

3M Science.
Applied to Life.™

Comfort.
Versatility.
Trust.



3M™ Reusable Respirators

Breathe easy with trusted respiratory protection from 3M.



Give your employees the confidence to do their best work with 3M™ Reusable Respirators. Optimal for a number of industrial applications, 3M Reusable Respirators are developed with unique features and industry-leading safety technologies to help ensure maximum comfort, durability, and protection.

Supported by a dedicated technical team to share industry, product, and regulatory knowledge, 3M provides a full line of easy-to-use, half and full facepiece reusable respirators to help protect against both particulates and/or gases and vapors.

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Making an informed decision

Selecting a Respirator for your Workplace

Respirator selection is one part of an effective respiratory protection program. After performing an exposure assessment and determining that respiratory protection is required, you're ready to select the appropriate protection for your employees.

What are the respiratory hazards in your workplace?

You'll need to select equipment based on whether your work environment contains a particulate hazard, a gas or vapor hazard, or both types of hazards.



Gases/Vapors

E.g. certain organic vapors and gases such as chlorine, sulfur dioxide and ammonia.

Common applications include chemical manufacturing/ handling, painting, coating and cleaning.



Particulates

E.g. dusts, mists, metal fumes and fibers.

Common applications include drilling, cutting, welding, grinding and sanding.



Oxygen deficiency

(<19.5% O₂) E.g. confined spaces

Reusable respirators can be considered for a wide variety of workplace exposures but are not intended for use in oxygen deficient environments. If oxygen deficiency or other immediately dangerous to life or health (IDLH) conditions are of concern, please reach out to your local 3M Sales Representative.

What level of protection do you need?

Assess exposure levels and applicable workplace exposure standards.

The Assigned Protection Factor (APF) is the workplace level of respiratory protection that a respirator or class of respirators is expected to provide to employees when the employer implements a continuing, effective respiratory protection program as specified by 29 CFR 1910.134. For instance, an APF of 10 means the respirator can protect against exposure levels that are up to 10 times the PEL for that hazard.

 Half Facepiece Respirators	 Full Facepiece Respirators	 Positive Pressure Respirators
APF 10	APF 50	Other APFs
Half facepiece respirators and full facepiece respirators that have been qualitatively fit tested, have an APF of 10.	Full Facepieces respirators, when quantitatively fit tested, have an APF of 50.	If an alternative APF such as 1000 is needed, positive pressure respiratory protection assemblies can be considered. For IDLH conditions, consider a self-contained breathing apparatus (SCBA).

What is the appropriate product selection?

Match the reusable respirator facepiece to the appropriate filter/cartridge.

1

Choose your cartridge/filter type:

e.g. particulate, organic vapor, organic vapor/particulate, etc.

2

Choose your facepiece.

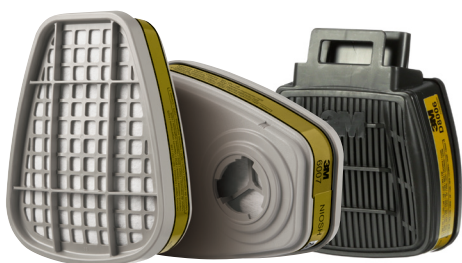
Note that not all filter/cartridge types are available for all reusable respirators.

Comprehensive respiratory protection



3M™ Particulate Filters

Filter particulates (e.g., dusts, mists, fumes, fibers, mold, bacteria, etc.). Some filters also have nuisance-level gas and vapor capabilities.



3M™ Gas & Vapor Cartridges

Protect against certain gases and vapors that can be found in the workplace. Multiple options are available for different airborne hazards.



3M™ Gas & Vapor Cartridges with Particulate Filters

Combine gas and vapor protection with a built-in particulate filter. As with gas and vapor cartridges, various cartridges are available for specific hazards in the workplace.



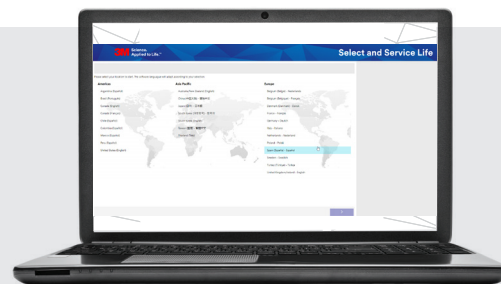
3M™ Reusable Respirators

3M offers a full line of reusable respirators with half or full facepiece options, compatible with a wide range of filters/cartridges.

Need help finding the right solution for your application?

Our free 3M™ Select and Service Life Software can help make it faster and easier to select the appropriate respirator and filter/cartridge.

Get started at www.3M.com/sls



What types of 3M™ Reusable Respirators are there?



Half facepiece respirators

- ▶ Seal around the nose and mouth
- ▶ Provide negative pressure respiratory protection
- ▶ Also compatible with powered and supplied air configurations*



Full facepiece respirators

- ▶ Seal around the outer edges of the face
- ▶ Provide negative pressure respiratory protection and eye protection
- ▶ Also compatible with powered and supplied air configurations*

*Depending upon respirator platform.

Reusable Respirator platform options

- ▶ **3M™ Secure Click™** – helps provide confidence that cartridges and filters are installed properly
- ▶ **3M™ Bayonet** – widest range of facepiece, cartridge and filter options
- ▶ **3M™ Scott™** – Top-Down Convertibility across a range of respirator types when used with 3M™ Scott™ AV-632 Bayonet Adapter

Why choose 3M™ Reusable Respirators?

Versatile protection

With a wide range of facepieces, cartridges and filters offering an Assigned Protection Factor from 10-50, 3M reusable respirators can be used for numerous applications and hazardous environments. Some 3M facepieces can be used in powered or supplied air mode, allowing for an APF of up to 1,000 or even 10,000 when used with SCBA.

Designed for comfort

Workers deserve to be comfortable and protected whether they are in a tight space or working a long shift. Select from a variety of comfort features like silicone for a softer feel on the face and 3M™ Cool Flow™ Valve for easy breathing.

Simple and intuitive

Whether you need multi-use respiratory protection or a maintenance free offering, our solutions are easy to use.

Respirator protection specialists

Our dedicated team is available to share their industry, product and regulatory knowledge to help you understand your available options to help keep workers protected.

How do 3M™ Particulate Filters work?

Filters capture particles in three ways: impaction, interception and diffusion. Certain 3M Particulate Filters are also enhanced with electrostatically charged fibers to help attract and trap particles within the filter media.

Why do I need to replace my 3M Particulate Filters regularly?

As filters load up with captured particles, they actually become more efficient at filtering. However, they also become harder to breathe through. At some point, the filter will become too clogged for comfort and needs to be changed. How soon this occurs depends on the amount of particles in the air, and to an extent on individual preference – some people are more sensitive to an increase in breathing resistance than others. Filters must also be replaced whenever they are damaged in any way, such as by welding sparks.

When should I replace my 3M Particulate Filters?

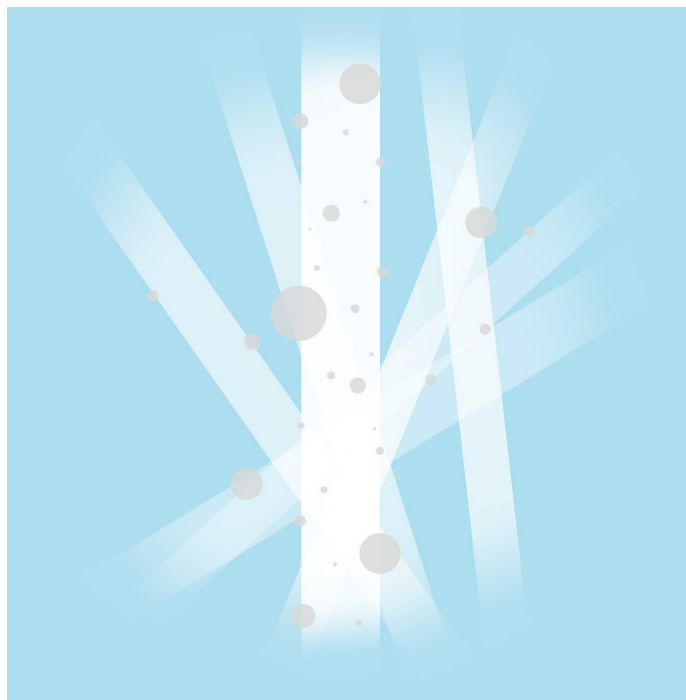
Remember the “3 Ds”, and replace your filter whenever it becomes:

- ▶ Damaged
- ▶ Dirty
- ▶ Difficult to breathe through

How long can I use R and P series filters?

Use of R series filters is limited to 8 hours against oily mist.

Use of P series filters is limited to 40 hours of use or 30 days, whichever occurs first, against an oily mist.



Minimum Efficiency	N Non-oil Aerosols	R Oil- Resistant	P Oil- Proof
95%	N95	R95	P95
99%	N99	R99	P99
99.97%	N100	R100	P100

42 CFR part 84. Filter classifications, efficiencies and oil resistance.

Filter classification

NIOSH specifies nine classifications for particulate filters, based on minimum filtration efficiency and the type of aerosol (non-oil or contains oil).

How do 3M™ Cartridges work?

3M cartridges use activated carbon to filter gas and vapor contaminants from the air while allowing the filtered air to pass through. Certain types of contaminants, like certain organic vapors, adhere to the surface of the activated carbon and are captured. Other contaminant gases require specific treatments to the activated carbon to chemically bond and trap the contaminant molecules within the carbon. The differing types of carbon treatments is why unique cartridges are required for use against specific contaminants.

Why do I need to replace my 3M Cartridge regularly?

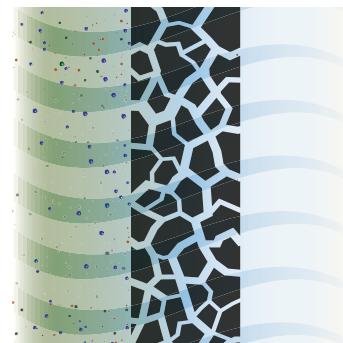
When the carbon inside the cartridge is “full” of the contaminant gases or vapors, they start to pass through the cartridge to the user. This is called “breakthrough.” Cartridges need to be replaced prior to breakthrough to avoid exposing the respirator wearer to contaminants. There are multiple factors affecting the useful life of a cartridge, known as “service life”. The best way to determine service life of a 3M cartridge, and a replacement schedule for cartridges, is to use the 3M Service Life Software, 3M.com/sls.

When should I replace my 3M Cartridges?

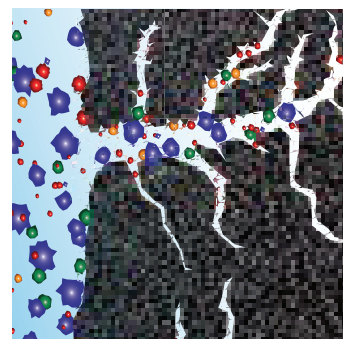
- ▶ In accordance with your established change schedule, government regulation, or earlier if contaminants can be detected inside the respirator by smell, taste or irritation.
- ▶ If the cartridge is damaged in any way it should be discarded and replaced.
- ▶ If the cartridge has an attached particulate filter, replace the cartridge/filter when it becomes damaged or soiled, or if breathing becomes difficult.
- ▶ If the cartridge and attached particulate filter is used in environments containing oil aerosols, replace the cartridge/filter after 40 hours of use or 30 days, whichever is first.

How can I avoid using my 3M Cartridge beyond its service life?

- ▶ To help establish how frequently your cartridges should be replaced, visit 3M Service Life Software at 3M.com/sls.
- ▶ Before use, check the expiration date printed on the cartridge package. Most reusable respirator cartridges have a shelf life of 5 years.
- ▶ When you first remove a cartridge from the package, write the date on the cartridge itself.
- ▶ Perform air monitoring to determine average concentrations of certain contaminants over a measured time interval.



Unfiltered organic vapors are drawn into the cartridge.



Activated carbon absorbs organic vapors on molecular level.

Factors affecting cartridge service life:

- ▶ Type of contaminant
- ▶ Exposure concentration
- ▶ Breathing rate
- ▶ Temperature
- ▶ Humidity (water vapor takes up space in carbon filter pores)

3M™ Secure Click™ Reusable Respirators



Confidence in a click

3M™ Secure Click™ Reusable Respirators are 3M's next generation of reusable respiratory protection. Invented, not imitated, 3M Secure Click respirators offer many innovative features that are designed to meet the demands of today's workforce. When used with approved 3M™ Secure Click™ Cartridges and Filters, they help protect against particulates and/or a wide variety of gases and vapors. Both half and full facepiece options are intuitive, comfortable and reliable. Available in 3 sizes to help fit a wide range of faces.



Hear it:

Secure Click connection helps provide confidence that filters/cartridges are installed properly. Simply align the connections and push until you hear a click.



Say it:

Speaking diaphragm is designed to provide easy communication.



Check it:

Easy, one-touch seal check helps increase worker confidence that the respirator is being worn properly.

Feel it:

Experience the breathability and comfort provided by the world's first quad-flow cartridge system.

3M™ Secure Click™ Half Facepiece Reusable Respirator, HF-800 Series

Say It:

- ▶ Speaking Diaphragm designed to help provide easy communication

Hear It:

- ▶ Quick, simple cartridge/filter connection. Simply align the connections and push until you hear a click
- ▶ Confidence that filters and cartridges are installed properly provided by unique Secure Click™ Cartridge/Filter connection

Check It:

- ▶ Easily conduct required seal check prior to each use
- ▶ The quick, easy, one-touch negative pressure push button seal check provides improved confidence in respirator fit

Feel it:

- ▶ Dual-flow cartridge design allows for air to be pulled through both sides of the cartridge for easy breathing



Exhalation Valve

- ▶ Helps direct exhaled breath and moisture downward

Silicone Flex-Joint Faceseal

- ▶ Provides a softer feel for more comfort on the wearer's face
- ▶ Faceseal designed to sit lower on the nose bridge to help improve eyewear compatibility

Easy-Adjust Buckle

- ▶ Simple two-way adjustability: pull straps to tighten, squeeze wings to loosen

Compatibility

- ▶ Low profile design offers a wide field of view and compatibility with certain welding and grinding shields

Product Number	Size
HF-801SD	Small
HF-802SD	Medium
HF-803SD	Large

3M™ Secure Click™ Full Facepiece Reusable Respirator, FF-800 Series

Say It:

- ▶ Speaking Diaphragm designed to help provide easy communication

Hear It:

- ▶ Quick, simple cartridge/filter connection. Simply align the connections and push until you hear a click
- ▶ Confidence that filters and cartridges are installed properly provided by unique Secure Click™ Cartridge/Filter connection

Check It:

- ▶ Easily conduct required seal check prior to each use
- ▶ The quick, easy, one-touch positive pressure push button seal check provides improved confidence in respirator fit

Feel it:

- ▶ Dual-flow cartridge design allows for air to be pulled through both sides of the cartridge for easy breathing



Exhalation Valve

- ▶ Helps direct exhaled breath and moisture downward

Durable, Long-Lasting Head Harness

- ▶ Features a six-strap configuration for a secure fit

Large Lens

- ▶ Meets ANSI/ISEA Z87.1-2015 standard for eye and face protection
- ▶ Scratch resistant

Comfort Cradle

- ▶ Positions respirator more comfortably on head, reducing pressure points and hair pulling
- ▶ Helps make respirator donning easier

Soft, Silicone Nose Cup and Faceseal

- ▶ For added user comfort

Product Number	Size
FF-801	Small
FF-802	Medium
FF-803	Large

3M™ Secure Click™ Filters



Particulate Filters

Product #	Filter / Label Color	Particulate Filter Class			HF	Ozone	Nuisance OV ³	Nuisance AG ³
		N95	P95	P100				
D3071			✓					
D3076HF			✓		✓			✓
D3078			✓			✓ ¹	✓	✓
D3091				✓				
D3096				✓				✓
D3097				✓		✓ ²	✓	
D7N11		✓						
D7P71			✓					
D9093				✓				
D9093C				✓	✓		✓	✓
D701	Filter Retainer, used to attach 3M filters D7N11 & D7P71 to 3M™ Secure Click™ D800X Cartridges.							

Explanation of Protection Type

HF = Hydrogen fluoride

OV = Organic vapors

AG = Acid gases

¹ D3078 is 3M recommended for use against up to 1ppm ozone for up to 40 hours. Not NIOSH approved for ozone.

² D3097 is 3M recommended for use against up to 1ppm ozone for up to 8 hours. Not NIOSH approved for ozone.

³ Nuisance level refers to concentrations not exceeding the OSHA PEL or applicable government occupational exposure limits, whichever is lower.

3M™ Secure Click™ Cartridges



Gas & Vapor Cartridges

Product #	Type	Label Color	P100 Filter	OV	SD	HC	Cl	CD	HF	HS	AM/MA	FM ¹	MV ²	Ozone ³
D8001	OV	Black		✓										✓
D8002	AG	White			✓	✓	✓	✓	✓	✓				
D8003	OV/AG	Yellow		✓	✓	✓	✓		✓	✓				
D8004	AM/MA	Green									✓			
D8005	FM/OV	Olive Green/Black		✓								✓		
D8006	MG-V	Olive Green		✓	✓	✓	✓	✓	✓	✓	✓	✓		
D8009	MV/MG-V	Olive Green		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
D80921	OV/P100	Black/Purple	✓	✓										✓
D80923	OV/AG/P100	Yellow/Purple	✓	✓	✓	✓	✓		✓	✓				
D80926	MG-V/P100	Olive Green/Purple	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
D80929	MV/MG-V/P100	Olive Green/Purple	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

Explanation of Protection Type

OV = Organic vapors
AG = Acid gases
SD = Sulfur dioxide
HC = Hydrogen chloride

Cl = Chlorine
CD = Chlorine dioxide
HF = Hydrogen fluoride
HS = Hydrogen sulfide

AM/MA = Ammonia/Methylamine
FM = Formaldehyde
MV = Mercury vapor
MG-V = Multi-Gas/Vapor

¹ Half facepiece respirators cannot be used unless appropriate eye protection is also worn.

² 3M™ Secure Click D8009 and D80929 cartridges must be discarded within 50 hours of use against mercury vapor; or according to service life for other gas/vapor, or when odors of vapors or gases become noticeable, whichever occurs first.

³ 3M recommended for ozone up to 1ppm for up to 40 hours

3M™ Reusable Respirators with Bayonet Connection

Bayonet Connection: Designed for versatility and compatibility

A number of 3M™ Half and Full Facepiece Reusable Respirators feature the 3M™ Bayonet Connection System, which enables connection to a broad range of cartridges and filters to protect against gases, vapors, and particulates depending on individual needs. In addition, many of these respirators include a 3M™ Cool Flow™ Valve.

Additional features and benefits are facepiece series specific.



3M™ Cool Flow™ Valve

Hot, humid exhaled breath can cause discomfort when it builds up inside the facepiece. 3M™ Cool Flow™ Valve allows for:

- ▶ Easy breathing
- ▶ Release of warm, moist exhaled breath from inside the respirator
- ▶ Exhaled air directed downward

3M™ Bayonet Connection – Half Facepiece

3M™ Half Facepiece Reusable Respirator, 6000 Series

Made from lightweight thermoplastic elastomer

NIOSH approved for negative pressure air purifying, PAPR and supplied air dual airline applications



Product Number	Size
6100	Small
6200	Medium
6300	Large

3M™ Rugged Comfort Half Facepiece Reusable Respirator, 6500 Series

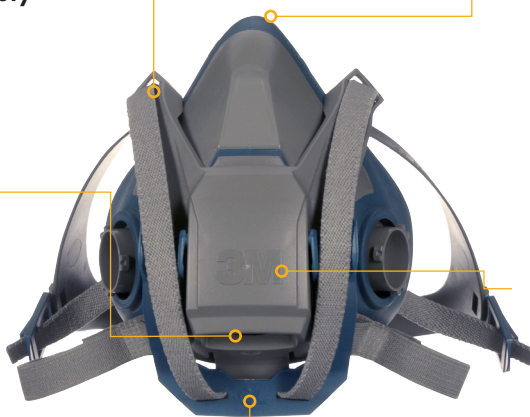
Adjustable Head Harness Assembly

3M™ Cool Flow™ Valve

- ▶ Helps release warm and moist exhaled breath from inside the respirator
- ▶ Allows for easy breathing

Quick Latch Drop-Down Mechanism*

- ▶ Easy on and off for moving in and out of contaminated areas
- ▶ No need for hard hat or faceshield removal when lowering or raising facepiece



Silicone Faceseal

- ▶ Designed for comfort, durability, and stability with a firm, lightly textured silicone faceseal

Valve Cover Design

- ▶ Directs exhaled breath and moisture downward

Product Number	Size
Standard/Quick Latch	
6501/6501QL	Small
6502/6502QL	Medium
6503/6503QL	Large

*Available on models 6501QL, 6502QL and 6503QL.

3M™ Bayonet Connection – Half Facepiece

3M™ Half Facepiece Reusable Respirator, 7500 Series

Soft Faceseal Design

- ▶ Silicone material provides a soft feel on the face

Adjustable Head Cradle

- ▶ Allows wearer to adjust for optimum fit and comfort

Dual-mode Head Harness

- ▶ Adjusts easily so user has the option of wearing respirator in either traditional or drop-down mode

3M™ Cool Flow™ Valve

- ▶ Helps release warm and moist exhaled breath from inside the respirator
- ▶ Allows for easy breathing

Unique Exhalation Valve Cover

- ▶ Directs exhaled breath and moisture downward
- ▶ Smooth surface allows for quick and easy cleaning
- ▶ Helps protect the valve area from debris



Product Number	Size
7501	Small
7502	Medium
7503	Large

3M™ Half Facepiece Reusable Respirator, 5000 Series

Maintenance-free reusable respirator

Lightweight design

Permanently affixed cartridges means no assembly required



Product Number	Size
5101	Organic Vapor, Small
5201	Organic Vapor, Medium
5301	Organic Vapor, Large
5103	Organic Vapor/Acid Gas, Small
5203	Organic Vapor/Acid Gas, Medium
5303	Organic Vapor/Acid Gas, Large
51P71	Organic Vapor, P95, Small
52P71	Organic Vapor, P95, Medium
53P71	Organic Vapor, P95, Large

3M™ Bayonet Connection – Full Facepiece

3M™ Full Facepiece Reusable Respirator, 6000 Series

Four-point Harness

- ▶ Four straps help create a balanced and comfortable feel on the head

Silicone Faceseal

- ▶ Helps provide comfort

Meets requirements of ANSI Z87.1 2010 for High Impact (Z87+) eye and face protection

3M™ Cool Flow™ Valve

- ▶ Helps release warm and moist exhaled breath from inside the respirator
- ▶ Allows for easy breathing



Large Lens

- ▶ Provides a wide field of view

Center Adapter

- ▶ Directs exhaled breath and moisture downward

Product Number	Size
6700	Small
6800	Medium
6900	Large

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

Large lens provides a wide field of view

- ▶ Meets requirements of ANSI Z87.1 2010 for High Impact (Z87+)
- ▶ Scratch resistant coating helps keep vision clear

Speaking Diaphragm

- ▶ Allows for easy communication

Bonded Silicone Gaskets

- ▶ Eliminate loose gaskets that can be lost

3M™ Cool Flow™ Valve

- ▶ Helps release warm and moist exhaled breath from inside the respirator
- ▶ Allows for easy breathing



Durable, Long-lasting Head Harness

- ▶ Features a six-strap configuration for a secure fit

Comfort Cradle

- ▶ Helps position the respirator more comfortably on the head

Soft, Silicone Nose Cup and Faceseal

- ▶ Engineered for durability and comfort

Product Number	Size
FF-401	Small
FF-402	Medium
FF-403	Large

3M™ Full Facepiece Reusable Respirator, 7800S Series

Six strap head harness

- ▶ Helps provide a secure and comfortable fit

Silicone faceseal

- ▶ Helps provide comfort

ANSI Z87.1 2003 standard high impact level eye and face protection



Product Number	Size
7800S-S	Small
7800S-M	Medium
7800S-L	Large

Clip-on Welding Shield Available

- ▶ Compatible with 3M™ Clip-on Welding Shield Kit 7990

3M™ Bayonet Filters

Particulate Filters



Product #	Filter / Label Color	Particulate Filter Class			HF	Ozone	Nuisance OV ³	Nuisance AG ³
		N95	P95	P100				
2071			✓					
2076HF			✓		✓			✓
2078			✓			✓ ¹	✓	✓
2091				✓				
2096				✓				✓
2097				✓		✓ ²	✓	
2291				✓				
2296				✓				✓
2297						✓ ²	✓	
5N11		✓						
5P71			✓					
7093				✓				
7093C				✓	✓		✓	✓
501	Filter Retainer	Used to hold 3M particulate filters 5N11 and 5P71 in place on top of 3M 5000 series respirators, 3M cartridges 6000 series and 603 filter adapter.						
502	Filter Retainer	Used to attach 3M particulate filters 2000 series, 3M particulate filters 2200 series and 3M particulate filters 7000 series to 3M 5000 series respirators and 3M cartridges 6000.						
603	Filter Adapter	Used to connect 3M filters 5N11 and 5P71 to bayonet facepieces. Requires 3M filter retainer 501.						

Explanation of Protection Type

HF = Hydrogen fluoride

OV = Organic vapors

AG = Acid gases

¹ 2078 is 3M recommended for use against up to 1 ppm ozone for up to 40 hours. Not NIOSH approved for ozone.

² 2097 and 2297 are 3M recommended for use against up to 1 ppm ozone for up to 8 hours. Not NIOSH approved for ozone.

³ Nuisance level refers to concentrations not exceeding the OSHA PEL or applicable government occupational exposure limits, whichever is lower.

3M™ Bayonet Cartridges



Gas & Vapor Cartridges

Product #	Type	Label Color	P100 Filter	OV	SD	HC	CI	CD	HF	HS	AM/MA	FM ¹	MV ²	Ozone ³
6001	OV			✓										✓
6002	AG				✓	✓	✓	✓		✓				
6003	OV/AG			✓	✓	✓	✓		✓	✓				
6004	AM/MA										✓			
6005	FM/OV			✓								✓		
6006	MG-V			✓	✓	✓	✓	✓	✓	✓	✓	✓		
6007	MV/OV/AG			✓	✓		✓			✓			✓	
60921	OV/P100		✓	✓										✓
60922	AG/P100		✓		✓	✓	✓	✓		✓				
60923	OV/AG/P100		✓	✓	✓	✓	✓		✓	✓				
60926	MG-V/P100		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
60927	MV/MG-V/P100		✓	✓	✓		✓			✓			✓	
60928	OV/AG/P100		✓	✓	✓	✓	✓		✓	✓				

Explanation of Protection Type

OV = Organic vapors

AG = Acid gases

SD = Sulfur dioxide

HC = Hydrogen chloride

CI = Chlorine

CD = Chlorine dioxide

HF = Hydrogen fluoride

HS = Hydrogen sulfide

AM/MA = Ammonia/Methylamine

FM = Formaldehyde

MV = Mercury vapor

MG-V = Multi-Gas/Vapor

¹ Half facepiece respirators cannot be used unless appropriate eye protection is also worn.

² 3M™ 6007 and 60927 cartridges must be discarded within 50 hours of use against mercury vapor; or according to service life for other gas/vapor, or when odors of vapors or gases become noticeable, whichever occurs first.

³ 3M recommended for ozone up to 1 ppm for up to 40 hours

3M™ Scott™ Reusable Respirators - Full Facepiece

3M™ Scott™ AV-632 Bayonet Adapter

Adapter used to connect 3M™ Particulate Filters 2000 Series, 7093 Series and 3M™ Cartridges 6000 Series to 3M™ Scott™ AV-3000 Series Facepieces.



3M™ Scott™ AV-3000 HT Full Facepiece with Kevlar® Head Harness

Integrated grab handle to assist with donning

Multiple headnet configurations

- ▶ 4-strap and 5-strap

Large visor for better visibility

Right or left communications bracket



High performance lens and bezel for improved thermal performance

Color contrasting inhalation valves for ease-of-inspection

Dual voicemitters for enhanced voice transmission around the wearer

Description	4-Strap	5-Strap
AV-3000 HT w/o comm bracket	S: 201215-21 / M: 201215-22 / L: 201215-23	S: 201215-01 / M: 201215-02 / L: 201215-03
AV-3000 HT w/ right comm bracket	S: 201215-27 / M: 201215-28 / L: 201215-29	S: 201215-04 / M: 201215-05 / L: 201215-06
AV-3000 HT w/ left comm bracket	S: 201215-34 / M: 201215-35 / L: 201215-36	S: 201215-07 / M: 201215-08 / L: 201215-09

3M™ Scott™ AV-3000 SureSeal Facepiece

Head harnesses include 5 points of attachments

- ▶ Available with Kevlar™, polyester, or rubber head harnesses

Dual voicemitters allow easy communication without electronics



Utilizes proven SureSeal technology for enhanced comfort, fit and performance

ANSI/ISEA Z87.1-2010 Std., impact rated; Z87+

Top-Down Convertibility

- ▶ Single facepiece is approved across range of respirators from the lowest to highest level of protection (APR, SAR, PAPR, and SCBA)

Description	Kevlar® Head Harness	Polyester Head Harness	Rubber Head Harness
AV-3000 SureSeal w/o comm bracket	S: 805773-81 / M: 805773-82 / L: 805773-83	S: 805774-81 / M: 805774-82 / L: 805774-83	S: 805775-81 / M: 805775-82 / L: 805775-83
AV-3000 SureSeal w/ comm bracket	S: 805773-84 / M: 805773-85 / L: 805773-86		

Selecting a 3M™ Reusable Respirator

Half and Full Facepiece Reusable Respirators are offered in a variety of materials and sizes to suit most face sizes and shapes.

3M™ Half Facepiece Reusable Respirators



Half Facepieces	HF-800SD	6000	6500	6500QL	7500
Platform Type	3M™ Secure Click™	3M™ Bayonet	3M™ Bayonet	3M™ Bayonet	3M™ Bayonet
Drop-Down Feature				✓	✓
3M™ Cool Flow™ Valve			✓	✓	✓
Silicone Face seal	✓		✓	✓	✓
Lightweight TPE Face seal		✓			
Speaking Diaphragm	✓				
Seal Check Button	✓				
Compatible with Most Welding Shields	✓	✓	✓	✓	✓
Compatible with 3M™ Supplied Air Systems		✓	✓		✓
Compatible with 3M™ PAPR Systems		✓	✓	✓	✓

3M™ Full Facepiece Reusable Respirators



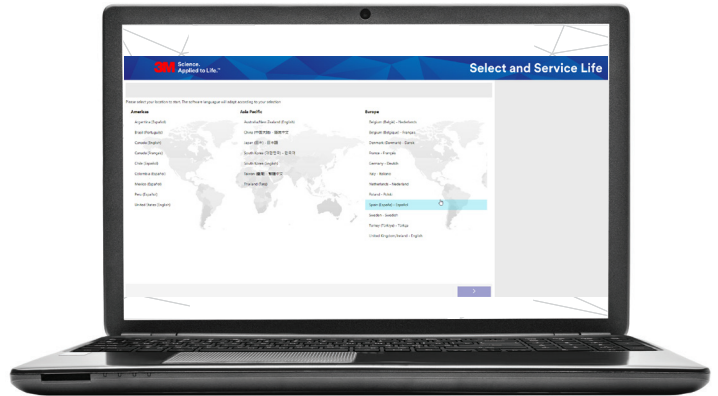
Full Facepieces	FF-800	6000	FF-400	7800S	AV-3000 HT	AV-3000 SureSeal
Platform Type	3M™ Secure Click™	3M™ Bayonet	3M™ Bayonet	3M™ Bayonet	3M™ Scott™*	3M™ Scott™*
3M™ Cool Flow™ Valve	✓	✓	✓			
Silicone Face seal	✓	✓	✓	✓		
Speaking Diaphragm	✓		✓	✓	✓	✓
Seal Check Button	✓					
Compatible with 3M™ Supplied Air Systems**		✓	✓	✓	✓	✓
Compatible with 3M™ PAPR Systems**		✓	✓	✓	✓	✓
Top-Down Convertibility					✓	✓

* When used with 3M™ Scott™ AV-632 Bayonet Adapter.

**Approved configurations vary across facepiece models. Confirm system approval before use.

3M™ Select and Service Life Software

Use our free software to help identify the appropriate cartridge or filter selection for your airborne respiratory hazards. Simply enter your workplace contaminants and the software will provide a list of suggested options. It also offers a service life calculation tool to help you estimate how frequently to replace your gas/vapor cartridges. Both programs are simple and give printable reports. www.3M.com/sls



3M™ Wear it Right App

This interactive guide is designed to help streamline your fit testing program. Designed to support multiple mobile devices, the 3M Wear it Right App can be used to test both reusable and disposable respirators according to multiple OSHA qualitative fit test protocols. In addition to guiding fit testers and wearers step-by-step through the process, it also offers convenient digital data recording to aid record keeping for compliance needs.



Helps fit testers and wearers follow the exact fit test protocol at every step of the process.

Download the app now.



Ordering Information

Product Number	Filter/Cartridge Connection Type	Facepiece Type	Size
3M™ Secure Click™ Half Facepiece Reusable Respirator, HF-800 Series			
HF-801SD	Secure Click™	Half Facepiece	Small
HF-802SD	Secure Click™	Half Facepiece	Medium
HF-803SD	Secure Click™	Half Facepiece	Large
3M™ Secure Click™ Full Facepiece Reusable Respirator, FF-800 Series			
FF-801	Secure Click™	Full Facepiece	Small
FF-802	Secure Click™	Full Facepiece	Medium
FF-803	Secure Click™	Full Facepiece	Large
3M™ Half Facepiece Reusable Respirator, 6000 Series			
6100	Bayonet	Half Facepiece	Small
6200	Bayonet	Half Facepiece	Medium
6300	Bayonet	Half Facepiece	Large
3M™ Rugged Comfort Half Facepiece Reusable Respirator, 6500 Series			
<i>Standard / Quick Latch</i>			
6501/6501QL	Bayonet	Half Facepiece	Small
6502/6502QL	Bayonet	Half Facepiece	Medium
6503/6503QL	Bayonet	Half Facepiece	Large
3M™ Half Facepiece Reusable Respirator, 7500 Series			
7501	Bayonet	Half Facepiece	Small
7502	Bayonet	Half Facepiece	Medium
7503	Bayonet	Half Facepiece	Large
3M™ Full Facepiece Reusable Respirator, 6000 Series			
6700	Bayonet	Full Facepiece	Small
6800	Bayonet	Full Facepiece	Medium
6900	Bayonet	Full Facepiece	Large
3M™ Ultimate FX Full Facepiece Reusable Respirator, FF-400 Series			
FF-401	Bayonet	Full Facepiece	Small
FF-402	Bayonet	Full Facepiece	Medium
FF-403	Bayonet	Full Facepiece	Large
3M™ Full Facepiece Reusable Respirator, 7800S Series			
7800S-S	Bayonet	Full Facepiece	Small
7800S-M	Bayonet	Full Facepiece	Medium
7800S-L	Bayonet	Full Facepiece	Large

Ordering Information

Product Number	Filter/Cartridge Connection Type	Facepiece Type	Size
3M™ Half Facepiece Reusable Respirator, 5000 Series			
5101	Fixed: Organic Vapor	Half Facepiece	Small
5201	Fixed: Organic Vapor	Half Facepiece	Medium
5301	Fixed: Organic Vapor	Half Facepiece	Large
5103	Fixed: Organic Vapor / Acid Gas	Half Facepiece	Small
5203	Fixed: Organic Vapor / Acid Gas	Half Facepiece	Medium
5303	Fixed: Organic Vapor / Acid Gas	Half Facepiece	Large
51P71	Fixed: Organic Vapor P95	Half Facepiece	Small
52P71	Fixed: Organic Vapor P95	Half Facepiece	Medium
53P71	Fixed: Organic Vapor P95	Half Facepiece	Large
3M™ Scott™ AV-3000 Sureseal Full Facepiece with Kevlar® Head Harness - Without Comms Bracket			
805773-81	Bayonet*	Full Facepiece	Small
805773-82	Bayonet*	Full Facepiece	Medium
805773-83	Bayonet*	Full Facepiece	Large
3M™ Scott™ AV-3000 Sureseal Full Facepiece with Kevlar® Head Harness - With Comms Bracket			
805773-84	Bayonet*	Full Facepiece	Small
805773-85	Bayonet*	Full Facepiece	Medium
805773-86	Bayonet*	Full Facepiece	Large
3M™ Scott™ AV-3000 Sureseal Full Facepiece with Polyester Head Harness - Without Comms Bracket			
805774-81	Bayonet*	Full Facepiece	Small
805774-82	Bayonet*	Full Facepiece	Medium
805774-83	Bayonet*	Full Facepiece	Large
3M™ Scott™ AV-3000 Sureseal Full Facepiece with Rubber Head Harness - Without Comms Bracket			
805775-81	Bayonet*	Full Facepiece	Small
805775-82	Bayonet*	Full Facepiece	Medium
805775-83	Bayonet*	Full Facepiece	Large

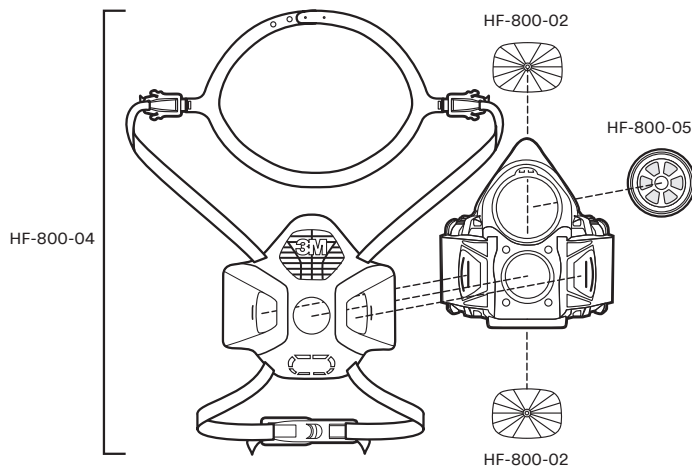
* Can be used with 3M™ Scott™ AV-632 Bayonet Adapter

Ordering Information

Product Number	Filter/Cartridge Connection Type	Facepiece Type	Size
3M™ Scott™ AV-3000 HT Full Facepiece with Kevlar® Head Harness - 4 Strap / Without Comms Bracket			
201215-21	Bayonet*	Full Facepiece	Small
201215-22	Bayonet*	Full Facepiece	Medium
201215-23	Bayonet*	Full Facepiece	Large
3M™ Scott™ AV-3000 HT Full Facepiece with Kevlar® Head Harness - 4 Strap / Right Comms Bracket			
201215-27	Bayonet*	Full Facepiece	Small
201215-28	Bayonet*	Full Facepiece	Medium
201215-29	Bayonet*	Full Facepiece	Large
3M™ Scott™ AV-3000 HT Full Facepiece with Kevlar® Head Harness - 4 Strap / Left Comms Bracket			
201215-34	Bayonet*	Full Facepiece	Small
201215-35	Bayonet*	Full Facepiece	Medium
201215-36	Bayonet*	Full Facepiece	Large
3M™ Scott™ AV-3000 HT Full Facepiece with Kevlar® Head Harness - 5 Strap / Without Comms Bracket			
201215-01	Bayonet*	Full Facepiece	Small
201215-02	Bayonet*	Full Facepiece	Medium
201215-03	Bayonet*	Full Facepiece	Large
3M™ Scott™ AV-3000 HT Full Facepiece with Kevlar® Head Harness - 5 Strap / Right Comms Bracket			
201215-04	Bayonet*	Full Facepiece	Small
201215-05	Bayonet*	Full Facepiece	Medium
201215-06	Bayonet*	Full Facepiece	Large
3M™ Scott™ AV-3000 HT Full Facepiece with Kevlar® Head Harness - 5 Strap / Left Comms Bracket			
201215-07	Bayonet*	Full Facepiece	Small
201215-08	Bayonet*	Full Facepiece	Medium
201215-09	Bayonet*	Full Facepiece	Large

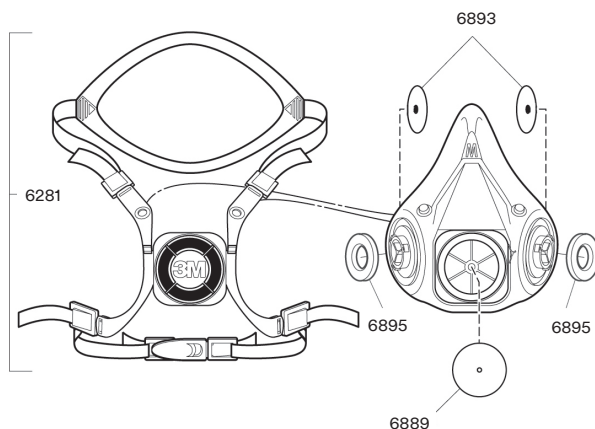
Parts & Accessories

3M™ Secure Click™ Half Facepiece Reusable Respirators, HF-800 Series



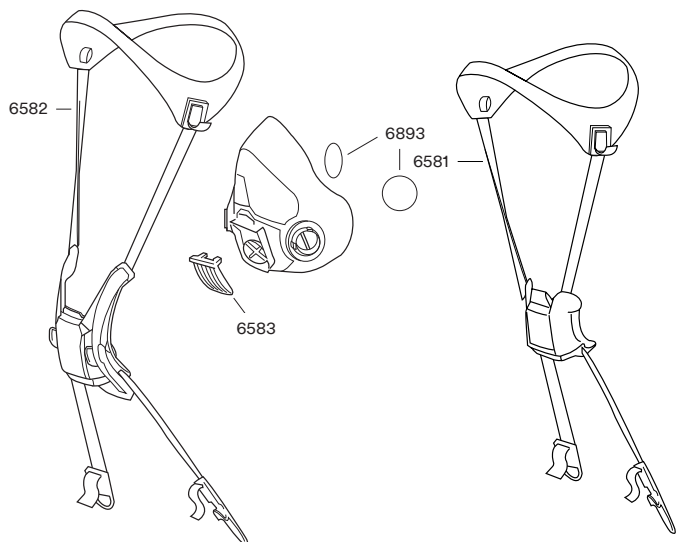
Product Number	Description
HF-800-02	Inhale/Exhale Valve
HF-800-03	Quantitative Fit Test Adapter Kit (not shown)
HF-800-04	Head Harness Assembly SD Version
HF-800-05	Speaking Diaphragm

3M™ Half Facepiece Reusable Respirators, 6000 Series



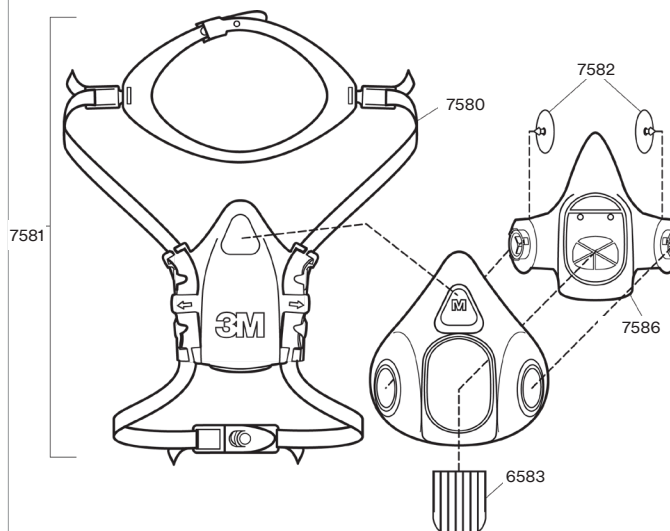
Product Number	Description
6281	Head Harness Assembly
6889	Exhalation Valve
6893	Inhalation Valve
6895	Inhalation Gasket
601	Quantitative Fit Test Adapter (not shown)

3M™ Half Facepiece Reusable Respirators, 6500 Series



Product Number	Description
6581	Head harness assembly
6582	Head harness assembly (QL version)
6583	Exhalation Valve
6893	Inhalation Valve
601	Quantitative Fit Test Adapter (not shown)

3M™ Half Facepiece Reusable Respirators, 7500 Series

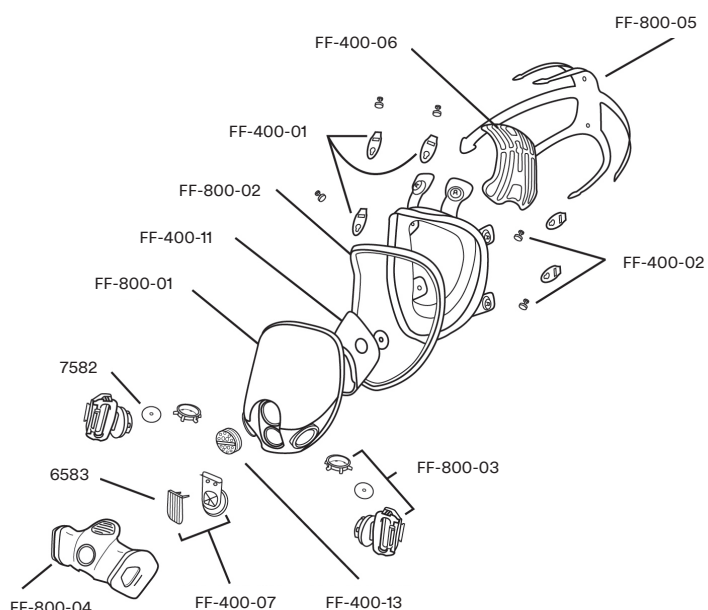


Product Number	Description
6583	Exhalation Valve
7580	Respirator replacement strap
7581	Head Harness Assembly
7582	Inhalation Valve
7586	Filter Holder with 2 × 7582, 1 × 6583
601	Quantitative Fit Test Adapter (not shown)

Parts & Accessories

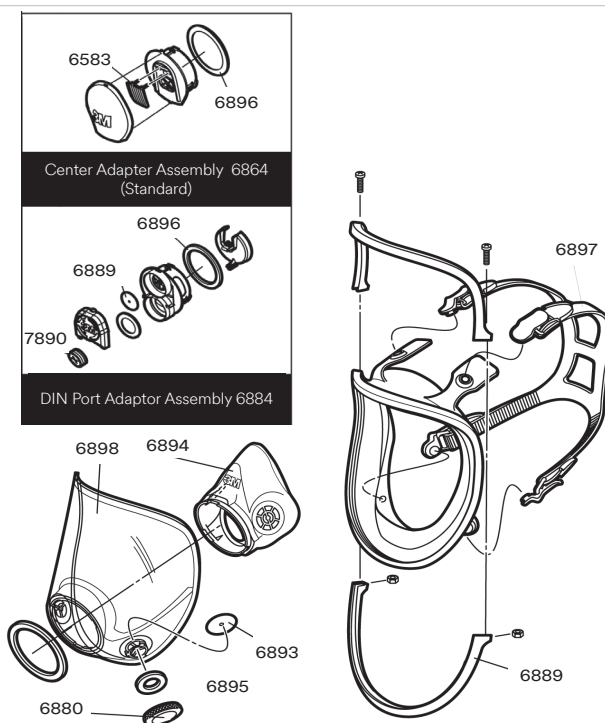
3M™ Secure Click™ Full Facepiece Reusable Respirators, FF-800 Series

Product Number	Description
FF-800-01	Lens
FF-800-02	Lens Frame Assembly with Screws
FF-800-03	Inhalation Valve Assembly
FF-800-04	Exhalation Valve Assembly
FF-800-05	Head Harness
FF-800-06	Quantitative Fit Test Adapter
FF-400-01	Buckle
FF-400-02	Button
FF-400-06	Comfort Cradle
FF-400-07	Exhalation Valve Assembly
FF-400-11	Nose Cup Assembly. Comes with 7582 inhalation valves for nose cup.
FF-400-13	Speaking Diaphragm
FF-400-15	Lens Cover
6583	Exhalation Valve
7582	Inhalation Valve
102	3M Universal Spectacle Kit



3M™ Full Facepiece Reusable Respirators, 6000 & 6000 DIN Series

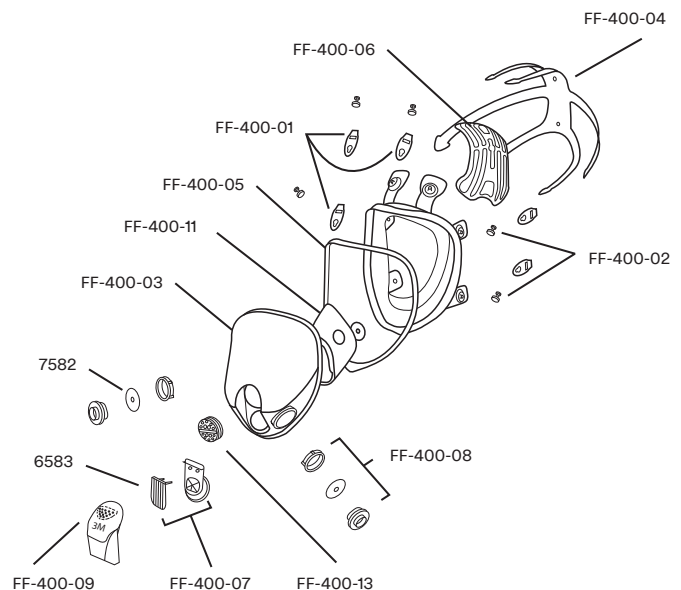
Product Number	Description
6583	Exhalation Valve
6864	Centre Adapter Assembly
6880	Bayonet Blanking Cap
6884	DIN Port Adapter Assembly
6885	Clear Lens Cover
6886	Tinted Lens Cover
6889	Exhalation Valve
6893	Inhalation Valve
6894	Nosecup Assembly (includes inhalation 6893 valves)
6895	Inhalation Gasket
6896	DIN Centre Adapter Gasket
6897	Head Harness Assembly - Full Face
6898	Full Facepiece Lens Assembly
6899	Lens Frame Kit
7890	Full Face Plug
102	3M Universal Spectacle Kit
601	Quantitative Fit Test Adapter



Parts & Accessories

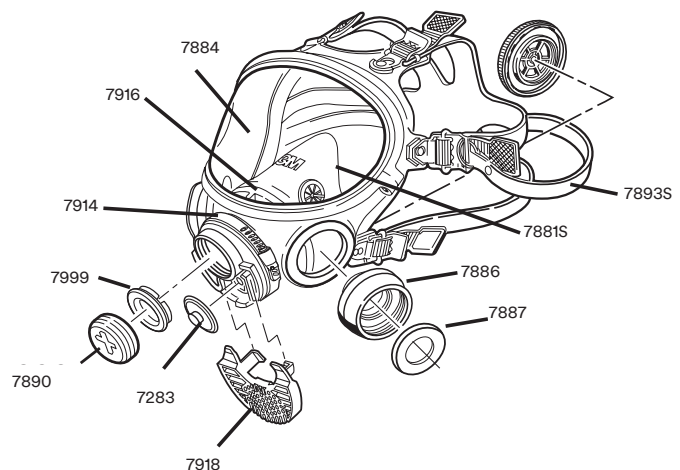
3M™ Full Facepiece Reusable Respirators, FF-400 Series

Product Number	Description
FF-400-01	Buckle
FF-400-02	Button
FF-400-03	Lens replacement
FF-400-04	Head Harness
FF-400-05	Lens Frame Assembly
FF-400-06	Comfort Cradle
FF-400-07	Exhalation Valve Assembly
FF-400-08	Bayonet Assembly
FF-400-09	Exhalation Valve Cover
FF-400-11	Nose Cup Assembly. Comes with 7582 inhalation vales for nose cup.
FF-400-13	Speaking Diaphragm
FF-400-15	Lens Cover
FF-400-25	Reusable Respirator Storage Bag
6583	Exhalation Valve
7582	Inhalation Valve
102	3M Universal Spectacle Kit
601	Quantitative Fit Test Adapter 601



3M™ Full Facepiece Reusable Respirators, 7800S Series

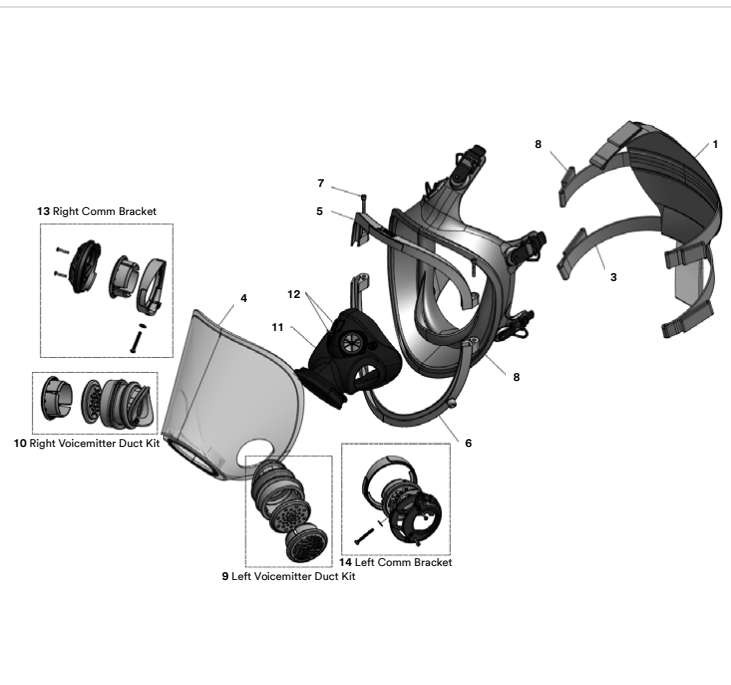
Product Number	Description
7282	Inhalation Valve
7283	Exhalation Valve
7881S	Nose Cup Assembly, Silicone (includes Nose cup valve Assembly 7882)
7882	Nose Cup Valve Assembly
7884	Lens
7885	Lens Frame Kit
7887	Inhalation Port Gasket
7890	Full Face Plug
7893S	Head strap Asesmbly, Silicone
7894	Frame
7895	Speaking Diaphragm Kit
7899-	Lens Cover, Stacked
7914 100	Band Clamp
7915-5	Shroud
7916	Breathing Room Assembly
7918	Exhalation Valve Cover
7986	Tinted Lens Cover
7990	Clip-on Welding Shield Kit
7992	Lens Gasket
7993	Welders Full Face Shroud
7999	Air Inlet Gasket



Parts & Accessories

3M™ Scott™ AV-3000 HT Full Facepiece Reusable Respirator

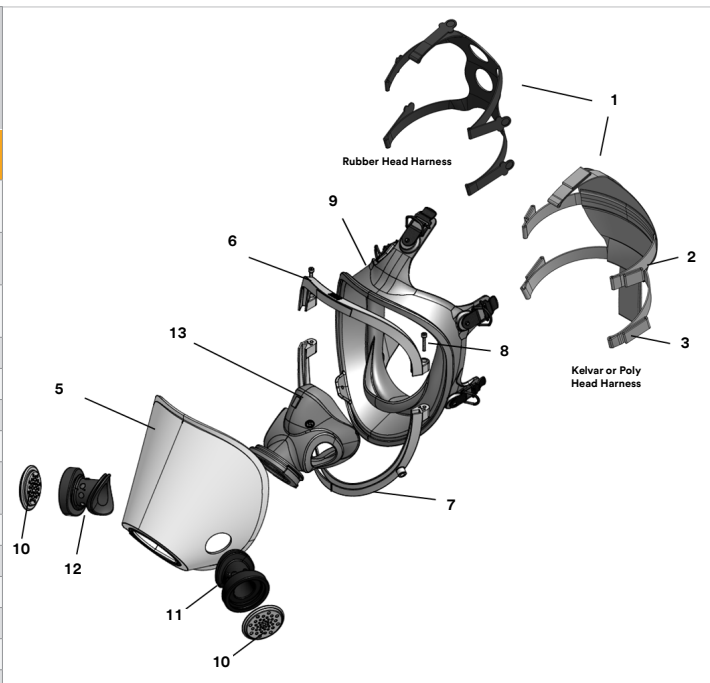
Item Number	Product Number	Description
1a	200803-01	Kevlar® Head Harness, 5-Strap* 1
1b	201467-01	Kevlar® Head Harness, 4-Strap, Small 1
1c	201467-02	Kevlar® Head Harness, 4-Strap, Medium/Large 1
2	804178-03	Kevlar® Temple Strap**
3	804176-03	Kevlar® Neck Strap
4	201134-01	Facepiece Lens (Fenestra, Drilled) (AV-3000 HT Facepiece only)
5	31002809	Upper Bezel (AV-3000 HT Facepiece only)
6	31002810	Lower Bezel (AV-3000 HT Facepiece only)
7	33361-020	Bezel Screw
8a	200802-01	AV-3000 SureSeal Facepiece, FaceSeal, Small
8b	200802-02	AV-3000 SureSeal Facepiece, FaceSeal, Medium
8c	200802-03	AV-3000 SureSeal Facepiece, FaceSeal, Large
8d	200802-04	AV-3000 SureSeal Facepiece, FaceSeal, 4-Strap, Small
8e	200802-05	AV-3000 SureSeal Facepiece, FaceSeal, 4-Strap, Medium
8f	200802-06	AV-3000 SureSeal Facepiece, FaceSeal, 4-Strap, Large
9	201311-02	Left Voicemitter Duct Kit (AV-3000 HT Facepiece only)
10	201311-01	Right Voicemitter Duct Kit (AV-3000 HT Facepiece only)
11a	201126-02	Nosecup with Red Valves, Small
11b	201127-02	Nosecup with Red Valves, Medium
11c	201128-02	Nosecup with Red Valves, Large
12	31002788	Inhalation Valve, Red (AV-3000 HT Facepiece only)
13	201210-01	Comm Bracket Kit, Right (AV-3000 HT Facepiece only)
14	201210-02	Comm Bracket Kit, Left (AV-3000 HT Facepiece only)
Not Shown	805534-01	Fleece Facepiece Bag
Not Shown	804088-02	Neck Strap Accessory



Parts & Accessories

3M™ Scott™ AV-3000 SureSeal Full Facepiece Reusable Respirator

Item Number	Product Number	Description
1a	200803-01	Kevlar® Head Harness (AV-3000 SureSeal Facepiece)+
1d	200965-01	Polyester Head Harness (AV-3000 SureSeal Facepiece)+
1g	10008522	Rubber Head Harness (AV-3000 SureSeal Facepiece)
2a	804178-03	Kevlar® Temple Strap++
2b	804061-01	Polyester Temple Strap++
3a	804176-03	Kevlar® Neck Strap
3b	803920-02	Polyester Neck Strap
5	805345-01	Facepiece Lens (Fenestra, Drilled) (AV-3000 SureSeal Facepiece)
6	10011024	Upper Bezel
7	10011025	Lower Bezel
8	33335-022	Bezel Screw
9a	200802-01	AV-3000 SureSeal Facepiece, FaceSeal, Small
9b	200802-02	AV-3000 SureSeal Facepiece, FaceSeal, Medium
9c	200802-03	AV-3000 SureSeal Facepiece, FaceSeal, Large
10	803759-01	Voicemitter
11	805339-01	Left Voicemitter Dust Assembly
12	805339-02	Right Voicemitter Duct Assembly
13a	31001043	Nosecup Grey Small
13b	31001044	Nosecup Grey Medium
13c	31001045	Nosecup Grey Large
Not shown	805534-01	Fleece Facepiece Bag
Not shown	200715-01	EPIC Communications Clamp, Right Side Only
Not shown	804088-02	Neck Strap Accessory



Respiratory Protection



▲ WARNING

These respirators help to protect against certain airborne contaminants. Before use, the wearer must read and understand the User Instructions provided as part of the product packaging. A written respiratory protection program must be implemented meeting all the requirements of OSHA 1910.134 including training, fit testing and medical evaluation. In Canada, CSA standards Z94.4 requirements must be met and/or requirements of applicable jurisdiction, as appropriate. Improper use may result in sickness or death. For correct use, see supervisor and User Instructions, or call 3M PSD Technical Service in USA at 1-800-243-4630 and in Canada at 1-800-267-4414.

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable national and/or European regulations and standards. Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

For industrial/occupational use only. Not for consumer sale or use.



Personal Safety Division

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

For more information:

In U.S.:
Technical Assistance 1-800-243-4630
Customer Service 1-800-328-1667
[3M.com/workersafety](https://www.3m.com/workersafety)

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