



INSTRUCTIONS FOR:

COMPLETE AIR FED BREATHING SYSTEM

MODEL NO: **SSP201K, SSP201(Mask & Belt Only)**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.

The SSP201 is the Full Face Mask and Belt assembly only, which must be used in conjunction with coalescing filter SSP21X and low toxic breathing hose SSP20H to provide clean air. The SSP201K is the complete air-fed full face mask system (see parts list). All further references relate to the SSP201K complete kit.



Refer to Instructions

1. SAFETY

1.1. General

- The SSP201K Complete Air Kit system is **NOT** designed for use in atmospheres containing flammable gas mixtures.
- The SSP201K is designed for use against contaminants which are **NOT** immediately dangerous to life and health or where self-contained breathing apparatus is not essential.
- SSP201K is designed for use with **COMPRESSED AIR ONLY. DO NOT USE WITH COMPRESSED OXYGEN OR OXYGEN ENRICHED AIR.**
- No protection is given unless the mask is correctly fitted and an adequate supply of breathing air is maintained.
- Only when the equipment is correctly worn, will it provide the prescribed degree of protection.
- The SSP201K is the correct apparatus for persons with a beard or facial hair. **DO NOT** use a half mask.
- A combination of wall mounted filter SSP21X and belt mounted carbon filter unit **WILL NOT** remove Carbon Monoxide, Carbon Dioxide, or other toxic gases. Wall mounted filter SSP21X is designed to remove particulate and moisture from the air supply.
- If you are in any doubt as to the suitability of the equipment for the work to be undertaken, consult your supplier.
- 1.2. Negative Pressure**
- At high work rates air pressure within the mask may become negative (a vacuum) briefly as the user breathes in.
- The apparatus has a maximum flow of 232 ltr/min and **MUST NOT** be used where work rate will require a supply in excess of 232 ltr/min.
- 1.3. Compressed Air Supply**
- The user **MUST** ensure that the air supply to the apparatus is within the limits recommended. The air supply should be dry to avoid the risk of freezing in cold conditions.
- If the air supply ceases, or is reduced significantly, withdraw from contaminated atmosphere immediately and check system for faults.

2. INTRODUCTION

SSP201K

A full kit of equipment manufactured to provide a protection factor of APF40. Primarily for use in automotive spray shops but also suitable for use in none critical dust and fume applications. Allows user to safely perform all the tasks of cutting, grinding and spraying. Includes complete head set which has wide vision, is easily adjustable and has a built in audible alert for low airflow. Waist belt assembly with a fixed flow control and easy to change carbon deodorizing element. Supplied with 10mtr low toxic hose with 1.5mtr leader hose and a complete set of couplings. Adheres to the following standards EN14594 class 3A, EN166 and EN12021

SSP201

Air fed mask and belt filter for Model No. SSP201K. Light durable mask with specially shaped visor to reduce glare and reflection providing a wide field of vision. Waist belt assembly with a fixed flow control and an easy to change carbon deodorizing element.



The SSP201K system comprises a lightweight mask connected via a breathing hose to a pre-set regulator, with spare carbon filter, mounted on a comfortable waist belt with quick release buckle. The hose kit consists of a compressed air supply hose and couplings, fitted with a "Y" piece which connects to the pre-set regulator. A 1.5 metre compressed air supply hose is provided for connection of a spray gun. A wall-mounted coalescing filter is supplied in the kit.

SSP201 Comprises mask and waist belt only

3. SPECIFICATION

Model No: **SSP201K**
 Operating Pressure: 30-100psi (2-7bar)
 Maximum Pressure: 116psi (8bar)
 Air Flow: 150-180ltr/min (5.4-6.4cfm)
 Maximum Operating Temperature: 35°C

UK Protection Factor: 40
 Hose Diameter: 8mm
 Main Hose Length: 10mtr
 Leader Hose Length: 1.5mtr

4. OPERATING PARAMETERS

4.1. Air Quality:

The wall mounted coalescing filter SSP21X used in conjunction with the belt mounted carbon filter will give breathing quality air to if the correct maintenance and servicing instructions are followed (Part 8). These standards state that air supply for breathing should **NOT** contain impurities in excess of:

Carbon Monoxide....5ppm (5.5mg/m³) Carbon Dioxide....500ppm (900mg/m³) Oil Mist Particles....0.5mg/m³

Note: Air should be free of odour and contamination. We recommend fitting a pre-filter before the coalescing filter.

WARNING! This filter does not remove Carbon Monoxide, Carbon Dioxide or other toxic gases!

4.2. Compressed Air Supply Hose:

The approval granted for this equipment includes the compressed air supply hose; it is therefore essential that the equipment is used only with listed hoses (see parts list).

4.3. Working Temperature and Storage:

The SSP201K is designed to operate in the temperature range 1.50C to 500C with humidity up to 80% RH. It is recommended that the equipment is stored in the temperature range of 00C to 400C, humidity up to 80% RH. When not in use the equipment should normally be stored in clean, dry conditions preferably in a container, e.g. a plastic bag.

4.4. Air Supply Pressure:

The SSP201K Kit is designed to operate with a compressed air supply pressure of 2-7bar (30-100psi), measured at the input to the supply hose. The mask requires a minimum supply of 150ltr/min (5.4cfm) and if used with a spray gun a minimum of 620ltr/min (21cfm) must be available at 6bar (90psi).

WARNING REMINDER!

The kit is designed for use against contaminants which are not immediately dangerous to life and health, or where self contained breathing apparatus is not essential. It is possible that, at very high work rates, the air pressure within the mask may momentarily become negative as the user breathes in. If this happens, seek technical advice. The kit is designed for use with compressed air only, (compressed oxygen enriched air sources must not be used). Should there be any doubt about the suitability of the equipment for the work at hand, consult your supplier. If the air supply ceases or is significantly reduced, immediately withdraw from the contaminated atmosphere and check the system for faults.

5. WORK AREA

When setting up to work with the kit check:

- 5.1. That it is possible to measure the air supply pressure.
- 5.2. That the compressed air supply will deliver within the required pressure range (see 4.4).
- 5.3. That the air supply is to breathable standard (see 4.1).
- 5.4. That there is sufficient length of compressed air supply hose for the operator to carry out the work in hand and to enter and leave the work area without removing the protective equipment.

6. EQUIPMENT

6.1. Before each use check that:

- 6.1.1. Apparatus is complete and in good condition, all connections are tight and there are no air leaks. **DO NOT** use if damaged!
- 6.1.2. The coalescing filter is clean.
- 6.1.3. The compressed air supply hose is in good condition and the connections are tight.
- 6.1.4. The preset regulator and filter element are clean, the filter shows no signs of changing colour from white to pink and there are no traces of odour in the air downstream of the filter. Change filter if necessary.
- 6.1.5. The harness, brow guard, skirt and visor are clean and show no signs of deterioration or damage. Any condensation must be removed before putting the mask on.
- 6.1.6. The visor supply hose is firmly connected to the waist belt assembly.
- 6.1.7. The breathing hose assembly is in good condition and all connections are tight.
- 6.1.8. Belt is correctly threaded through the bracket to position regulator in the small of the back.
- 6.1.9. The buckle locks securely.
- 6.1.10. The paint spray connector shuts off when the spray gun is not attached.

6.2. Flow Check

Note: The fixed regulator is factory set and will give the correct air flow so long as an approved length of compressed air supply hose is being used and the supply pressure to the hose is as specified.

7. OPERATION

WARNING: Only when the equipment is fitted and worn correctly as described below will it provide the prescribed protection.

- 7.1. Fasten belt around the waist with the preset regulator situated in the small of the back.
- 7.2. Place the mask on the head and check height setting. Ensure head band is not too low on the brow. If necessary adjust crown strap until correct height adjustment is achieved. With mask on head turn adjuster knob to obtain a firm and comfortable fit. Any condensation must be removed before fitting the mask.
- 7.3. Connect compressed air supply hose to the preset regulator. If vibration occurs upon connection, decouple and re-connect slowly.
- 7.4. Connect the spray gun hose to the supply hose if required.
- 7.5. When walking, the trailing leader hose should be grasped firmly in one hand to prevent the hose connector, or the preset regulator from being pulled.
- 7.6. **▲Warning:** the mask is equipped with a warning whistle which sounds if the air pressure becomes too low to give adequate protection.
- 7.6.1. If the whistle sounds, **leave the contaminated area immediately.**
- 7.6.2. Remove the headset and increase the supply pressure.
- 7.6.3. Refit the mask and check; if the whistle still sounds increase the pressure further and repeat 7.6.2.
- 7.7. See HSE Practical Guide for users of respiratory protective equipment.

8. MAINTENANCE

The equipment must be checked at monthly intervals (use a record card). Care taken during and after use will ensure that the equipment gives reliable and lasting service.

The system is designed to minimise servicing. Worn or damaged components can be replaced as sub-assemblies.

8.1. Cleaning

The apparatus should be washed with a mild soap solution, wiped clean with a clean damp cloth and allow to dry. Rinse the mask with a mild detergent in tap water (see 8.3) and dry with a soft clean cloth.

IMPORTANT: DO NOT use solvents or abrasives as they will damage the equipment. See 8.3. for recommended cleaning agents.

8.2. General Maintenance.

8.2.1. Preset Regulator

This regulator is preset and sealed and can only be replaced as a complete unit.

8.2.2. Belt Mounted Filter Unit

The unit has a replacement element (Item 8) contained in a screw on/off bowl housing. This element must be replaced if its colour changes from white to pink, or if there is any trace of odour. The filter unit should be periodically subjected to a pressure differential test at full flow. If a 10psi differential is recorded then the filter requires replacing. To do so, disconnected the air supply, unscrew the element, clean the bowl with soapy water and dry thoroughly. Screw new element on (hand tight only) and check for leaks. If the bowl is scratched, pitted or discoloured, fit a new bowl. Fit bowl hand tight only, and check again for leaks.

WARNING! DO NOT hand wash or brush filter to reclaim for further use. Check flow indicator for damage.

8.2.3. Coalescing Filter

The unit has a screw on/off bowl housing the replaceable element. The element must be replaced if there is more than 10psi pressure differential, or the element has become saturated. To do so, disconnected air supply, unscrew bowl, unscrew the element and discard. Fit new element by screwing hand-tight only and check for leaks. The bowl should be cleaned with soapy water and thoroughly dried before replacing. If the bowl is scratched, pitted, or discoloured fit a new bowl.

WARNING! DO NOT attempt to reclaim the filter for further use, either by hand washing or brushing.

8.3. Recommended Cleaning Agents.

- a) Mild liquid soap solution.
- b) Anti-static cloth for goggle or visor protection.
- c) Suitable disinfectant.

Environmental Protection



Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain off any fluids (if applicable) into approved containers and dispose of the product and the fluids according to local regulations.

NOTE: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

IMPORTANT: No liability is accepted for incorrect use of this product.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.



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