

3M Personal Safety Division  
3M™ Supplied Air Respirator System S200+



Work  
in a World of  
Comfort

The Power To Protect Your World<sup>SM</sup>



# The New 3M™ S-200+ Supplied Air Respirator System Engineered for comfort and security

## Introduction

The 3M™ Supplied Air Respirator System S-200+ is a comfortable and versatile supplied air respirator system for use with a wide range of 3M™ Half and Full Face Reusable Masks. The S-200+ System can be used as a standard airline respirator system or in dual-mode with filter back-up when air supply is disconnected.

Engineered to deliver additional comfort and security, the S-200+ features double-action safety couplings to help minimise the risk of accidental disconnection during use and an adjustable airflow feature so you can control the air across your face for maximum comfort.

## Applications

The S-200+ System, when used with an approved 3M™ Face Mask provides respiratory protection against:

- Particles e.g. fine dusts, aerosols, paint spray or metal fume
- Gases and vapours
- Particles, gases and vapours combined

Application	Typical Industry
Spray Painting	General Transport
	Automotive & Aerospace
	Metal Fabrication
	Shipbuilding
Glass Fibre Fabrication	Oil and Gas
	Boat Building
	Wind Turbine Manufacturing
Powder Coating	Metal Fabrication
	Pharmaceutical
Material Handling	Chemical
	Agrochemical
	Laboratory



## Features and Benefits

### NEW! ATEX Tested

- Assessed in accordance with the requirements of the ATEX directive and in accordance with EN13463-1 for non-electrical equipment.\*
- Suitable for use in IIB 2GD environments under certain conditions. Please see relevant user instructions for further details.

### Quick and Easy Maintenance

- Easy to maintain, spare parts are quick, easy and intuitive to replace



### Cool and Comfortable

- Lightweight and balanced system with a constant flow of air across the face for a cooler and more comfortable wear

### Adjustable Airflow

- Lockable airflow adjustment knob giving you full control of a range of input pressure

### NEW! Double Action Couplings

- Help to minimise the risk of accidental disconnection during use giving you enhanced confidence in protection
- Stainless Steel CAST Connection, offering improved corrosion resistance in tough conditions

### NEW! Flow Check Bag FCB-01

- The S-200+ includes a Flow Check Bag allowing you to conduct a simple pre-use check to ensure that the correct amount of air is being delivered - giving you peace of mind



### Top Performance

- Tested and approved to EN 14594:2005
- Meets the highest level of protection, Class 4B for continuous flow supplied air respirators when fitted to a full face mask\*\*

### Easy Movement

- Low profile, narrow-bore breathing tube for ease of movement
- Helps to reduce interference with your work

### Easy to Connect

- Robust, proven bayonet connection to the facepiece and filter provides easy fitting with confidence of security



\* Valid only when fitted with a 3M 308-00-72P Antistatic Compressed Air Supply Tube.

\*\* When used with a 3M™ recommended Full Face mask the product meets the requirements for a class 4A/B device. When used with a 3M™ recommended Half Face mask the product meets the requirements for a class 3A/B device.

## Select Your Individual Respirator System:

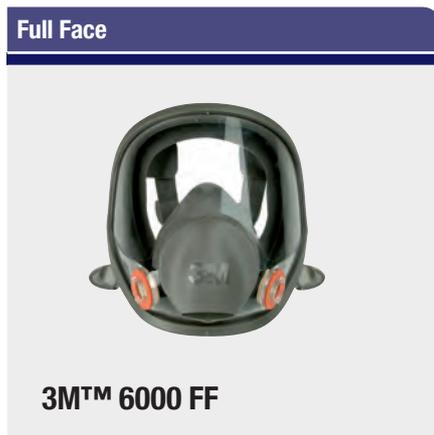
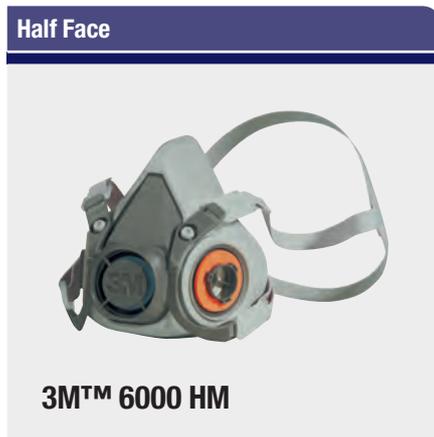
- 1 | Select your S-200+ air delivery unit
- 2 | Select your half face or full face mask
- 3 | Select your filters (for use in dual-mode)
- 4 | Select the appropriate air supply tube
- 5 | Select your accessories and air tools (optional)

### 1 | Select the S-200+ Air Delivery Unit



### 2 | Select a Half Face or Full Face Mask

The S-200+ System can be combined with a wide range of 3M Masks:



### Gas & Vapour Filter



#### 3M™ 6051

Organic Gases and Vapours (boiling point >65°C) up to 1000ppm (A1)

### Gas & Vapour Filter



#### 3M™ 6054

Ammonia and Ammonia based Gases and vapours (K1)

### Gas & Vapour Filter



#### 3M™ 6055

Organic Gases and Vapours (boiling point >65°C) up to 5000ppm (A2)

## 3 | Select your filters (if used in Dual Mode)

The 3M™ Respirator System S-200+ can be used as a standard airline respirator or in dual-mode with a wide range of 3M™ filters that provide continuous protection when the air supply is disconnected.

### Gas & Vapour Filter



#### 3M™ 6057

Combination Organic Gases and Vapours (boiling point >65°C), Inorganic and Acid Gases (ABE1)

### Gas & Vapour Filter



#### 3M™ 6059

Combination Organic Gases and Vapours (boiling point >65°C), Inorganic, Acid and Ammonia based Gases (ABEK1)

### Gas & Vapour Filter



#### 3M™ 6075

Organic Gases and Vapours (boiling point >65°C) plus formaldehyde (up to 10ppm) (A1)

### Combination Filter



#### 3M™ 6096

Organic Gases and Vapours (boiling point >65°C), Mercury and Particulates (A1HgP3R)

### Particulate Filter



#### 3M™ 2135

Particulate Filter (P3R)

### Particulate Filter



#### 3M™ 2138

Particulate Filter + nuisance vapours (P3R)

### Particulate Filter



#### 3M™ 5935

Particulate Filter (P3R)

### Filter Retainer



#### 3M™ 501

5000 Series Filters can be used with 6000 Series Filters for combined gas and particulate protection in conjunction with a 501 Filter Retainer

## 4 | Select your Air Supply Tube



#### Part No: 308-00-40P

7.5m Light Duty CAST



#### Part No: 308-00-30P

10m Standard Duty CAST



#### Part No: 308-00-31P

30m Standard Duty CAST



#### Part No: 308-00-72P

10m Standard Duty, anti-static, heat resistant CAST



#### Part No: 530-12-81P3

Note: you also need the 3/8" BSP Rectus 95 Coupling Set

## 5 | Accessories

### 3M™ Aircare™ Filtration Unit

The 3M™ Aircare™ Filtration Unit can be combined with the S-200+ Supplied Air Respirator System. The three-stage filtration system supplies highest quality air to the Supplied Air Respirator System and compressed air tools by removing water and oil aerosols, particles and odours from the facility-supplied compressed air.

#### Air Filtration Unit



**3M™ Aircare™ Filtration Unit ACU-03 (Wall mounted)**

#### Air Filtration Unit



**3M™ Aircare™ Filtration Unit ACU-04 (Free standing)**

### Branch Sets

The branch sets allow you to connect two or three users to the same 3M Aircare™ Filtration Unit.

#### Branch Set



#### 2-Way Branch Set

3/8" female pipe thread BSP,  
incl. 3/8" BSP adapters  
Part No: 312-03-01P3

#### Branch Set



#### 3-Way Branch Set

3/8" BSP,  
incl. 3/8" BSP adapters  
Part No: 312-03-00P3

### 3M™ 107 Carry Bag

Premium storage solution for your storing your S-200+ Air Delivery Unit, mask, filters, air tools and accessories:

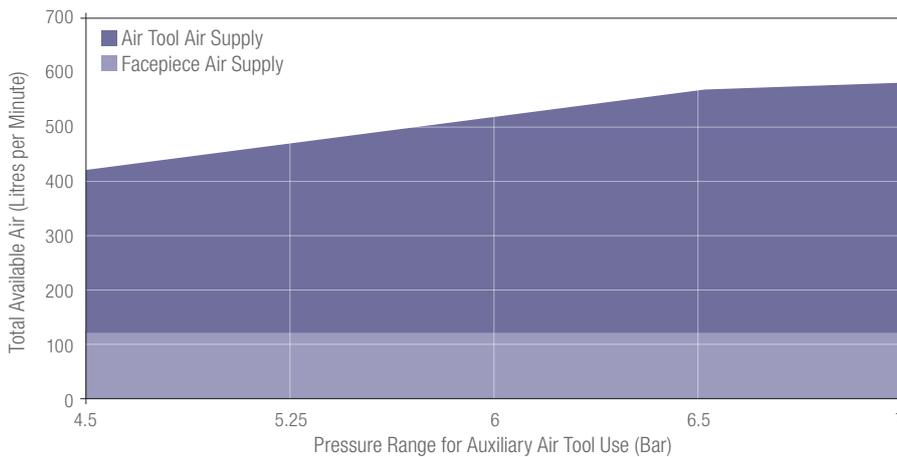
- Premium quality materials/fasteners
- Rigid panels for durability and robustness, yet still lightweight
- Place name holder for customisation
- Adjustable carry strap to make carrying PPE and equipment easier



## Auxiliary Air Tools

A wide range of air tools can be fitted to the 3M™ S-200+ Supplied Air Respirator System eliminating the need for multiple airlines when working.

The chart below shows the amount of air available for auxiliary air tool use when the 3M™ S-200+ Supplied Air System is set to its minimum flow setting. 3M recommends that auxiliary air tools are only used in combination with the S-200+ Supplied Air System between 4.5 and 7 Bar. Note: Increased flow to the mask will reduce the air available to the auxiliary air tool at any given pressure. Always ensure that the air tool to be used with the S-200+ is compatible for use and can deliver the performance required.



## 3M™ Accuspray™ System

The 3M™ Accuspray™ System is compatible for use with the 3M™ S-200+ Supplied Air Respirator System.

- Gives like-new spray gun performance on demand
- Innovative technology gives efficient and economical application of primer with each atomising head delivering a large usable pattern
- Very low overspray and exceptional atomisation

For full performance details and user instructions, please see all information for use of the 3M™ Accuspray™ System before use.



# Technical Specification

Part Number	Description
Standards	Tested and approved to EN 14594:2005. When used with a 3M™ recommended Full Face mask the product meets the requirements for a class 4A/B device. When used with a 3M™ recommended Half Face mask the product meets the requirements for a class 3A/B device. CE Marked.
ATEX Tested	System has been assessed in accordance with the requirements of the ATEX directive and in accordance with EN 13463-1 for non-electrical equipment. The equipment is suitable for use in IIB 2GD environments under certain conditions. Valid only when fitted with a 3M™ 308-00-72P Antistatic Compressed Air Supply Tube. Please see all relevant user information for further details.
Nominal Protection Factor (NPF)	3M Half Face masks (Class 3A/B) = 200 3M Full Face masks (Class 4A/B) = 2000
Inlet Pressure	Pressure range: 3.0-7.0 Bar Pressure range (with Auxiliary air tool connected): 4.5-7.0 Bar Maximum Pressure: 10 Bar
Outlet Flow Characteristics	Manufacturer's Minimum Design Flow (MMDf): 120l/min Maximum Flow: >350l/min
Storage Conditions	-10°C to +50°C <90% Relative Humidity
Operating temperature	0°C to +40°C <90% Relative Humidity
Weight	690g (including regulator, belt and breathing tube)
Connections	Inlet Port: CEJN 346 Auxiliary Port: ¼ inch BSP The compressed air supply used to operate the S-200+ Regulator must comply with the quality requirements of EN 12021
Limitations	The S-200+ Supplied Air Respirator system should not be used in the following conditions: <ul style="list-style-type: none"> <li>• In atmospheres containing less than 19.5% oxygen</li> <li>• Confined spaces (lack of ventilation)</li> <li>• When the risk is considered to be immediately dangerous for life or health (IDLH)</li> <li>• Where the contaminant concentration is above the Threshold Limit Value defined for the facepiece used</li> </ul>

## Spare Parts and Accessories

Part Number	Description
S-212	Regulator
S-222	Breathing Tube
C-340	Overflow Valves
C-321	Spray Gun Adaptor
FCB-01	Flow Check Bag
301-00-62P5	Belt
308-00-30P	10m Standard Duty CAST
308-00-31P	30m Standard Duty CAST
308-00-40P	7.5m Light Duty CAST

Part Number	Description
308-00-72P	10m Standard Duty, Anti-static, Heat Resistant CAST
530-12-81P3	Socket and Plug Set – Rectus 95
312-03-01P3	2-way Branch Set
312-03-00P3	3-way Branch Set
ACU-03	Aircare Filtration Unit – Wall mounted
ACU-04	Aircare Filtration Unit – Free standing
105	Cleaning Wipes
107	Storage Bag

**Note:** 3M does not accept responsibility or liability, direct or consequential, arising from reliance upon any information provided and the user should determine the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence or fraudulent misrepresentation.



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