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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Ultimate FX Full Facepiece Reusable Respirator FF-400 Series

Issue Date 5/1/10

### Flexibility in X-treme Conditions.

3M™ Ultimate FX Full Facepiece Reusable Respirator FF-400 is a reusable respirator that offers comfort, durability, and ease of cleaning.

### Features/Benefits

#### Large Lens Featuring Scotchgard™ Protector

- Paint and stain resistant lens causes some liquids to bead up on the surface so they can be wiped off easily
- Provides a wide field of view for excellent visibility
- Meets all requirements of ANSI Z87.1-2003 for high impact (Z87+)

#### Passive Speaking Diaphragm

- Optimally positioned passive speaking diaphragm for clearer and easier communications

#### 3M™ Cool Flow™ Valve

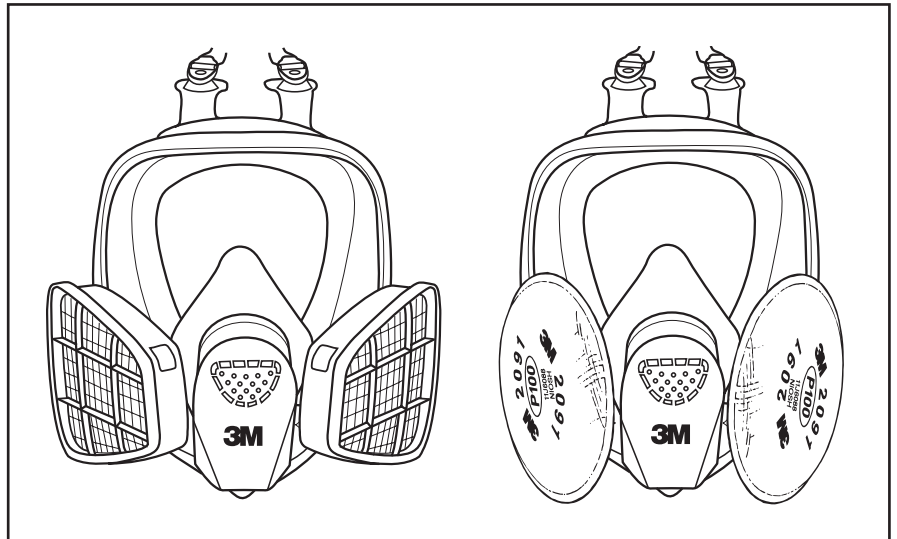
- Cool Flow™ valve helps make breathing easier
- Helps provide cool, dry comfort

#### Comfort

- Silicone faceseal and nose cup enhances comfort and durability
- Respirators are available in three sizes (small, medium and large) to comfortably fit many face sizes
- Comfort Cradle positions the respirator comfortably on head

#### Easy to Use

- Bonded silicone gaskets to eliminate loose gaskets that can be lost



**The 3M™ Ultimate FX Full Facepiece Reusable Respirator FF-400 with replaceable cartridges/filters**

- Respirator attachments twist on and off for quick assembly and disassembly

#### Multiple Mode Capacity

- Available in two different modes: Negative Pressure Air Purifying and Dual Airline Supplied Air

#### The FF-400 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 NIOSH approved 3M™ Filters 2000/2200 Series, 3M™ Cartridges 6000 Series and 3M™ Filter/Cartridges 7000 Series
- Cartridge/filter connections provide pressure and powered and supplied air capability in one respirator assembly

- Can be used on both high and low pressure systems\*
- Wearer can disconnect the airline at the air regulating valve and the system is changed to a filter/cartridge air purifying mode— then back to supplied air system with a simple reconnection of the airline
- Small diameter breathing tubes are simple to work with and easy to clean and decontaminate

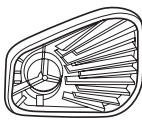
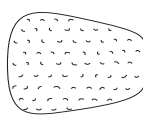
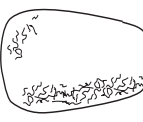


<b>⚠ WARNING</b>	
	These respirators help reduce exposure to certain airborne contaminants. <b>Misuse may result in sickness or death.</b> Before use, the wearer must read and understand <i>User Instructions</i>
provided as a part of product packaging. Time use limitations may apply. For proper use, see supervisor, packaging or call 3M OH&ESD Technical Service at 1-800-243-4630. In Canada, call 1-800-267-4414 or 1-800-265-1840, ext. 6137.	

\*Employer must provide a minimum of Grade D breathing air in accordance with OSHA requirements.


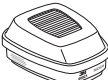
## 3M™ Filters and Accessories 2000 and 2200 Series, 7093, 5N11, 5P71

					
<b>2071</b> P95 Filter	<b>2076HF</b> P95 Filter with hydrogen fluoride, nuisance level acid gas relief*	<b>2078</b> P95 Filter with nuisance level organic vapor and acid gas relief*	<b>2091/07000</b> P100 Filter	<b>2096</b> P100 Filter with nuisance level acid gas relief*	<b>2097/07184</b> P100 Filter with nuisance level organic vapor relief*
					
<b>2291</b> P100 Filter	<b>2296</b> P100 Filter with nuisance level acid gas relief*	<b>2297</b> P100 Filter with nuisance level organic vapor relief*	<b>7093</b> P100 Filter	<b>7093C/37173</b> P100 Cartridge/Filter with hydrogen fluoride, nuisance level organic vapor and acid gas relief*	

\*Nuisance levels refer to concentrations below the OSHA PEL or other government standard, whichever is lower.

				
<b>603</b> Filter Adapter (Use with the 5N11 or 5P71 Filters and 501 Filter Retainer)	<b>5N11</b> N95 Filter (Use with the 501 Filter Retainer and 6000 Series cartridges)	<b>5P71/07194</b> P95 Filter (Use with the 501 Filter Retainer and 6000 Series cartridges)	<b>501</b> Filter Retainer (Use with 5N11 and 5P71 Filters and 6000 Series cartridges)	<b>502</b> Filter Adapter (Use with 2000 and 2200 Series and 7093 Filters and 6000 Series cartridges)

## 3M™ Cartridges 6000 Series

Product Number	NIOSH Approval*		Product Number	NIOSH Approval*	
<b>6001</b>	Certain organic vapors (a)(b)		<b>60921</b>	P100/Certain organic vapors (a)(b)	
<b>6002</b>	Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen sulfide (a)(b)		<b>60922</b>	P100/Chlorine, hydrogen chloride, and sulfur dioxide or chlorine dioxide or hydrogen sulfide (a)(b)	
<b>6003</b>	Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide or hydrogen fluoride (a)(b)		<b>60923</b>	P100/Certain organic vapors, chlorine, hydrogen chloride, and sulfur dioxide or hydrogen sulfide or hydrogen fluoride (a)(b)	
<b>6004</b>	Ammonia and methylamine (a)(b)		<b>60924</b>	P100/Ammonia and methylamine (a)(b)	
<b>6005</b>	Formaldehyde and certain organic vapors (a)(b)		<b>60925</b>	P100/Formaldehyde and certain organic vapors (a)(b)	
<b>6006</b>	Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide ammonia/methylamine, formaldehyde or hydrogen fluoride (a)(b)(c)		<b>60926</b>	P100/Certain organic vapors, chlorine, hydrogen chloride, chlorine dioxide, sulfur dioxide, hydrogen sulfide ammonia/methylamine, formaldehyde or hydrogen fluoride (a)(b)(c)	
		<b>60928</b>	P100/Organic vapor/Acid gas (d)		
<b>6009</b>	Mercury vapor or chlorine gas (a)(b)	<b>60929</b>	P100/Mercury vapor or chlorine gas (a)(b)		

\* For respiratory protection against the following contaminants up to 10X PEL with half facepiece respirators and full facepiece respirators when qualitatively fit tested, or 50X PEL with full facepiece respirators when quantitatively fit tested.

- (a) All respirators and respirator/filter assemblies can be used up to the NIOSH approval limits, 10X PEL for half facepiece respirators and full facepiece respirators when qualitatively fit tested, or 50X PEL for full facepiece respirators when quantitatively fit tested or the maximum use concentration allowable in applicable OSHA standards, whichever is lower.
- (b) For specific usage, limitations and warning information, see respirator and/or filter packaging, or call 3M OH&ESD Technical Service 1-800-243-4630. In Canada call 1-800-267-4414.
- (c) OSHA regulations require that gas-proof goggles be worn with half facepiece respirators when used against formaldehyde.
- (d) As recommended by the California Department of Pesticide Regulation No. 01-099 Methyl Bromide Field Fumigation.

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

To complete a 3M™ Dual Airline Respirator System, select a facepiece, an adapter kit and an air supply hose. For example: FF-402 + SA-2000 + W-9435-100 = complete system

Accessories and Replacement Parts	High Pressure	Low Pressure
<b>Standard Back-Mounted Adapter Kit.</b> Includes SA-2500 Breathing Tube, GVP-127 Belt and SA-1009 Air Regulator or SA-1029 Connector (low pressure).	SA-2000	SA-2000LP
<b>Combination Back-Mounted Adapter Kit.</b> Includes 2600 Breathing Tube, GVP-127 Belt and SA-1009 Air Regulator or SA-1029 Connector (low pressure). Cartridges/Filters not included.	SA-2100	SA-2100LP
<b>Standard Front-Mounted Adapter Kit.</b> Includes SA-1500 Breathing Tube, GVP-127 Belt and SA-1009 Air Regulator or SA-1029 Connector (low pressure).	SA-1000	SA-1000LP
<b>Combination Front-Mounted Adapter Kit.</b> Includes SA-1600 Breathing Tube, GVP-127 Belt and SA-1009 Air Regulator or SA-1029 Connector (low pressure). Cartridges/Filters not included.	SA-1100	SA-1100LP

## Replacement Parts FF-400 Series

<b>FF-400-01</b>	Head Harness Buckle
<b>FF-400-02</b>	Head Harness Button
<b>FF-400-03</b>	Lens Assembly
<b>FF-400-04</b>	Head Harness
<b>FF-400-05</b>	Frame Assembly w/Screw
<b>FF-400-06</b>	Comfort Cradle
<b>FF-400-07</b>	Exhalation Valve Assembly

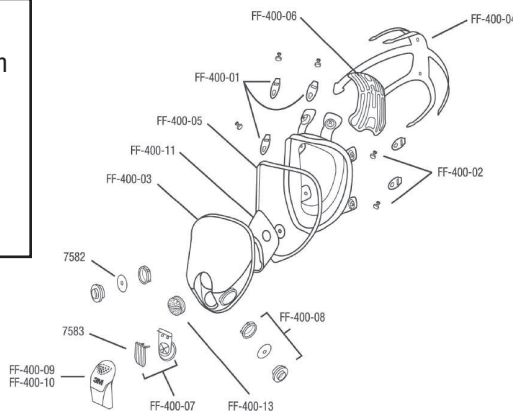
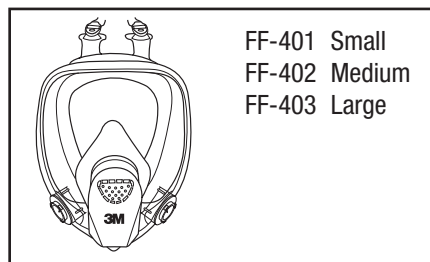
<b>FF-400-08</b>	Bayonet Assembly Inhalation Valve
<b>FF-400-09</b>	Exhalation Valve Cover (Standard)
<b>FF-400-10</b>	Exhalation Valve Cover (Solid)
<b>FF-400-11</b>	Nose Cup Assembly
<b>FF-400-13</b>	Speaking Diaphragm Assembly
<b>7582</b>	Inhalation Valve
<b>7583</b>	3M™ Cool Flow™ Valve

## Accessories FF-400 Series

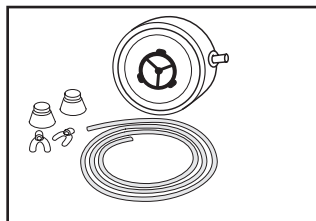
<b>FF-400-20</b>	Spectacle Kit
<b>FF-400-15</b>	Lens Cover
<b>FF-400-17</b>	Semi-Permanent Lens Cover

## Full Facepiece FF-400 Series

Facepieces per box	Facepieces per case
1	4



## 3M™ Quantitative Fit Test Adapter 601



For use with all 3M bayonet attachment facepieces.

## 3M™ Fit Test Kits

- FT-10 Qualitative Fit Test Apparatus
- FT-20 Qualitative Training and Fit Testing Case (sweet solution)
- FT-30 Qualitative Fit Test Apparatus (bitter solution)

For more information, please contact:

**3M Occupational Health and Environmental Safety Division (OH&ESD)**

**In the U.S., contact:**

**Customer Service**  
1-800-328-1667

**Technical Assistance**  
1-800-243-4630

**Website**  
[www.3M.com/OccSafety](http://www.3M.com/OccSafety)

**For other 3M products**  
1-800-3M HELPS

**In Canada, contact:**

3M Canada Company, OH&ESD  
P.O. Box 5757  
London, Ontario N6A 4T1

**Customer Care**  
1-800-364-3577

**Technical Assistance (Canada only)**  
1-800-267-4414

**Website**  
[www.3M.ca/safety](http://www.3M.ca/safety)

**Technical Assistance In Mexico**  
01-800-712-0646  
5270-2255, 5270-2119 (Mexico City only)  
**Technical Assistance In Brazil**  
0800-132333



**Occupational Health and Environmental Safety Division**  
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