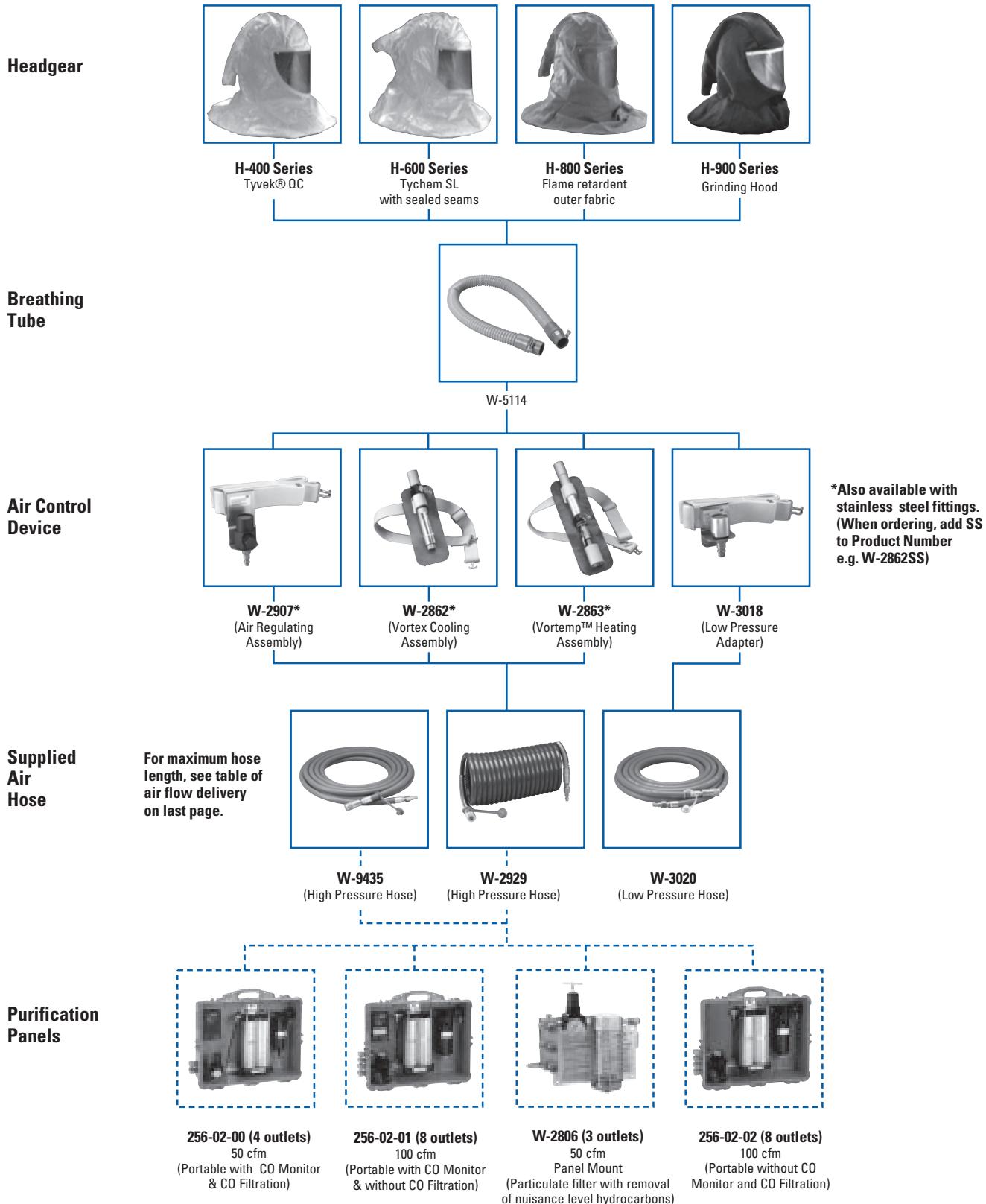
### Canisters/Cartridges/Filters

<b>GVP-401:</b> Organic Vapour	<b>GVP-441:</b> Organic Vapour/HEPA
<b>GVP-402:</b> Acid Gas	<b>GVP-442:</b> Acid Gas/HEPA
<b>GVP-403:</b> Organic Vapour/Acid Gas	<b>GVP-443:</b> Organic Vapour/Acid Gas/HEPA
<b>GVP-404:</b> Ammonia	<b>GVP-444:</b> Ammonia/HEPA
<b>GVP-405:</b> Formaldehyde	<b>GVP-445:</b> Formaldehyde/HEPA
<b>GVP-440:</b> HEPA	

## 3M Supplied Air Systems Matrix



## 3M H Series Supplied Air Systems Matrix



## 3M Supplied Air Systems Helmets Matrix

### Headgear



**W-8000  
General Purpose**



**W-8100  
Abrasive Blasting**



**W-8200B  
Welding**

### Breathing Tube



**W-8003**

Note: Helmet/hood, breathing tube, air control valve and compressed air supply hose are required parts in a NIOSH/MSHA approved system. Any NIOSH/MSHA certification appearing on 3M components is strictly limited to use in an approved air system and only in full accordance with the specifications and limitations under said approval. NIOSH certifies complete assemblies only, **not** sub-assemblies

### Air Control Device



**W-2907\***  
(Air Regulating Assembly)



**W-2862\***  
(Vortex Cooling Assembly)



**W-2863\***  
(Vortemp™ Heating Assembly)



**W-3018**  
(Low Pressure Adapter)

\*Also available with stainless steel fittings. (When ordering, add SS to Product Number e.g. W-2862SS)

### Supplied Air Hose

For maximum hose length, see table of air flow delivery on last page.



**W-9435\***  
(High Pressure Hose)



**W-2929\***  
(High Pressure Hose)

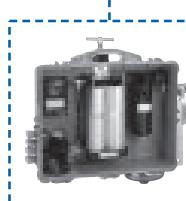


**W-3020**  
(Low Pressure Hose)

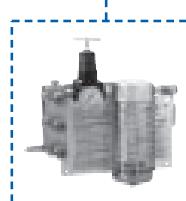
### Purification Panel



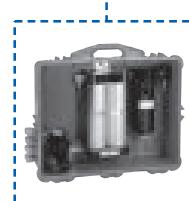
**256-02-00 (4 outlets)**  
50 cfm  
(Portable with CO Monitor and CO Filtration)



**256-02-01 (8 outlets)**  
100 cfm  
(Portable with CO Monitor, without CO Filtration)



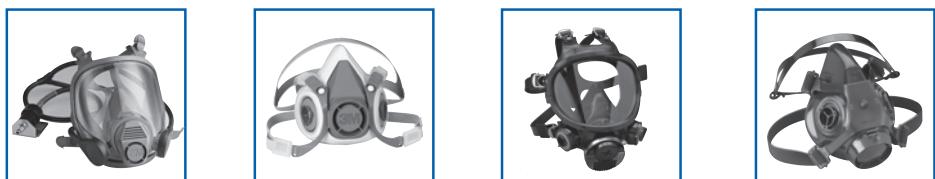
**W-2806 (3 outlets)**  
50 cfm  
Panel Mount  
(Particulate filter with removal of nuisance level hydrocarbons)



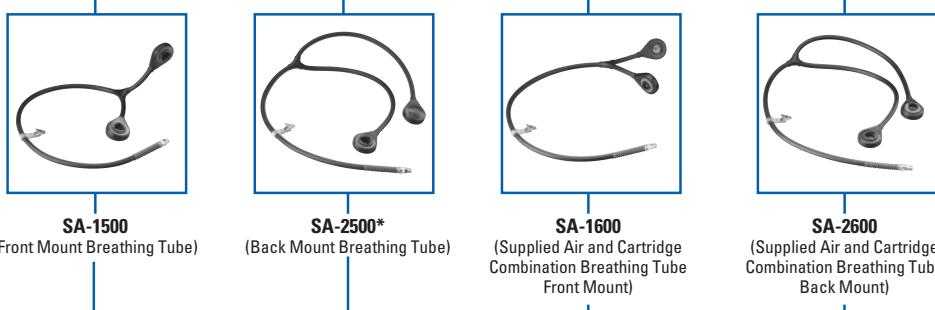
**256-02-02 (8 outlets)**  
100 cfm  
(Portable without CO Monitor and CO Filtration)

## 3M Dual Airline Respirators Systems Matrix

### Headgear



### Breathing Tube

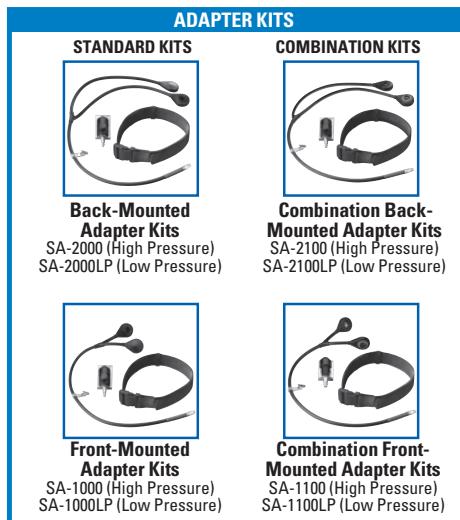


### Air Control Assemblies

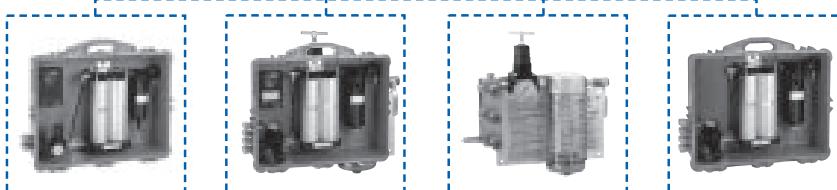


### Air Supply Hoses

For maximum hose length, see table of air flow delivery on last page.



### Purification Panels



**256-02-00 (4 outlets)**  
50 cfm  
(Portable with CO Monitor and CO Filtration)

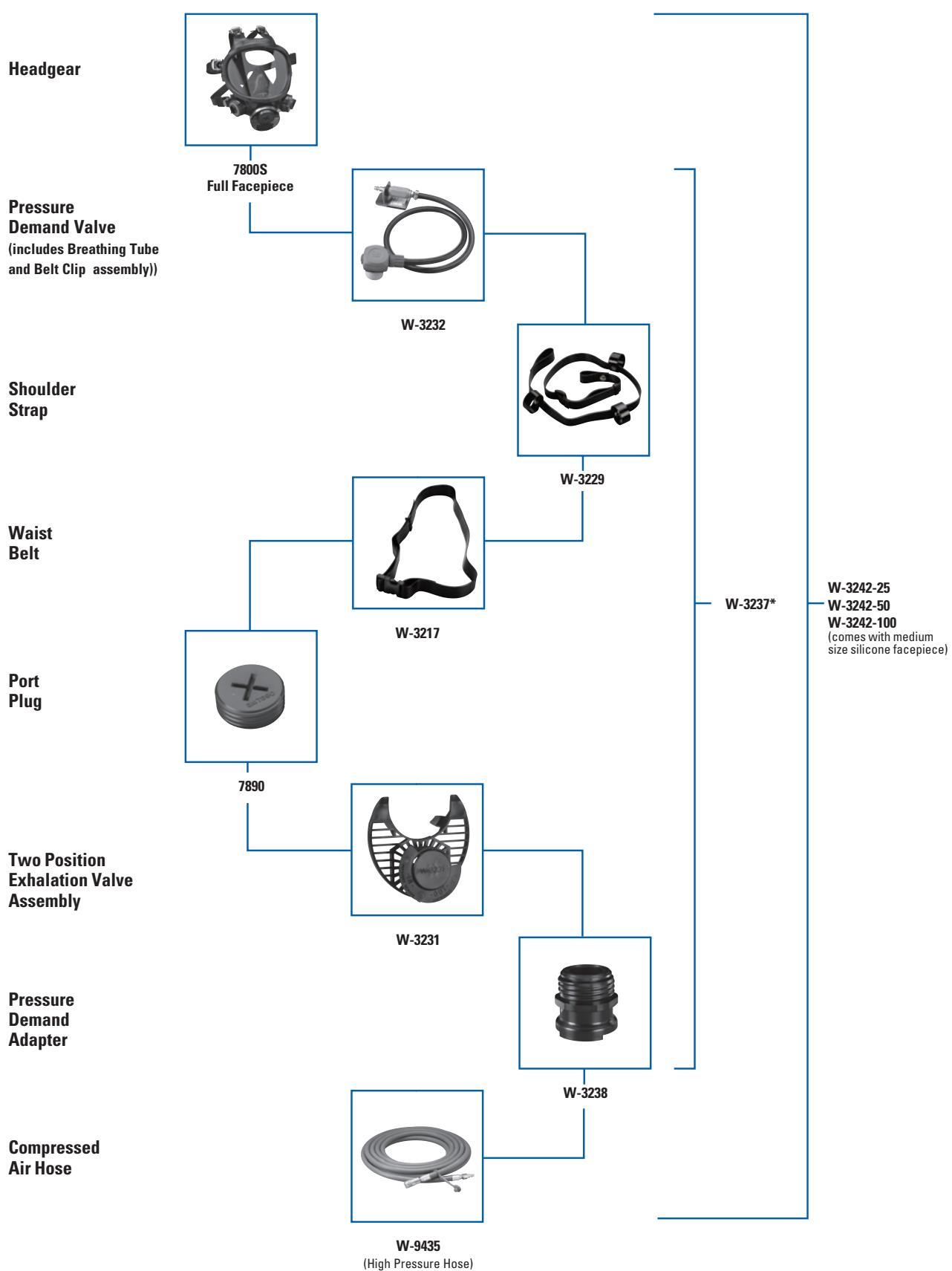
**256-02-01 (8 outlets)**  
100 cfm  
(Portable with CO Monitor, without CO Filtration)

**W-2806 (3 outlets)**  
50 cfm  
Panel Mount  
(Particulate filter with removal of nuisance level hydrocarbons)

**256-02-02 (8 outlets)**  
100 cfm  
(Portable without CO Monitor and CO Filtration)

\* Also available with stainless steel fittings.  
(When ordering, add SS to Product Number, e.g. SA-1007SS)

## 3M Pressure Demand Systems Matrix



## 3M Low Pressure Systems, Continuous Flow

### Headgear



**7800S**  
(Full Facepiece)  
available in S, M, L

**7998 (for passive lens)**  
**or**  
**7988 (for electronic lens)**  
Welder's Face Shield Kit

**7X00 Series**  
(Half Facepiece)

**W-3241**  
Half Facepiece Airline  
Conversion Kit

For continuous flow applications using supply pressure of 10 to 36 psi and W-9435 1/2" ID hose

For low pressure continuous flow tight fitting check valve airline applications

For continuous flow applications using supply pressure of 7 to 18 psi and W-3020 1/2" hose

### Air Control Kits



**W-3196**  
Air Regulator Kit.  
For use with W-9435 3/8" ID hose.  
Includes 1 each of the following:  
• W-3187 adapter assembly  
• W-3188 breathing tube  
• W-3194 low pressure connector  
• W-3217 waist belt  
• W-3229 shoulder strap  
• 7890 plug for facepiece port



**W-3497**  
Low Pressure Adapter Kit  
Includes 1 each of the following:  
• W-3187 adapter assembly  
• W-3188 breathing tube  
• W-3195 low pressure connector  
• W-3217 waist belt  
• W-3229 shoulder strap  
• 7890 plug for facepiece port



**W-3197**  
Low Pressure Air Regulating Kit  
For use with W-3032 1/2" ID hose.  
Includes 1 each of the following:  
• W-3187 adapter assembly  
• W-3188 breathing tube  
• W-3195 low pressure connector  
• W-3217 waist belt  
• W-3229 shoulder strap  
• 7890 plug for facepiece port

### Air Supply Hoses

For maximum hose length,  
see table of air flow delivery on  
last page.



**W-9435\***  
3/8" High Pressure Hose  
Available in 25', 50' 100' lengths



**W-2929**  
3/8" High Pressure Coiled Hose



**W-3020**  
1/2" Low Pressure Hose  
Available in 25', 50' 100' lengths

### Purification Panels



**256-02-00 (4 outlets)**  
50 cfm  
(Portable with CO Monitor  
and CO Filtration)



**256-02-01 (8 outlets)**  
100 cfm  
(Portable with CO Monitor,  
without CO Filtration)



**W-2806 (3 outlets)**  
50 cfm  
Panel Mount  
(Particulate filter with removal  
of nuisance level hydrocarbons)



**256-02-02 (8 outlets)**  
100 cfm  
(Portable without CO  
Monitor and CO Filtration)

\* Also available with stainless steel fittings.  
(When ordering, add SS to Product Number, e.g. SA-2500SS)

# 3M High Pressure Systems, Continuous Flow

## Headgear



**7800S**  
(Full Facepiece)  
available in S, M, L

**7998 (for passive lens)**  
**or**  
**7988 (for electronic lens)**  
Welder's Face Shield Kit

**7X00 Series**  
(Half Facepiece)

**W-3241**  
Half Facepiece Airline  
Conversion Kit

For continuous flow tight fitting  
or 7000 Series applications



**W-3061**  
Air Regulating Assembly  
Includes 1 each of the following:  
• W-3062 air regulating valve  
• W-3187 adapter  
• W-3188 breathing tube  
• W-3217 waist belt  
• W-3229 shoulder strap  
• 7980 plug for facepiece port

For continuous flow tight fitting  
check valve airline applications



**W-3461**  
High Pressure Air Regulator Kit  
Includes 1 each of the following:  
• W-2909CV air regulator valve  
• W-2963 waist belt  
• W-3264 breathing tube  
• 7890 plug for facepiece port

## Air Control Kits

## Air Supply Hoses

For maximum hose length, see table of air flow delivery on last page.



**W-9435\***  
1/2" High Pressure Hose



**W-2929**  
3/8" High Pressure Coiled Hose

\* Also available with stainless steel fittings. (When ordering, add SS to Product Number, e.g. SA-2500SS)

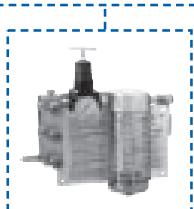
## Purification Panels



**256-02-00 (4 outlets)**  
50 cfm  
(Portable with CO Monitor and CO Filtration)



**256-02-01 (8 outlets)**  
100 cfm  
(Portable with CO Monitor, without CO Filtration)



**W-2806 (3 outlets)**  
50 cfm  
Panel Mount  
(Particulate filter with removal of nuisance level hydrocarbons)



**256-02-02 (8 outlets)**  
100 cfm  
(Portable without CO Monitor and CO Filtration)

# PARTICULATE FILTERS

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# & ACCESSORIES

Air Purifying Respirators with filters provide respiratory protection against aerosols by removing dusts, mists, fumes, fibers, and other particles. Filters do not remove gases or vapors, or correct for oxygen deficiency.

End of service life for filters is normally determined by the increase in breathing resistance sensed by the user. When it becomes difficult to breathe comfortably, the filters should be replaced. R95 filters are limited to a maximum of 8 hours use, when used in atmospheres containing oil.

**Particulate Filters**



Part#	Description
7580P100	P100 Particulate Filter – (99.97% Minimum Filter Efficiency)
75FFP100	P100 Particulate Filter (Pancake) – (99.97% Minimum Filter Efficiency)
7506N95	N95 Non-Oil Particulate Filter (95% Minimum Filter Efficiency)
7506N99	N99 Non-Oil Particulate Filter (99% Minimum Filter Efficiency)
7506R95	R95 Particulate Filter (95% Minimum Filter Efficiency)
7531N95	N95 Non-Oil Particulate Filter Assembly (95% Minimum Filter Efficiency) Includes 7506N95 Filter, N750027 Seal Check / Filter Cover and N750015 Filter Holder
7531N99	N99 Non-Oil Particulate Filter Assembly (99% Minimum Filter Efficiency) Includes 7506N99 Filter, N750027 Seal Check / Filter Cover and N750015 Filter Holder
7531R95	R95 Particulate Filter Assembly (95% Minimum Filter Efficiency) Includes 7506R95 Filter, N750027 Seal Check / Filter Cover and N750015 Filter Holder

**Accessories for Cartridges and Filters**



Part#	Description
N750015	Filter Holder for 7506N95, 7506N99 and 7506R95 filters. Requires N750027 Seal Check / Filter Cover.
N750027	Seal Check / Filter Cover for 7506N95, 7506N99 and 7506R95 filters. Attaches to Gas and Vapor cartridges. For filter use only, use N750015 Filter Holder.
N750029	Shower Cap for 7580P100 Filter. Protects filter during abatement using water or during decontamination.
N750035	Adapter for assembly of a 75FFP100 Pancake Filter to a gas and vapor cartridge (Except for Defender Multi-Purpose Cartridge)

## North: Respirators

# GAS & VAPOR CARTRIDGES

North offers an extensive line of gas and vapor cartridges and particulate filters to satisfy numerous industrial applications. All North cartridges and filters are approved with all North air-purifying half masks and full facepiece respirators. One line of cartridges and filters will simplify your inventory.

Air-Purifying Respirators with cartridges provide respiratory protection against gases and vapors by using sorbents to purify the inhaled air. Cartridges without filters do not remove dusts, fibers, and other particles.

End of service life for gas and vapor cartridges is determined by either:

- an end-of-service-life indicator (ESLI) certified by NIOSH, or
- the employer must implement a change schedule to ensure cartridges are changed before the end of their service life.

North Safety Products has developed cartridges with a REAL-TIME ESLI™ for Ammonia, Hydrogen Chloride, Hydrogen Fluoride, Sulfur Dioxide and Hydrogen Sulfide. Where an ESLI does not exist, North has developed the ezGuide™ software program designed to help the user develop change schedules for North gas and vapor cartridges. ezGuide will also determine the appropriate types of respiratory and hand protection required. See page 33 for more information.

### ***Gas & Vapor Cartridges and Combination Gas and Vapor Cartridges with P100 Particulate Filters***

<b>Part#</b>	<b>Color Code</b>	<b>Description</b>
75SC	Olive	Defender™ Multi-Purpose Cartridge for Organic Vapors, Chlorine, Hydrogen Chloride, Sulfur Dioxide, Hydrogen Sulfide (Escape) Hydrogen Fluoride, Chlorine Dioxide, Ammonia, Methylamine and Formaldehyde
75SCP100	Olive / Magenta	Above with P100 Particulate Filter (99.97% Minimum Filter Efficiency)
N75001	Black	Organic Vapor Cartridge
7581P100	Black / Magenta	Above with P100 Particulate Filter (99.97% Minimum Filter Efficiency)
N75002	White	Chlorine, Hydrogen Chloride, Sulfur Dioxide, Hydrogen Fluoride, Chlorine Dioxide, Formaldehyde Cartridge
7582P100	White / Magenta	Above with P100 Particulate Filter (99.97% Minimum Filter Efficiency)
N75003	Yellow	Organic Vapor, Chlorine, Hydrogen Chloride, Sulfur Dioxide, Hydrogen Fluoride, Chlorine Dioxide Cartridge
7583P100	Yellow / Magenta	Above with P100 Particulate Filter (99.97% Minimum Filter Efficiency)
N75004	Green	Ammonia, Methylamine Cartridge
7584P100	Green / Magenta	Above with P100 Particulate Filter (99.97% Minimum Filter Efficiency)
N750052	Olive	Mercury Vapor, Chlorine Cartridge with End-of Service-Life Indicator (ESLI for mercury vapor)
75852P100	Olive / Magenta	Above with P100 Particulate Filter (99.97% Minimum Filter Efficiency)
RT21	White	Hydrogen Chloride, Hydrogen Fluoride, Sulfure Dioxide and Hydrogen Sulfide Cartridge with REAL-TIME ESLI (End-of-Service-Life Indicator)
RT21P100	White / Magenta	Above with P100 Particulate Filter (99.97% Minimum Filter Efficiency)
RT41	Green	Ammonia Cartridge with REAL-TIME ESLI (End-of-Service-Life Indicator)
RT41P100	Green / Magenta	Above with P100 Particulate Filter (99.97% Minimum Filter Efficiency)

## North: Respirators

# HALFMASK AIR-PURIFYING RESPIRATOR

### 7700 SERIES SILICONE HALF MASK

The 7700 Series is the most comfortable and durable half mask available. Its soft non-allergenic silicone seal provides excellent protection, comfort and fit. The half mask cradle suspension system allows the facepiece to seal evenly on the face without creating pressure points. Its low profile gives workers a wide field of vision and does not interfere with protective eyewear. The low inhalation and exhalation resistance of the 7700 Series makes breathing easier to reduce worker fatigue.



770030L HALF MASK SHOWN  
WITH N75003 CARTRIDGES

#### **features and benefits**

- Silicone facepiece material conforms to facial features and doesn't harden with age. Silicone is easy to clean, extremely durable and resists distortion ensuring a better fit, time after time.
- Contoured sealing flange and cradle suspension system eliminates discomfort caused by pressure points on facial nerves. Design of nose area provides excellent comfort and fit.
- Minimal dead air space improves worker comfort by limiting re-breathing of exhaled air.
- Direct cartridge to facepiece seal minimizes replacement parts and simplifies maintenance.
- Three overlapping sizes will comfortably fit most users.
- North 7700 Series Half Masks are compatible with all North cartridges, filters and accessories.

Part#	Description	Packaging
770030S	7700 Series Half Mask (Small)	1 per package
770030M	7700 Series Half Mask (Medium)	1 per package
770030L	7700 Series Half Mask (Large)	1 per package

### CARRY BAG



This durable, belt-mounted carry bag can be used with any North Half Mask Respirator. Along with your North Half Mask Respirator, there is room for safety glasses, ear plugs, respirator wipes and other small items.

Part#	Description	Packaging
77BAG	Carrybag for Half Mask	1 per package

77BAG FOR HALF MASK

# AIR-PURIFYING RESPIRATOR

## 5500 SERIES Low MAINTENANCE HALF MASK



550030M HALF MASK SHOWN  
WITH 7580P100 CARTRIDGES

The North 5500 Series incorporates the comfortable and efficient design of the popular 7700 Series half mask with the low cost and convenience of a disposable. All parts are replaceable, extending the useful life of the respirator.

### features and benefits

- Made of an extremely soft non-allergenic elastomer for comfort and fit. Contoured sealing flange eliminates discomfort caused by pressure points on facial nerves. Design of nose area provides excellent comfort and fit.
- Low dead air space improves worker comfort by limiting re-breathing of exhaled air.
- Direct cartridge to facepiece seal minimizes replacement parts and simplifies maintenance.
- Three overlapping sizes comfortably fit most users.
- North 5500 Series Half Masks are compatible with all North cartridges, filters and accessories.

Part#	Description	Packaging
550030S	5500 Series Half Mask (Small)	1 per package
550030M	5500 Series Half Mask (Medium)	1 per package
550030L	5500 Series Half Mask (Large)	1 per package
77BAG	Carrybag for Half Mask	1 per package

## RESPIRATOR CONVENIENCE PACKS



MODEL 5501N95M

The 5500 Series is available in easy-to-order convenience packs. Convenience packs combine the most commonly used gas and vapor cartridges and/or particulate filters with the 5500 Series Half Mask, to form a complete respirator. See pages 16 and 17 for a description of gas and vapor cartridges and particulate filters.

Part#	Description	Packaging
5501 S, M, L	(2) N75001 cartridges	1 per package
5501N95 S, M, L	(2) N75001 cartridges, (2) 7506N95 filters, (2) N750027 filter covers	1 per package
5501R95 S, M, L	(2) N75001 cartridges, (2) 7506R95 filters, (2) N750027 filter covers	1 per package
5581P100 S, M, L	(2) 7581P100 cartridges	1 per package
5580P100 S, M, L	(2) 7580P100 filters	1 per package
5503 S, M, L	(2) N75003 cartridges	1 per package
5583P100 S, M, L	(2) 7583P100 cartridges	1 per package
55SCP100 S, M, L	(2) 75SCP100 cartridges	1 per package

## North: Respirators

# FULL FACEPIECE AIR-PURIFYING RESPIRATOR

### 7600 SERIES SILICONE FULL FACEPIECE



760008A FULL FACEPIECE SHOWN  
WITH 7584P100 CARTRIDGES

The 7600 Series Full Facepiece respirators are designed to provide eye, face and respiratory protection while ensuring optimal comfort and performance. Its dual flange silicone seal gives this facepiece superior fitting characteristics. The hard-coated polycarbonate lens provides over 200° field of vision and protects the wearer's eyes and face against irritating gases, vapors and flying particles. The lens also provides excellent optics, is scratch resistant and meets ANSI standards for impact and penetration resistance. The 7600 Series Full Facepiece sets the standard for full facepiece protection.

#### **features and benefits**

- Silicone facepiece material conforms to facial features and doesn't harden with age. Silicone is easy to clean, extremely durable and resists distortion, ensuring a better fit time after time.
- Oral nasal cup reduces fogging and lessens dead air space to improve worker comfort by limiting re-breathing of exhaled air.
- Speaking diaphragm makes communication easy.
- Five-strap harness provides an effective and comfortable facepiece to face seal.
- Chin cup helps to position the facepiece properly.
- Neck strap allows wearer to park respirator when not in use.
- Two overlapping sizes, small and medium/large, will comfortably fit most users.
- North 7600 Series Full Facepieces are compatible with all North cartridges, filters and accessories.

Part#	Description	Packaging
760008A	7600 Series Full Facepiece (Medium / Large)	1 per package
760008AS	7600 Series Full Facepiece (Small)	1 per package

### ACCESSORIES



#### *Accessories for the 7600 Series Full Facepiece*

Part#	Description	Packaging
80100	Eyeglass frame. Plastic, no lenses	1 per package
760023	Eyeglass frame. Metal, no lenses	1 per package
760024	Eyeglass frame. Metal, no lenses	1 per package
80836A	Peel-Away Windows (3 Windows per assembly)	5 per package
80944	Anti-fog Wipes	10 per package
76BAG	Carrybag for Full Facepiece	1 per package

## North: Respirators

# AIR-PURIFYING RESPIRATOR

### 5400 SERIES LOW MAINTENANCE FULL FACEPIECE



54001 FULL FACEPIECE SHOWN  
WITH 7581P100 CARTRIDGES

The 5400 Series provides the comfort and protection you would expect from North, at an unbeatable price. No other full facepiece in its price range offers such quality, engineering and attention to detail. Weighing only 14 ounces, the 5400's light-weight design offers a level of comfort that ensures greater worker acceptance. Plus, its facepiece seal is made from a soft, pliable elastomer material with high chemical resistance to assure excellent comfort, fit and performance.

#### **features and benefits**

- Each facepiece comes with three peel-away windows, six respirator wipes and a storage bag.
- Oral nasal cup reduces fogging and lessens dead air space to improve worker comfort by limiting re-breathing of exhaled air.
- Chin cup helps to position the facepiece properly.
- Hard-coated polycarbonate lens affords an over 200° field of vision, provides excellent optics, is scratch resistant and meets ANSI standards for impact and penetration resistance.
- Two overlapping sizes, small and medium/large, will comfortably fit most users.
- With many of the same components of the 7600 Series facepiece, replacement part inventory will be reduced.
- North 5400 Series Full Facepieces are compatible with all North cartridges, filters and accessories.

Part#	Description	Packaging
54001	5400 Series Full Facepiece (Medium/Large)	1 per package
54001S	5400 Series Full Facepiece (Small)	1 per package

### ACCESSORIES



76BAG FOR FULL FACEPIECE

#### **Accessories for 5400 Series Full Facepiece**

Part#	Description	Packaging
80100	Eyeglass frame. Plastic, no lenses	1 per package
760023	Eyeglass frame. Metal, no lenses	1 per package
80836A	Peel-Away Windows (3 Windows per assembly)	5 per package
80944	Anti-fog Wipes	10 per package
76BAG	Carrybag for Full Facepiece	1 per package

## North: Respirators

### FULL FACEPIECE WELDING RESPIRATORS



760008AW FULL FACEPIECE  
SHOWN WITH 7580P100 FILTERS



54001W FULL FACEPIECE  
SHOWN WITH 7580P100 FILTERS

The North Full Facepiece Welding Respirators have a welding shield constructed of a fire-resistant thermoplastic material, that can be lifted upward on a locking hinge for a wide-angle view of the work area. It is available as a complete respirator or as an attachment, to convert your existing North 7600 Series or 5400 Series Full Facepiece.

#### 7600 Series Full Facepiece

Part#	Description	Packaging
<b>Complete Respirator</b> 760008AW	7600 Series Full Facepiece with Welding Attachment (Medium / Large)	1 per package
760008ASW	7600 Series Full Facepiece with Welding Attachment (Small)	1 per package
<b>Attachment</b> 8404	Welding Attachment Assembly for 7600 Series Full Facepiece	1 per package

#### 5400 Series Full Facepiece

Part#	Description	Packaging
<b>Complete Respirator</b> 54001W	5400 Series Full Facepiece with Welding Attachment (Medium / Large)	1 per package
54001SW	5400 Series Full Facepiece with Welding Attachment (Small)	1 per package
<b>Attachment</b> 8405	Welding Attachment Assembly for 5400 Series Full Facepiece	1 per package

### BP1002 BACKPACK ADAPTER



BP1002 SHOWN WITH 7700 SERIES  
HALF MASK AND 7581P100 CARTRIDGES

The backpack adapter allows users to locate cartridges and filters out of the work zone, by placing them on the user's back. The BP1002 is easily adaptable to all North Full Facepiece and Half Mask air-purifying respirators, simply by attaching it to the facepiece cartridge connectors. It is ideal for tight or highly heated work places such as those encountered in welding operations. Think of it as an extension cord for your cartridges.

Part#	Description	Packaging
BP1002	Backpack Adapter*	1 per package

NOTE: Facepiece and Cartridges sold separately

### 7190N99 Low MAINTENANCE RESPIRATOR



7190N99  
PARTICULATE RESPIRATOR

For solids, such as welding fumes and non-oil particulates (99 % minimum filter efficiency). Fits easily under welding hoods. Replacement filters available.

Part#	Description	Packaging
7190N99	N99 Particulate Respirator	1 per package
719009N99	Replacement Filters for 7190N99	2 per package

## North: Respirators

# RESPIRATORS

### CF2000 SERIES CONTINUOUS FLOW AIRLINE RESPIRATOR\*



CF2007 SHOWN WITH  
76008A FACEPIECE

The CF2007 Interchangeable Breathing Tube easily converts an air-purifying respirator into a continuous flow respirator. It is easily adaptable to the North 5500, 7700, 5400, or 7600 Series air-purifying facepieces, simply by removing the cartridges and attaching the interchangeable breathing tube to the facepiece cartridge connectors. No modifications, tools or extra components are needed. Using common facepieces for air-purifying and supplied air applications will reduce inventory and maintenance costs. It will also simplify your respiratory training and compliance with OSHA requirements for annual fit testing.

Designed to rest on the user's back, out of the work zone and worker's way, the CF2000 Series breathing tube allows workers to function for long periods of time in toxic environments that are not Immediately Dangerous to Life or Health (IDLH) by supplying a continuous flow of breathing air. North quick-connect couplers and air supply hoses must be ordered separately.

#### features and benefits

- Utilizes North halfmask and full facepieces, giving the user the advantages of these industry-leading products.
- Its two-piece hose is engineered to be soft and flexible where it attaches to the facepiece, reducing strain on the face seal, while providing rugged protection against kinking and shut-off when exposed to the work area.
- Its durable, ergonomically designed control valve monitors air flow as required by the user.
- Its wide adjustable belt will not "cut" into worker's side when dragging an air supply hose.

Part#	Description	Packaging
CF2007	Includes interchangeable breathing tube, adjustable airflow valve and waist belt	1 per package

NOTE: Facepiece, quick connectors and air supply hoses sold separately

### 7800 SERIES COMBINATION CONTINUOUS FLOW AND AIR-PURIFYING RESPIRATOR\*



The 7800 Series is comprised of a continuous flow airline respirator approved for use with a variety of filters and / or cartridges including 7580P100 and 7581P100 cartridges. Two models are available with either belt mounted control valve or a fixed flow fitting.

Part#	Description	Packaging
78005 (Medium/Large) or 78005S (Small)	Full Facepiece Assembly with Breathing Tube and Fixed Flow Fitting	1 per package
78006 (Medium/Large) or 78006S (Small)	Full Facepiece Assembly with Breathing Tube and Adjustable Flow Control Valve	1 per package

NOTE: Cartridges / filters, quick connectors and air supply hoses sold separately



78005 SHOWN  
WITH 7581P100 FILTERS

## North: Respirators

# ESCAPE BREATHING APPARATUS

### MODEL 845, 850 AND 855 EEBA



North offers three models of Emergency Escape Breathing Apparatus (EEBA) in five and ten minute units. Model 845 provides an average of 42 lpm of airflow for five minutes, and the 850 provides 42 lpm for ten minutes. The Model 855 provides a higher average flow, 75 lpm, for five minutes, which is ideal where escape routes require high levels of exertion. The 855 also features a unique diffuser / muffler system to reduce noise inside the hood.

All models feature a transparent hood made of durable polyurethane for superior visibility. To minimize fogging, a deflector blows incoming air onto the lens. After use, the hood can be detached for replacement or cleaning. The cylinder is lightweight and refillable. An optional molded carrying case and wall-mounting bracket are also available.

#### features and benefits

- Pressure reducing valve with simplified design reduces repair costs and maintenance.
- Simple to use on / off valve with pressure gauge to easily test and check air cylinder pressure
- High visibility carrying bag and carrying strap system can be easily found in an emergency.
- Pictorial user instructions on bag are easy to understand in an emergency situation.



845 - SHOWN  
IN OPEN POSITION

Part#	Description	Packaging
845	Five Minute EEBA (Avg 42 lpm)	1 per package
850	Ten Minute EEBA (Avg 42 lpm)	1 per package
855	Five Minute EEBA, High Flow (Avg 75 lpm)	1 per package

### ACCESSORIES



89986 SHOWN  
WITH 845

Part#	Description	Packaging
89986	Wall mounting bracket for 845, 850 and 855	1 per package
89987	Molded carrying case for 850 and 855	1 per package
89992	Molded carrying case for 845	1 per package

## North: Respirators

### 800 SERIES SELF-CONTAINED BREATHING APPARATUS



822K

SCBA's provide the wearer with the highest level of respiratory protection available. Because the cylinders are worn on the back of the worker, the SCBA's are completely portable, enabling the worker the maximum mobility for crucial applications such as emergency response or rescue. The 800 Series utilizes the North soft silicone full facepiece design with dual sealing flange, oral / nasal cup and polycarbonate lens with greater than 200° field of vision.

#### **features and benefits**

- Utilizes either a thirty or sixty minute cylinder containing pressurized air which is delivered "on demand" to the facepiece.
- The reducer / regulator has only three moving parts, a "fail-open" design and protective housing.
- The demand valve is a "First Breath Release" design, and provides greater than 300 liters per minute upon peak inhalation.
- The Kevlar® / Nomex® / PBI® harness and back plate assembly is designed for comfort and proper weight distribution during the most rigorous jobs.
- A patented speaking diaphragm / exhalation valve assembly offers clear intelligible voice transmission.
- Comes equipped with a luminous pressure gauge, stainless steel whistle assembly and locking quick-connects.
- All 800 Series SCBA's include a carrying case. A wall mounting case can be purchased separately.

Part#	Description	Packaging
821K, SK (Small)	60 Minute SCBA, 4500 psi, Aluminum / Full Wrapped Cylinder	1 per package
822K, SK (Small)	30 Minute SCBA, 2216 psi, Aluminum Cylinder	1 per package
823K, SK (Small)	30 Minute SCBA, 2216 psi, Aluminum / Hoop Wrapped Cylinder	1 per package

\* Kevlar and Nomex are registered trademarks of Dupont Company.

\*\* PBI is a Registered trademark of Hoechst Celanese Company Corp.

### MODEL 832 SELF-CONTAINED BREATHING APPARATUS



832

Model 832 SCBA is a low cost and worry free unit designed specifically for use in non-fire emergency situations, for egress from a contaminated area, or for clean up of chemical / toxic spills and accidents. It is easy to use, easy to maintain and extremely durable.

The Model 832 utilizes the North soft silicone full facepiece design. The reducer / regulator has only three moving parts, a "fail-open" design and protective housing. Its comfortable and adjustable polypropylene harness system and ergonomically designed aluminum back plate provides user comfort and ease of adjustment. Carrying case can be purchased separately.

Part#	Description	Packaging
832, S (Small)	30 Minute SCBA, 2216 psi, Aluminum Cylinder	1 per package

### CYLINDERS AND ACCESSORIES



83219

Part#	Description	Packaging
80021	30 Minute Low Pressure (2216 psi) Aluminum Cylinder, 45 cu. Ft. Capacity	1 per package
80022	30 Minute Low Pressure (2216 psi) Aluminum / Hoop Wrapped Cylinder, 45 cu. Ft. Capacity	1 per package
80032	60 Minute High Pressure (4500 psi) Aluminum / Full Wrapped Cylinder, 88 cu. Ft. Capacity	1 per package
83219	Deluxe Wall Case with shelf and single SCBA cylinder bracket (20" X 13" X 32.5", 10 lb)	1 per package
80994	Wall and Truck Mounting Bracket for SCBA	1 per package
80993	Molded carrying case for SCBA (included with 800 Series SCBA)	1 per package
80060	Airline Accessory for 800 Series – allows the SCBA to be used as an emergency escape device and a Pressure Demand Airline Respirator	1 per package

## North: Respirators

### AIRLINE HOSES & QUICK CONNECT COUPLERS

North hoses are available for both 3/8" I.D. and 1/2" I.D. in 12 1/2', 25', 50', and 100' lengths. North offers Hansen, Schrader and Snap-Tite Quick Connect Couplers for connecting the hose to the facepiece or breathing hood, and the air source.

#### **Air Supply Hoses**

Part#	Description
886012	12 1/2 ft. Air Hose, 3/8" I.D.
886025	25 ft. Air Hose, 3/8" I.D.
886050	50 ft. Air Hose, 3/8" I.D.
886100	100 ft. Air Hose, 3/8" I.D.
888012	12 1/2 ft. Air Hose, 1/2" I.D.
888025	25 ft. Air Hose, 1/2" I.D.
888050	50 ft. Air Hose, 1/2" I.D.
888100	100 ft. Air Hose, 1/2" I.D.

#### **Quick Connect Couplers for Connecting Air Supply Hose to Hood or Facepiece**

Description	Hansen	Snap-Tite	Schrader
Male plug with bushing for 3/8" NPT thread	880161H	880161ST	880161S
Female coupler for 3/8" I.D. Hose	880040H	880040ST	880040S
Female coupler for 1/2" I.D. Hose	880060H	880060ST	880060S
Coupler assembly for 3/8" I.D. Hose	88600H	88600ST	88600S
Coupler assembly for 1/2" I.D. Hose	88800H	88800ST	88800S

#### **Quick Connect Couplers for Connecting Air Supply Hose to Air Source**

Description	Hansen	Snap-Tite	Schrader
Male plug, for connecting to 3/8" I.D. Hose	880141H	880141ST	880141S
Male plug with bushing , for connecting to 1/2" I.D. Hose	880161H	880161ST	880161S
<b>To attach coupler to air source</b>			
Female coupler for air source with 1/4" NPT male thread	880040H	880040ST	880040S
Female coupler for air source with 1/4" NPT female thread	880041H	880041ST	880041S
Female coupler for air source with 3/8" NPT male thread	880060H	880060ST	880060S
Female coupler for air source with 3/8" NPT female thread	880061H	880061ST	880061S

#### **Hose Assemblies to combine 3/8" I.D. Hose with coupler assembly for connecting the air supply hose to hood or facepiece**

Description	Hansen	Snap-Tite	Schrader
12 1/2 ft. Air Hose, 3/8" I.D.	886012H	886012ST	886012S
25 ft. Air Hose, 3/8" I.D.	886025H	886012ST	886012S
50 ft. Air Hose, 3/8" I.D.	886050H	886050ST	886050S
100 ft. Air Hose, 3/8" I.D.	886100H	886100ST	886100S

warning: If more than one hose is required, join the hoses together. Do not use couplers between hose lengths. Only one 12 1/2 ft. or 25 ft. length of hose should be used in combination with any hose length to a maximum of 300 ft. OSHA requires that couplers not be interchangeable with any couplers used for non-breathing air or gas systems.

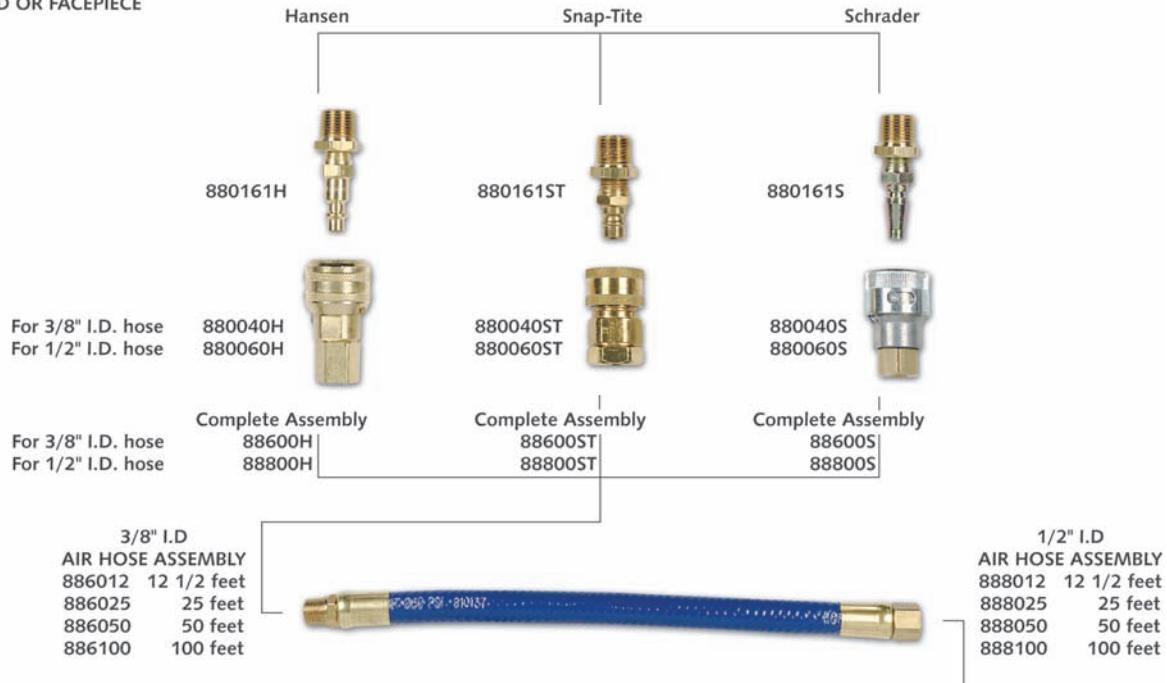
## North: Respirators

# **AIRLINE HOSES**

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## AND QUICK-CONNECT COUPLERS

**QUICK CONNECT COUPLERS FOR  
CONNECTING THE AIR SUPPLY HOSE  
TO HOOD OR FACEPIECE**



**QUICK CONNECT COUPLERS FOR  
CONNECTING THE AIR SUPPLY  
HOSE TO THE AIR SOURCE**



**NOTE:** • Components above dashed line are required for NIOSH Approved Respirator  
 • Components below line are optional  
 • 3/8" I.D. hoses have 1/4" NPT thread and 1/2" hoses have 3/8" NPT thread.

**WARNING:** • OSHA requires that couplers not be interchanged with any couplers used for non-breathing air systems.  
 • Use of couplers between hose lengths voids NIOSH approval  
 Reference: OSHA Safety and Health Standard for Respiratory Protection 29CFR§1910.134

## North: Respirators

### 85400A AND 85500A SERIES PRESSURE DEMAND AIRLINE RESPIRATORS\*



The 85400A and 85500A Series are full facepiece pressure demand supplied air respirators. Both Series feature the popular North silicone full facepiece for comfort and fit. The manifold assembly features two inlet ports, allowing the worker to connect to a second air source before disconnecting from the first.

The 85400A is designed for use in atmospheres that are not immediately dangerous to life and health (non IDLH). The 85500A Series is equipped with low profile emergency escape air cylinder(s), making it ideal for escape in tight spaces. Cylinders are available for either 5-minute or 10-minute configurations, and may be used in IDLH atmospheres.

#### **features and benefits**

- Unique speaking diaphragm/ exhalation valve assembly offers clear communication.
- First breath demand valve with purge button prevents wearer from operating in a demand mode and makes it easier to put on the facepiece.
- May be used without emergency escape cylinder, or with 5-minute or 10-minute cylinder configurations for versatility on the job.



	<b>Part#</b>	<b>Description</b>	<b>Packaging</b>
85525	85401 (Medium/Large) or 85401S (Small)	PDAR with standard harness	1 per package
	85505 (Medium/Large) or 85505S (Small)	PDAR with <b>ONE</b> 5 Minute Egress Air cylinder and standard harness	1 per package
	85510 (Medium/Large) or 85510S (Small)	PDAR with <b>TWO</b> 5 Minute Egress Air cylinders and standard harness	1 per package
	85525	5 Minute Emergency Escape Cylinder for 85500 Series	1 per package

NOTE: Quick connectors and air supply hoses sold separately

### 85700 SERIES COMBINATION PDAR AND AIR-PURIFYING RESPIRATOR\*

85785 FULL FACEPIECE SHOWN WITH 7580P100 CARTRIDGES



The 85700 Series is a combination of a Type C pressure demand supplied-air respirator and an air-purifying particulate filter respirator specifically designed for use in atmospheres containing particulate matter where an airline is used, but where escape can be accomplished using an air-purifying respirator. Approved with 7580P100 cartridges only.

	<b>Part#</b>	<b>Description</b>	<b>Packaging</b>
	85785	Full facepiece with cartridge connectors (Medium/Large)	1 per package
	85785S	Full facepiece with cartridge connectors (Small)	1 per package

NOTE: Filters, quick connectors and air supply hoses sold separately

## North: Respirators

### 85300 SERIES CONTINUOUS FLOW AIRLINE HOOD RESPIRATOR\*



The 85300 Series assures the wearer superior comfort, clear vision and excellent mobility. It offers excellent protection against airborne contaminants in a variety of applications including spray painting, abatement, pharmaceutical manufacturing and chemical handling.

Replacement hoods are available in Tyvek®\* fabric and a Saranex®\*\* coated Tyvek in regular and extended bib. Replacement hoods, peel-away cover lenses and North quick-connect couplers and air supply hoses must be ordered separately.

#### features and benefits

- The headgear ratchet assembly easily adjusts for personal comfort and fit.
- Airline hoods are lightweight, quiet and easily fit over facial hair and eye glasses for greater comfort and better worker acceptance.
- The breathing tube is non-kinking to reduce the chance of collapse or air restriction.
- Non-fogging lens offers a wide field of view and a clear view of the work zone.
- Disposable hoods and the peel away cover lens will reduce cleaning and maintenance costs.

**Airline hood assembly including hood, ratchet suspension, breathing tube and waist belt.**

Part#	Description	Packaging
85301T	With Tyvek® hood	1 per package
85301TB	With Tyvek® hood, bibbed	1 per package
85301S	With Saranex coated hood	1 per package
85301SB	With Saranex coated hood, bibbed	1 per package

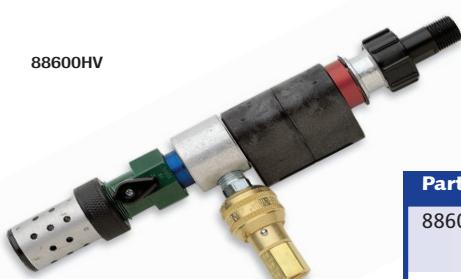
#### Replacement hoods

Part#	Description	Packaging
85301TA	For 85301T, Tyvek	10 per package
85301TBA	For 85301TB Tyvek, bibbed	10 per package
85301SA	For 85301S Saranex coated Tyvek	10 per package
85301SBA	For 85301SB Saranex coated Tyvek, bibbed	10 per package

NOTE: Quick connectors and air supply hoses sold separately

### VORTEX TUBE FOR 85300 SERIES HOOD RESPIRATOR

88600HV



The vortex tube provides greater comfort to the worker by cooling or warming the breathing air. It is color coded and simple to use. Air temperature can be adjusted to warm or cool the air by plus or minus 30°F. The vortex tube comes pre-assembled with Hansen (HV), Schrader (SV) or Snap-Tite (STV) couplers. For use with 85300 Hoods for either heating or cooling.

Part#	Description	Packaging
88600 HV, SV, STV	Vortex tube with Hansen (HV), Schrader (SV) or Snap-Tite (STV) Couplers for 3/8" hose	1 per package
88800 HV, SV, STV	Vortex tube with Hansen (HV), Schrader (SV) or Snap-Tite (STV) Couplers for 1/2" hose	1 per package

\* NOMEX® is a registered trademark of E.I. DuPont de Nemours and Company. E.I. DuPont Canada Inc. is a licensee.

\*\* SARANEX® is a registered trademark of Don Chemical Company.

## North: Respirators

### EMERGENCY ESCAPE MOUTHPIECE RESPIRATOR



The 7902 emergency escape mouthpiece respirator is approved for protection during escape only from atmospheres containing Chlorine, Hydrogen Chloride, Hydrogen Sulfide, Chlorine Dioxide and Sulfur Dioxide. The 7904 is approved for respiratory protection during escape only from atmospheres containing Ammonia.

Part#	Description	Packaging
7902	Emergency Escape Mouthpiece Respirator	1 per package
7904	Emergency Escape Mouthpiece Respirator	1 per package
79BAG	Carrybag for Mouthpiece Respirator	1 per package

### QUALITATIVE FIT TEST KITS



770040

A choice of two portable fit test kits are available for testing employees that wear air-purifying respirators. Used properly, these kits will keep you in compliance with OSHA regulations for qualitative fit testing. The irritant smoke qualitative fit test kit includes an air-purifying training video.

Part#	Description	Packaging
770039	Bitrex® Qualitative Fit Test Kit	1 per package
770040	Irritant Smoke Qualitative Fit Test Kit	1 per package

### QUANTITATIVE FIT TEST ADAPTERS



770023

770021

Part#	Description	Packaging
770021	Fit Test Adapter for 5400, 5500, 7600, 7700, 7800 Series respirators.	1 per package
770023	Converter (used with the 770021) to fit test 80004 and 80004S Pressure Demand Airline and SCBA Facepieces	1 per package

### REFRESHER WIPE PADS



7003

Part#	Description	Packaging
7003	Refresher Wipe Pads	100 pads individually wrapped per pkg
7003A	Refresher Wipe Pads (alcohol free)	100 pads individually wrapped per pkg

### CLEANER / SANITIZER POWDER



80992

The 80992 germicidal solution is an EPA (Environmental Protection Agency) registered product. You can use it for routine cleaning and disinfecting of your respirator facepiece.

Part#	Description	Packaging
80992	Cleaner / Sanitizer Powder	6 per package

## North: Respirators

### COMFORT MASK



RP1500

Disposable Comfort Mask for protection against non-toxic dusts. Not NIOSH approved.

Part#	Description	Packaging
RP1500	Comfort Masks	50 per package

### N95 PARTICULATE RESPIRATORS

**95% MINIMUM FILTER EFFICIENCY**



6130N95

This provides protection from dust, mists and fumes at an economical price. The mask features a foam nose pad and latex free straps. Use in duty environments that are free from oil.

Part#	Description	Packaging
6130N95	N95 Particulate Respirator	30 per package



7130N95



North has designed and engineered this respirator to provide exceptional comfort and worker protection. It features a soft cushioned nose seal for added comfort and a curved nose clip for improved fit. The headstraps are latex free. The 7130N95 provides protection from solids and particulate aerosols free of oil, and is ideal for dusty environments such as grinding, sanding and sweeping.

Part#	Description	Packaging
7130N95	N95 Particulate Respirator	20 per package



7140N95

This respirator has the same features as the 7130N95, with the added benefit of a built-in exhalation valve for cooler and easier breathing. The 7140N95 provides protection from solids and particulate aerosols free of oil.

Part#	Description	Packaging
7140N95	N95 Particulate Respirator with exhalation valve	10 per package

### P95 PARTICULATE RESPIRATOR

**95% MINIMUM FILTER EFFICIENCY**



8140N95

Comfortable and durable, the 8140P95 features a foam-cushioned facepiece seal that conforms closely to the face for long lasting comfort and protection, latex free straps, and a built in-in exhalation valve for cooler and easier breathing. The 8140P95 provides protection from any particulates, and is ideal for machining and other dusty and oily operations.

Part#	Description	Packaging
8140P95	P95 Particulate Respirator with exhalation valve	10 per package

## North: Respirators

### CFR-1™ COMFORT FIT RESPIRATORY SYSTEM



4200MW  
CFR-1 RESPIRATOR



North's new CFR-1 reusable particulate respirators give workers the comfort and protection they deserve at a much better value than ordinary dust masks. Ordinary dust masks quickly get warm, moist and uncomfortable and are often replaced several times a day. The filter in the CFR-1 does not touch the face keeping it cool and dry, and one filter can provide all day protection. The facepiece is reusable, and replaceable filters will save money and reduce waste.

#### features and benefits

- Soft thermoplastic elastomer seal provides maximum comfort to ensure greater worker acceptance.
- Exhalation valve removes air quicker for easier and cooler breathing.
- Inhalation valve keeps the filter drier and allows the user to perform a positive pressure seal check.
- Adjustable harness system will ensure a comfortable and secure fit.
- Parking mechanism provides a convenient place to put respirator when not in use.
- N95 and R95 filters available for a wide range of applications.
- Three sizes to comfortably fit most users.

The CFR-1 Welding Respirator comes with a stainless steel mesh cover to protect the user from heat, sparks and slag.

#### Respirator

Part#	Description	Packaging
4200S	CFR-1 Respirator (Small)	1 per package
4200M	CFR-1 Respirator (Medium)	1 per package
4200L	CFR-1 Respirator (Large)	1 per package

#### Welding Respirator

Part#	Description	Packaging
4200SW	CFR-1 Welding Respirator (Small)	1 per package
4200MW	CFR-1 Welding Respirator (Medium)	1 per package
4200LW	CFR-1 Welding Respirator (Large)	1 per package

#### Replacement filters and accessories

Part#	Description	Packaging
42N95	N95 replacement filters for CFR-1 respirator	20 per package
42R95	R95 replacement filters for CFR-1 respirator, for use in oil environments	10 per package
77BAG	Carrybag for Half Mask	1 per package

### QUANTITATIVE FIT TEST KIT



The CFR-1 fit test kit contains one each of small, medium and large 4200 masks, probed to perform quantitative fit testing. 100 refresher wipe pads plus extra suction cups and tubes for fit testing are also included. The rugged storage case keeps contents secure and readily available when needed. The 4200/QNKT is used in conjunction with a PortaCount®\* fit tester with the N95 companion.

Part#	Description	Packaging
4200/QNKT	Quantitative fit test kit for CFR-1 respirator	1 per package

\* PortaCount® is a registered trademark of TSI Inc.

## North: Confined Space Respirators

# Pump & Kit Selection... in Three Simple Steps

Choice of models: 1/4 HP, 3/4 HP, 1-1/2 HP to meet a variety of applications. Pumps are available individually or as a kit with facepiece or hood, hose and couplers. Economical and easy to maintain.



### 7600 Series

Silicone full facepiece has dual flange for superior fit. Polycarbonate lens offers wide field of vision. Nose cup and speech diaphragm are standard. Also available with a welding attachment.

Two sizes (small & medium/large)

**Use with the CF2007 Breathing Tube**  
**Tube**

**760008A, S** Full Facepiece

**760008AW, SW** Full Facepiece with  
Welding  
Attachment  
(not shown)

### STEP 1

#### Select your Facepiece

### 7700 Series

The most comfortable and durable half mask available. Non-Allergenic silicone for excellent fit and protection.

Three sizes (small, medium, large)

**Use with the CF2007 Breathing Tube**

**770030S, M, L** Half Mask



### 5400 Series

Provides the comfort and the protection you need at an unbeatable price. Facepiece seal is made from soft elastomer material with high chemical resistance.

Nose cup is standard. Also available with a welding attachment.

Two sizes (small and medium/large)

**Use with the CF2007 Breathing Tube**

**54001, S** Full Facepiece

**54001W, SW** Full Facepiece with  
Welding Attachment  
(not shown)



### 5500 Series

Made of soft elastomer for comfort and fit. Contoured sealing flange eliminates pressure points on facial nerves.

**Use with the CF2007 Breathing Tube**

**550030S, M, L** Half Mask



### CF2007 Breathing Tube

Convert the North full facepiece and half masks into a continuous flow respirator. Attaches easily to the cartridge connectors without any modifications, tools or extra adapters. Assembly includes an adjustable flow valve and belt.



## North: Confined Space Respirators



### 7800 Series

Silicone full facepiece with breathing tube and cartridge connectors. May be used in the negative pressure mode for entry/exit or emergency escape from non-IDLH environments. Assembly includes breathing tube and belt. Available with fixed or adjustable flow, in two sizes (small & medium / large)

Cartridges and filters sold separately. Refer to the North Respiratory Catalog for a complete listing.

**78005, S** Fixed Flow  
**78006, S** Adjustable Flow

#### Cartridges and Filters Sold Separately

**7580P100** P100 Filters  
**7581P100** Organic Vapor / P100 Cartridge Filter Combination  
**N75001** Organic Vapor Cartridge



### 85300 Series

Lightweight hoods fit easily over hair and eye glasses. Ratchet suspension for easy adjustment. Available in Tyvek®\* or Saranex®\*\* Coated Tyvek, with or without bib. Assembly includes breathing tube and belt.

**Not for use with 86600 ambient air pump**

**85301T** Tyvek Hood  
**85301S** Saranex Coated Hood  
**85301TB** Tyvek Hood, Bibbed  
**85301SB** Saranex Coated Hood, Bibbed

\* Tyvek is a registered trademark of E.I. DuPont de Nemours and Company. E.I. DuPont Canada Inc. is a licensee.

\*\* Saranex is a registered trademark of the Dow Chemical Company.

## STEP 2

### Select your Hose Assembly



Use with 86600 or 86610 Ambient Air Pumps

#### 888050H

(1) 50 ft air hose, 1/2" ID #888050  
(1) Hansen coupler assembly #88800H

#### 888100H

(1) 100 ft air hose, 1/2" ID #888100  
(1) Hansen coupler assembly #88800H

Use with 86630 Ambient Air Pump

#### 888050HAP1.5

(1) 50 ft air hose, 1/2" ID #888050  
(1) Hansen female coupler #880060H  
(1) Hansen NPT male coupler #970074BN  
(1) Hansen male coupler #880161H  
(for respirator connection)

#### 888100HAP1.5

(1) 100 ft air hose, 1/2" ID #888100  
(1) Hansen female coupler #880060H  
(1) Hansen NPT male coupler #970074BN  
(1) Hansen male coupler #880161H  
(for respirator connection)

## North: Confined Space Respirators

### **STEP 3** Select your Pump



#### **86600 AMBIENT AIR PUMP 1/4HP**

For one worker with tight fitting facepiece only

Lightweight unit, easy to carry (33 lbs)

Supplies up to 5 cfm

Ideal for painting, cleaning, grinding or chemical handling applications

PUMP PART#	MAX. NO. FACEPIECE	MAX. NO. HOOD	HOSE ASSEMBLY PART#
86600	1	—	888050H



#### **86610 AMBIENT AIR PUMP 3/4HP**

For two workers with a tight fitting facepiece or one worker with loose fitting hood

Lightweight unit featuring carrying handle (55 lbs)

On/Off switch for easy shut off

Supplies up to 10 cfm

Ideal for a variety of work environments including painting and refinishing booths

PUMP PART#	MAX. NO. FACEPIECE	MAX. NO. HOOD	HOSE ASSEMBLY PART#
86610	2	1	888050H or 888100H



#### **86630 AMBIENT AIR PUMP 1-1/2HP**

For three workers with a tight fitting facepiece or two workers with a loose fitting hood

On/Off switch for easy shut off

Built in cooling fan

Supplies up to 20 cfm

Ideal for heavy duty applications

PUMP PART#	MAX. NO. FACEPIECE	MAX. NO. HOOD	HOSE ASSEMBLY PART#
86630	3	2	888050HAP1.5 or 888100HAP1.5

#### **All in one box Pump Kits!**

All inclusive kits makes your selection even easier. Kits contain everything you need to set up an airline system. Includes pump, hoses, couplers, and facepiece or hood with breathing tube. For one person only



Kit part#	Pump #	Hose Assembly	Breathing tube	Facepiece/hood
APPB	86610	888050H	CF2007	54001
APPB	86610	888050H	—	85301T
APPC	86610	888050H	CF2007	770030M
APPD	86600	888050H	CF2007	54001
APPE	86600	888050H	CF2007	770030M