# 3M Respiratory Protection SELECTION GUIDE

Protecting your way of life.



### How to use the Selection Guide



This symbol indicates additional products and filters are required in conjunction with the Reusable Respirator.

	Agricultural		E M	- 99		12	TR		R
	SPECIALIST SELECTION	C Extra Product Required		Care Co			C. Martin	- (B)	6
Select your type of WORK & HAZARD	WORK	HAZARD	9312	8512	8514	9913V	7500	6800	AIRL
,	Ploughing, composting, grain production	Organic dusts	0						
	Welding, metal cutting	Metal turnes		0	3207				
	Welding (esp. TIG & MIG), welding coated metal	Metal fumes, Ozone	1		<b>S</b>			1	1
	Spraying low vapour pressure pesticide, herbicide, or fungicide	Organic vapour, misl, dust				<b>S</b>	<b>V</b>		
	Mixing pesticide, herbicide, or fungicide, or spraying organic vapours	Organic vapour, mist, dust	-				0 6051/5925/501		
See 3M SPECIALIST SELECTION —	Working near fermentation tanks or removing skins	Carbon ditxide (CO <sub>2</sub> )		1					<b>S</b>
	Chemical handling	Sodium hypochlorite (NaClO)		1				Sec. 2128	(
	Chemical handling	Sulphuric acid (H.SO.)		1				2128	
	Chemical handling	Caustic cleaners	0	4					
	Cylinder / Gas injection	Suphur dioxide (SO <sub>2</sub> )						06057	
ALTERNATE SELECTION	Cylinder / Bas injection	Ammonia (NHJ)						6054	
for the same kind of work & hazard	ALTERNATE SELECTION	······································	9310 8812 8710	9322 9320 8822 8210 7500 2125	8247 750002128	750002128 4251	6000 of filters	6800 filters 6000DIN ofilters	

protection product for work and hazard. For example 9310, 8812 or 8710 are suitable alternatives for 9312 in these instances.

HOW TO USE

Agricultural			<b>1</b>	2		RP.		<b>A</b>
SPECIALIST SELECTION (	Extra Product Required				-			18
WORK	HAZARD	9312	8512	8514	9913V	7500	6800	AIRLINE
Ploughing, composting, grain production	Organic dusts	<b>S</b>						
Welding, metal cutting	Metal fumes		<b>S</b>					
Welding (esp. TIG & MIG), welding coated metal	Metal fumes, Ozone and nuisance odour			<b>S</b>				
Spraying low vapour pressure pesticide, herbicide, or fungicide	Organic vapour, mist, dust				<b>S</b>			
Mixing pesticide, herbicide, or fungicide, or spraying organic vapours	Organic vapour, mist, dust					6051/5925/501		
Working near fermentation tanks or removing skins	Carbon dioxide (CO <sub>2</sub> )							<b>S</b>
Chemical handling	Sodium hypochlorite (NaClO)						<b>S</b> 2128	
Chemical handling	Sulphuric acid (H <sub>2</sub> SO <sub>4</sub> )						<b>S</b> 2128	
Chemical handling	Caustic cleaners	<b>S</b>						
Cylinder / Gas injection	Sulphur dioxide (SO <sub>2</sub> )						<b>S</b> 6057	
Cylinder / Gas injection	Ammonia (NH₃)						<b>S</b> 6054	
ALTERNATE SELECTION		9310 8812 8710	9322 9320 8822 8210 7500 2125	8247 7500 2128	7500 2128 4251	6000⊖filters 6800⊙filters	7800 filters 6800DIN filters 4279	

AGRICULTURAL

Automotive			1			
SPECIALIST SELECTION 🗯	Extra Product Required		The A.			
WORK	HAZARD	9312	8512	8514	7500	AIRLINE
Drilling, grinding, sanding, or sawing	Dust	<				
Welding, metal cutting	Metal fume		<			
Welding (esp.TIG & MIG), welding coated metal	Metal fumes, Ozone and nuisance odour			<b>S</b>		
Cleaning or using organic solvents, degreasing, paint thinners and glues	Organic vapour				6051	
Spray painting	Organic vapour and mist				€ 06051/5925/501	
Spray painting of 2 pack paints	Isocyanate					<b>S</b>
ALTERNATE SELECTION		9310 8812 8710 Powered Air	9322 9320 8822 8210 7500 2125	7500 <b>0</b> 2128 8247	6000 filters Powered Air Airline	

AUTOMOTIVE

Fibre G	lass	And the second s			D Respirato
SM SPECIA	LIST SELECTION <sup>CExtra Product</sup>				And A Contraction of the second secon
WORK	HAZARD	9312	7500	AIRLINE	9913V
Laying up	Epoxy and polyester resin		<b>6051</b>		
Laying up	Amine and anhydride hardener		<b>S</b> 6051		
Laying up	Methyl Ethyl Ketone Peroxide (MEKP)		<b>Solution</b> 6051		
Laying up	Styrene vapour		<b>S</b> 6051		
Using a chopper gun	Glass fibre, dust, resin, and styrene vapour		🚭 😂 6051/5925/501		
Sanding and cutting	Glass fibre, dust	<b>S</b>			
Spray painting	Organic vapour and mist		🚭 😂 6051/5925/501		
Spray painting of 2 pack paints	Isocyanate			<	
Cleaning moulds	Organic vapour		🚭 🕄 6051/5925/501		
Casual exposure	Nuisance level organic vapour				<b>S</b>
ALTERNATE SELECTIO	DN	9310 8812 8710 Powered Air	6000 filters 6800 filters Powered Air		7500 © 6051 9913 6800 © 6051



Floor Sar	nding	Handbergan Scholaren Handbergan Handbergan Handbergan Handbergan	nié ann providené k delečati r pototi	31		
SM SPECIALIS	SELECTION Sequired	Reality Contraction		3M Free		
WORK	HAZARD		9312		7500	AIRLINE
Drilling, grinding, sanding, sawing	Dust from timber, cement, masonry		<b>S</b>			
Asbestos sheet removal (manual)	Asbestos fibre and other dust		<b>S</b>			
Cleaning with solvents	Organic vapour				✓ ♥ 6051/5925/501	
Gluing	Organic vapour				€ \$ 6051/5925/501	
Painting with brush or roller	Organic vapour				🚭 🕄 6051/5925/501	
Spray painting	Organic vapour and mist				♦ € 6051/5925/501	
Hand application of 2 pack paint	Isocyanate				♦ 6051	
Spray painting of 2 pack paint	Isocyanate					<b>S</b>
ALTERNATE SELECTION		9310 8	812 8710	Powered Air	6000 filters 6800 filters Powered Air	
			FLOOR S	ANDING		

Home Renovation		Model-and the Protection of the		
SM SPECIALIST SEL	ECTION 🕄 Extra Product Required		minespirator	
WORK	HAZARD	9312	9913V	7500
Sanding	Dust from timber, plaster, painted surfaces	<		
Asbestos sheet removal (manual)	Asbestos fibre and other dust	<		
Cutting	Dust from timber, MDF, masonry, plaster board, concrete	<		
Gardening	Organic dust from fertilizer and manure	<		
Stripping paint	Methylene chloride vapour (nuisance levels)		<	
Painting with brush or roller	Organic vapour (nuisance levels)		<	
Spray painting	Organic vapour			<b>6051/5925/501</b>
ALTERNATE SELECTION		9310 8812 8710	9913 7500 6051 6800 6051	6000 filters 6800 filters Powered Air
		НОМЕ		

Welding & Engineering						A CO
STATES SELECTION STATES SELECTION			A REAL PROPERTY AND A REAL	1000		
WORK	HAZARD	9312	8512	8514	7500	AIRLINE
Dust generating activity such as digging, crushing, sanding, or sawing	Dust	<				
Metal cutting, metal pouring, welding, soldering, brazing	Metal fume		<			
Welding (esp.TIG & MIG), welding coated metal	Metal fumes, ozone and nuisance odour			<		
Cleaning or using organic solvents	Organic vapour and mist				€ 6051/5925/501	
Spray Painting	Organic vapour and mist				✔ \$\$ 6051/5925/501	
Spray Painting of 2 pack paint	Isocyanate					<
ALTERNATE SELECTION		9310 8812 8710 Powered Air	9322 9320 8822 8210 7500©2125	8247 7500 2128	6000 filters 6800 filters Powered Air	
			W	ELDING		

Woodwork		Professional Antonio A		A A	D Harpieran
SM SPECIALIST SELE	CTION 🕃 Extra Product Required				the second secon
WORK	HAZARD	9312	7500	AIRLINE	9913V
Drilling, sanding, sawing, turning	Dust	<			
Wood treatment and finishing applications, assembly	Resins, organic vapour, adhesive		€ 6051/5925/501		
Paint stripping	Methylene chloride vapour (low level)		♦ 6051		
Paint stripping	Methylene chloride vapour (high level)			<	
Spray painting of 2 pack paint	Isocyanate			<	
Working with MDF board					<
ALTERNATE SELECTION		9310 8812 8710 Powered Air	6000 filters 6800 filters Powered Air		9913 7500 06075/5925/501

#### WOODWORK

# **Cupped Respirators**



✓ 3M<sup>™</sup> Cupped Respirators are an excellent balance of performance and cost.

Protection against: dust and mists (P1), dust, mists, and thermally generated fumes (P2).

### 3M CODE

8710	P1 Filter, easy to fit
8812	P1 Filter with 3M <sup>™</sup> Cool Flow <sup>™</sup> Valve for greater comfort
8210	P2 Filter, easy to fit
8822	P2 Filter, with Cool Flow Valve for greater comfort
9913	GP1 Filter, approved for agriculture type chemicals
9913V	GP1 Filter, approved for agriculture type chemicals, with Cool Flow Valve
8512	P2 Filter, Welding Respirator, with Cool Flow Valve
8514	P2 Filter, Welding Respirator, with Cool Flow Valve, with Charcoal

# **Flat Fold Respirators**





✓ 3M<sup>™</sup> Flat Fold Respirators use a patented 3 panel flat fold design which provides more comfort than the traditional cup shaped respirators.

Protection against: dust and mists (P1), dust, mists, and thermally generated fumes (P2).

9310	P1 Filter in unique 3 panel Flat Fold design
9312	P1 Filter in unique 3 panel Flat Fold design with 3M <sup>™</sup> Cool Flow <sup>™</sup> Valve for greater comfort
9320	P2 Filter in unique 3 panel Flat Fold design
9322	P2 Filter in unique 3 panel Flat Fold design with Cool Flow Valve for greater comfort

# **Disposable Half Face Respirators**

DISPOSABLE HALF FACE



✓ 3M<sup>™</sup> Disposable Half Face Respirators combine carbon filters directly with a comfortable half face respirator in a re-usable storage bag.

Protection against vapours and particles 4251 A1P2 Organic Vapour, dust, mist, fumes 4255 A2P2 Organic Vapour, dust, mist, fumes Organic Vapour (BP>65°C), Inorganic and 4277 A1B1E1P2 Acid Gases, dust, mist, fumes 4279 A1B1E1K1P2 Organic Vapours (BP>65°C), Inorganic and Acid Gases, Ammonia and Methylamine, dust, mist, fumes

COLOUR CODE

HAZARD

TYPE

# **Half Face Respirators**





✓ 3M<sup>™</sup> Half Face Respirators offer high performance protection.

Protection against dusts, mists, fumes, and vapours, using the wide variety of replaceable filters and cartridges, particle filters and disc filters.

HALF FACE

6100B: Small 6200B: Medium 6300B: Large	Regular Half Face Respirator designed for simplicity, low maintenance and comfort.
6200DD: Medium 6300DD: Large	Drop Down Half Face Respirator designed for low maintenance, durability and comfort with drop down capability and shielded exhalation valve.
<b>7501B</b> : Small <b>7502B</b> : Medium <b>7503B</b> : Large	Premium Half Face Respirator provides the highest level of comfort, durability and versatility. Using advanced technology such as soft face materials, 3M <sup>™</sup> Cool Flow <sup>™</sup> Valve, and a reduction strap tension, the 7500 offers a new standard in user comfort.

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# **Full Face Respirators**

### 3M CODE



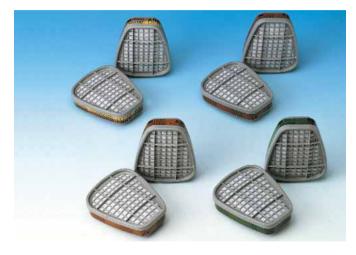
SM<sup>™</sup> Full Face Respirators offer high performance protection.

Protection against dusts, mists, fumes, and vapours, using the wide variety of replaceable cartridges, particle filters and disc filters.

FULL FACE

6700: Small 6800: Medium 6900: Large	Regular Full Face Respirator provides comfort and a wide field of vision for the user.
6700DIN: Small 6800DIN: Medium 6900DIN: Large	Full Face Respirator provides comfort and a wide field of vision for the user. Used in conjunction with the 3M <sup>™</sup> DIN threaded filter Canisters.
7800S(M): Medium 7800S(L): Large	Full Face Respirator incorporating unique durable double silicone face seal to provide maximum fit and comfort in aggressive environments.

# **Cartridge Filters**



SM<sup>™</sup> Cartridge Filters are used in conjunction with the 3M<sup>™</sup> Half Face or Full Face Respirators.

Can be combined with 3M<sup>™</sup> Particle Filters

Protection against specific gas and vapour hazards

3M CODE	ТҮРЕ	HAZARD	COLOUR CODE
6051	A1	Organic Vapours (BP> $65^{\circ}$ C)	
6054	K1	Ammonia, Methylamine	
6057	A1B1E1	Organic Vapours (BP>65 $^{\circ}$ C), Inorganic and Acid Gases	
6059	A1B1E1K1	Organic Vapours (BP>65 $^{\circ}$ C), Inorganic and Acid Gases, Ammonia and Methylamine	
6075	A1Form	Organic Vapours (BP>65 $^{\circ}$ C), Formaldehyde	
6096	Hg P2/P3	Mercury Vapours, and Particulates	
6035	P2/P3 Particulate	Does not require a 3M <sup>™</sup> Particulate Filter Retainer 501	



### **Particle Filters**

#### 3M CODE



SM<sup>™</sup> Particle Filters are used in conjunction with 3M<sup>™</sup> Cartridge Filters.

Protection against particulate hazards.

5925	P2 Particulate. Requires 3M <sup>™</sup> Filter Retainer 501	
501	Holds the 3M Particle Filter 5925 onto a 3M <sup>™</sup> Gas and Vapour Cartridge Filter	

PARTICLE FILTERS

### **Disc Filters**



### 3M CODE

SM <sup>™</sup> Disc Filters are used	
in conjunction with the	
3M <sup>™</sup> Half Face or Full Face	
Respirators.	

Protection against particulate hazards.

2125	P2 Particulate
2128	GP2 Particulate with Nuisance level Organic Vapour and Acid Gas capability. Rated for Agricultural Chemicals.
2135	P2/P3 Particulate
2138	GP2/P3 Particulate with Nuisance level Organic Vapour and Acid Gas capability. Rated for Agricultural Chemicals.
2076	P2 Particulate with Hydrogen Fluoride and nuisance level Acid Gas capability.



### **Powered Air**



SM offers a wide variety of Powered Air solutions to meet virtually all applications.

Service Centre located in Sydney.

For information on the wide range of Powered Air products, please contact your 3M Representative on 136 136 or call 3M TechAssist on toll free 1800 024 464.



### **Important Information**

#### Use Limitations:

These respirators do not supply oxygen. Do not use when contaminant concentrations are: immediately dangerous to life and health; unknown; above the maximum use limitations for each respirator type. Do not use in atmospheres containing less than 19.5% oxygen. Do not abuse, modify or misuse any respirator. Do not use close fitting respirators (half facepiece or full facepiece) with beards or other facial hair that prevent direct contact between the face and the respirator sealing surface.

For Mining and Smelting product recommendations, please refer to the 3M Australian Mining Website.

www.3m.com/mining/Australia A downloadable catalogue is available from this site. Please refer to the 'Worker Safety' section.



WARNING

These respirators help protect against certain dusts, fumes, mists, gases and vapours but do not eliminate exposure to or the risk of contracting disease or infection. Misuse may result in sickness or death. Nuisance levels are those levels below the Worksafe Australian Exposure Standards

#### Note:

Because air contaminant types and concentrations vary from site to site this Selection Guide is a guide only. Selection of the most appropriate respirator should be made by a person familiar with the benefits and limitations of respirators.

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### How to contact us

#### Please contact 3M through the following:

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World Wide Web	www.3m.com/au/ohs

INFORMATION