# **3M<sup>™</sup> Reusable Respirators**

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### 3M<sup>™</sup> Ultimate FX Full Facepiece Reusable Respirator FF-400 Series

FF 401 (Small) FF 402 (Medium) FF 403 (Large)

Comfortable, durable protection for demanding, X-treme conditions

The lightweight Ultimate FX FF-400 was developed to provide maximum comfort and durability with unique features that make it the optimal choice for a variety of industrial applications:



### 3M<sup>™</sup> Full Facepiece Reusable Respirator 6000 Series

# Reliable, convenient, compatible protection

- Unique center adapter directs exhaled breath and moisture downward, and helps reduce debris from depositing in the valve. Smooth surface allows for quick and easy cleaning
- Large lens provides wide field of view and excellent visibility
- 3M<sup>™</sup> Cool Flow<sup>™</sup> Valve helps provide cool, dry comfort
- Meets requirements of ANSI Z87.1-2010 for high impact (Z87+)
- Lightweight, well-balanced design with silicone faceseal for enhanced comfort and durability
- Available in air purifying respirator (APR), supplied air and powered air purifying respirator (PAPR) modes

6700 (Small) 6800 (Medium) 6900 (Large)



# 3M<sup>™</sup> Full Facepiece Reusable Respirator 7800S Series

7800S-S (Small) 7800S-M (Medium) 7800S-L (Large)

# Designed for durability and protection

- Silicone facepiece enhances fit and improves durability
- Double-flange faceseal and six adjustable straps help provide a secure fit
- Can be used with a passive or electronic clip-on welding lens
- Available in air purifying respirator (APR), supplied air and powered air purifying respirator (PAPR) modes
- FR-7800B (First Responder) version available
  - Butyl rubber seal to minimize permeation
  - CBRN approved with FR-15-CBRN





### 3M<sup>™</sup> Half Facepiece **Reusable Respirator 7500 Series**

### Easy breathing, comfort and durability

7501 (Small) 7502 (Medium) 7503 (Large)

### Soft Seal Design

- Advanced silicone material provides a softer feel on the face
- Unique adjustment design helps reduce tension and pressure points on the face for unsurpassed comfort

Cool Flow<sup>™</sup> Valve

breathing easier

Valve design helps make

Helps reduce heat and

moisture buildup for

cool, dry comfort

# 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

### **Unique Exhalation Valve Cover**

- Directs exhaled breath and moisture downward
- · Smooth surface allows for quick and easy cleaning
- Helps reduce debris from depositing in valve area

### 3M<sup>™</sup> Rugged Comfort Half Facepiece **Reusable Respirator 6500 Series**

### Rugged comfort, durability, and slim profile design

### **Adjustable Head** Harness Assembly

- Optimum fit and comfort with threesize adjustable head cradle
- Long-lasting polyester/spandex straps

### 3M<sup>™</sup> Bayonet Connection

 Compatible with all 3M<sup>™</sup> bayonet-style cartridges and filters

### Quick Latch Drop-Down Mechanism\*

- · Easy on and off as you move in and out of contaminated areas
- · No need to remove your hard hat or faceshield when lowering or raising your respirator
- \*Available on models 6501QL, 6502QL and 6503QL.

### Valve Cover Design

- Directs exhaled breath and moisture downward
- Easy positive pressure seal check

### · Provides comfort and stability

- with a soft but firm faceseal
- Extended product life due to resilient silicone material
- Our lightest silicone facepiece
- Keeps its shape in high-heat environments

### Cool Flow<sup>™</sup> Valve

- Enhanced comfort by reducing heat and moisture
- Easier breathing with unique valve design

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6501 (Small) 6502 (Medium)

6501QL (Small) 6502QL (Medium) 6503QL (Large)







### 3M<sup>™</sup> Half Facepiece **Reusable Respirator 6000 Series**

## Compatible, convenient respiratory protection

- Facepiece is made from soft, lightweight material
- Available with a standard or drop-down head harness option. Drop-down model allows wearers to lower the respirator without removing hard hat or faceshield
- Head harness assembly and spare parts are available



Standard

6100 (Small) 6200 (Medium) 6300 (Large)



Drop-down

6100DD (Small) 6200DD (Medium) 6300DD (Large)



### 3M<sup>™</sup> Half Facepiece **Disposable Respirator 5000 Series**

# Balanced design, disposable convenience

- · Easy to use and convenient
- Pre-assembled with permanently attached cartridges; no maintenance necessary
- Facepiece is made from soft, lightweight material
- Ideally suited for:
  - Intermittent respirator use
  - Plant shutdowns and turnarounds
  - Dirty applications where respirators wear out or become difficult to clean in a short time

5101 Organic Vapor Respirator (Small) 5201 Organic Vapor Respirator (Medium) 5301 Organic Vapor Respirator (Large)

5103 Organic Vapor/Acid Gas Respirator (Small) 5203 Organic Vapor/Acid Gas Respirator (Medium) 5303 Organic Vapor/Acid Gas Respirator (Large)

51P71 P95 Paint Spray/Pesticide Assembly (Small) 52P71 P95 Paint Spray/Pesticide Assembly (Medium) 53P71 P95 Paint Spray/Pesticide Assembly (Large)





# **Identify the Hazards**

Applications and Industries	Potential Hazards	Cartridge/Filter Options*		
Spray Painting, Varnishing, Staining & Coating	Solvent-based	0V/P95		
	Water-based Latex	Nuisance 0V**/P95		
Sanding & Grinding	Particulate	N95		
Welding	Weld Fume	N95		
	Stainless Steel & Galvanized	Nuisance 0V**/P95		
Abatement	Lead & Asbestos	P100		
	Mold	N95 - P100/ Nuisance OV**		
Cement Work	Silica/Dust	N95		
Cleaning & Janitorial	Bleach	AG/P95		
	Ammonia	AM/MA/P95		
	General Cleaning Products	OV/P95		
Agriculture	Pesticides & Insecticides	0V/AG/P95 - P100		
Construction	Particulate	N95		
Manufacturing	Solvents	OV		
	Particulate	N95		
Pharmaceutical Manufacturing	Particulate	N95/P100		
Chemical Manufacturing	Sulfur Dioxide, Chlorine	AG/P95		
	Ammonia	AM/MA/P95		

\*Respirator facepiece or system must be chosen based on the contaminant, airborne concentration and the necessary assigned protection factor.

\*\*Nuisance level refers to concentrations below the Occupational Exposure Limit (OEL) or other applicable government regulations, whichever is lower. If you are uncertain of the concentration levels of contaminants or recommended levels of respiratory protection, contact the 3M Technical Service Helpline at 1-800-243-4630. This guide is only an outline. It should not be used as the only means for selecting a respirator. Details regarding performance and limitations are set out on the respirator package and *User Instructions*. Before using any of these respirators, the wearer must read and understand the User Instructions for each product.

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Select the Right Respirator	5000	6000 HF	6500	7500	6000 FF	FF-400	7800S
Enhanced Durability							•
Maintenance Free							
Enhanced Comfort			•				
Drop-down Feature		-*	**	•			
3M <sup>™</sup> Cool Flow <sup>™</sup> Valve			•	•	•	•	
Compatible with 3M <sup>™</sup> Supplied Air System		•					•
Compatible with 3M <sup>™</sup> PAPR Systems							•
Eye Protection							•
Speaking Diaphragm							•
Accessories					•		•
Spare Parts			•				•
Six-point Head Harness							•
Silicone Faceseal			•	•			•
Compatible with Welding Shield							
Clip-on Welding Shield							

\*6000DD Version.

\*\*6500QL Version.

# Find a Combination that Works Best for You







6500 Series



7500 Series



6000 Series



Ultimate FX FF-400



7800 Series



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### 3M<sup>™</sup> Particulate Filters and Gas/Vapor Cartridges

All 3M Particulate Filters and Gas/Vapor Cartridges can be used interchangeably with 3M<sup>™</sup> Reusable Respirators 6000, 6500, 7000 and FF-400 Series.

3M <sup>™</sup> Particulate Filters 20	000 Series					
		Part Number	Description			
۱	<ul> <li>Lightweight and easy to breathe through</li> </ul>	2071	Particulate Filter, P95			
	Assortment of filters available	2076HF	Particulate Filter, Hydrogen Fluoride/P95, with Nuisance Level Acid Gas Relief*			
	for a wide range of applications	2078	2078 Particulate Filter, P95, with Nuisance Level Organic Vapor/Acid Gas Re			
112 ( 2512 ( 2512	Easier breathing through new     3-layer advanced Electret Filter	2091 Particulate Filter, P100				
The set of the	Media in 2200 Series Filters	2096 Particulate Filter, P100, with Nuisance Level Acid Gas Relief*				
		2097	Particulate Filter, P100, with Nuisance Level Organic Vapor Relief*			
		2291	Advanced Particulate Filter, P100			
		2296	Advanced Particulate Filter, P100, with Nuisance Level Acid Gas Relief*			
		2297	Advanced Particulate Filter, P100, with Nuisance Level Organic Vapor Relief*			
3M <sup>™</sup> Particulate Filter 709	93, P100					
<ul> <li>Unique, spring-loaded filter cover d</li> </ul>	esian	7093	Particulate Filter, P100			
simplifies negative pressure user s						
<ul> <li>Swept-back design provides enhant</li> </ul>	ced field	7093B	Particulate Filter, P100, Bulk			
<ul><li>of view and greater comfort</li><li>7093C offers a lightweight, low pro</li></ul>	file design					
that combines P100 filtration with a	carbon-loaded	7093C	Cartridge/Filter, Hydrogen Fluoride, P100 with Nuisance Level Organic Vapor and Acid Gas Relief*			
features found in heavier combinat	ion cartridge products					
3M <sup>™</sup> Gas/Vapor Cartridge	s 6000 Series		·			
		6001	Cartridge, Organic Vapor			
	<ul> <li>Low-profile design helps maintain good field of vision</li> </ul>	6002	Cartridge, Acid Gas**			
	Full range of cartridges to meet	6003	Cartridge, Organic Vapor/Acid Gas**			
	your needs	6004	Cartridge, Ammonia/Methylamine			
		6005	Cartridge, Formaldehyde/Organic Vapor			
and the second line		6006	Cartridge, Multi Gas/Vapor**			
		6009	Cartridge, Mercury Vapor or Chlorine			
3M <sup>™</sup> Combination Cartrid	ges/P100 Particulate Filters 600	0 Series				
	- Deutieulete filter is normanently	60921 📐	Cartridge/Filter, Organic Vapor/P100			
	<ul> <li>Particulate filter is permanently attached to cartridge for easy,</li> </ul>	60922	Cartridge/Filter, Acid Gas/P100**			
	one-step assembly	60923 📉	Cartridge/Filter, Organic Vapor/Acid Gas/P100**			
	<ul> <li>Unique design for enhanced comfort and visibility</li> </ul>	60924 📉	Cartridge/Filter, Ammonia/Methylamine/P100			
		60925	Cartridge/Filter, Formaldehyde/Organic Vapor/P100			
		60926	Cartridge/Filter, Multi-Gas/Vapor/P100**			
30		60928	Cartridge/Filter, Organic Vapor/Acid Gas/P100***			
		60929 📉	Cartridge/Filter, Mercury Vapor/Chlorine Gas/P100			
	or applicable government occupational exposure I ** Reminder: These cartridges are approved for res and full facepiece respirators when qualitatively I according to specific OSHA standards or applica	mits, whichever is lower. piratory protection from it tested, or up to less th	acid gases. Nuisance level organic vapor and acid gas refers to concentrations not exceeding OSHA PEL Do not use for respiratory protection against acid gases or organic vapors (except hydrogen fluoride). hydrogen sulfide gas up to 10 times the permissible exposure finit (PEL) with half facepiece respirators an 300 parts per million (ppm) with full facepiece respirators when quantitatively fit tested or ons, whichever is lower. 300 ppm is the concentration considered Immediately Dangerous to Life or			
	Health (IDLH) for hydrogen sulfide. <sup>†</sup> As recommended by the California Department of	Pesticide Regulation M	p. 01-009-Methyl Bromide Field Fumigation. 3M recommended for use against radioiodine and			
For More Information	methylbromide. Note: not NIOSH approved for me					
In the United States, contact:						
Technical Service 1-800-243-4630	Customer Service 1-800-328-1667	Internet www.3M.com/PPESafety				
In Canada, contact:						
Technical Service 1-800-267-4414	3M Canada Customer Care 1-800-364-3577	Internet www.3M.ca/safety				
For other 3M products:						
Technical Service 1-800-3M-HELPS			WARNING These respirators help protect against certain airborne contaminants. Misuse may result in sickness or death. For proper use, the wearer must read and understand User			
284	3M, Scotchgard and Cool Flow are trademarks of 3M Company.	Instructions p 1-800-243-4	rovided as a part of product packaging, see supervisor, or call 3M PSD Technical Service, 630. Time use limitations may apply.			



Personal Safety Division 3M Center, Building 235-2W-70 St. Paul, MN 55144-1000

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Important — Before using these respirators, you must determine the following:
1. The type of contaminant(s) for which the respirator is being selected.
2. The concentration level of contaminant(s).
3. Whether the respirator can be properly fitted on the wearer's face. All respirator instructions, warnings and use and time limitations must also be read and understood by the wearer before use.
Before use of these respirators, a written respiratory protection program must be implemented, meeting all the requirements of OSHA 29 CFR 1910.134, including training and fit testing.

# **Mouser Electronics**

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

<u>3M</u>: 2296 2297 2291