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

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

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

6501 (Small)

6503 (Large)

6502 (Medium)

6501QL (Small)

6503QL (Large)

6502QL (Medium)

### with a soft but firm faceseal

**Silicone Faceseal** 

• Extended product life due to resilient silicone material

· Provides comfort and stability

- 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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### 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 OV**/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.

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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		*	<b>*</b> *				
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



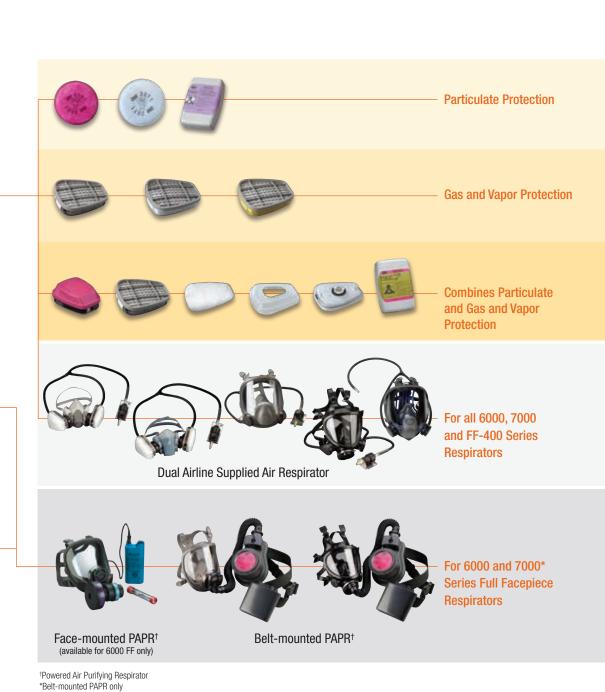
6000 Series



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		
۲	<ul> <li>Lightweight and easy to breathe through</li> </ul>	2071	Particulate Filter, P95		
	<ul> <li>Assortment of filters available for a wide range of applications</li> <li>Easier breathing through new 3-layer advanced Electret Filter Media in 2200 Series Filters</li> </ul>	2076HF	Particulate Filter, Hydrogen Fluoride/P95, with Nuisance Level Acid Gas Relief*		
		2078	Particulate Filter, P95, with Nuisance Level Organic Vapor/Acid Gas Relief*		
		2091	Particulate Filter, P100		
mar and the		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				
• Unique, enring leaded filter equar d	logian	7093	Particulate Filter, P100		
<ul> <li>Unique, spring-loaded filter cover d simplifies negative pressure user set</li> </ul>	eal checks				
<ul> <li>Swept-back design provides enhan</li> </ul>	nced field	7093B	Particulate Filter, P100, Bulk Cartridge/Filter, Hydrogen Fluoride, P100 with Nuisance Level Organic Vapor and Acid Gas Relief*		
of view and greater comfort • 7093C offers a lightweight, low pro-	ofile design				
that combines P100 filtration with o	carbon-loaded	7093C			
features found in heavier combination cartridge products			אין איז		
3M™ Gas/Vapor Cartridge	s 6000 Series				
	<ul> <li>Low-profile design helps maintain good field of vision</li> <li>Full range of cartridges to meet your needs</li> </ul>	6001	Cartridge, Organic Vapor		
		6002	Cartridge, Acid Gas**		
		6003	Cartridge, Organic Vapor/Acid Gas**		
		6004	Cartridge, Ammonia/Methylamine		
		6005	Cartridge, Formaldehyde/Organic Vapor		
and the second s		6006	Cartridge, Multi Gas/Vapor**		
		6009	Cartridge, Mercury Vapor or Chlorine		
3M <sup>™</sup> Combination Cartrido	ges/P100 Particulate Filters 6000	Series			
	<ul> <li>Particulate filter is permanently attached to cartridge for easy, one-step assembly</li> <li>Unique design for enhanced comfort and visibility</li> </ul>	60921 📐	Cartridge/Filter, Organic Vapor/P100		
		60922 🚬	Cartridge/Filter, Acid Gas/P100**		
		60923 🦰	Cartridge/Filter, Organic Vapor/Acid Gas/P100**		
		60924 📉	Cartridge/Filter, Ammonia/Methylamine/P100		
		60925 📉	Cartridge/Filter, Formaldehyde/Organic Vapor/P100		
		60926 📉	Cartridge/Filter, Multi-Gas/Vapor/P100**		
		60928	Cartridge/Filter, Organic Vapor/Acid Gas/P100**†		
		60929 📉	Cartridge/Filter, Mercury Vapor/Chlorine Gas/P100		
	* 2M recommended for relief against puisence lovels	f organic vonore and a	cid pases. Nuisance level organic vanor and acid gas refers to concentrations not exceeding OSHA PEL		

\* 3M recommended for relief against nuisance levels of organic vapors and acid gases. Nuisance level organic vapor and acid gas refers to concentrations not exceeding OSHA PEL or applicable government occupational exposure limits, whichever is lower. Do not use for respiratory protection against acid gases or organic vapors (except hydrogen fluoride).

\*\* Reminder: These cartridges are approved for respiratory protection from hydrogen sulfide gas up to 10 times the permissible exposure limit (PEL) with half facepiece respirators when qualitatively fit tested, or up to less than 300 parts per million (ppm) with full facepiece respirators when quantitatively fit tested or according to specific OSHA standards or applicable government regulations, 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 No. 01-009-Methyl Bromide Field Fumigation. 3M recommended for use against radioiodine and methylbromide. Note: not NIOSH approved for methylbromide or radioiodine.