SEALEY SAFETY PRODUCTS

INSTRUCTIONS FOR:

COMPLETE AIR-FED BREATHING SYSTEM

Models: **SSP200 & SSP200K**

Thank you for purchasing a Sealey Power 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

BEFORE USING THIS PRODUCT, PLEASE READ THE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS 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.

(The use of symbols in this document is to attract your attention to possible danger, and reminders, the symbols and warnings themselves do not eliminate any danger, nor are they substitutes for proper accident prevention measures).

The SSP200 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 to BS4275. The SSP200 is the complete air-fed full face mask system (see parts list). All further references relate to the SSP200K complete kit.

⚠ 1. WARNINGS

1.1. General

✓ The SSP200K Complete Air Kit system is ***NOT*** designed for use in atmospheres containing flammable gas mixtures.

✓ The SSP200K is designed for use against contaminants which are ***NOT*** immediately dangerous to life and health or where self contained breathing apparatus is not essential.

✓ SSP200K 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 donned, and worn, will it provide the prescribed degree of protection.

✓ The SSP200K 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 squeeze out 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 you may experience air pressure within the mask being momentarily “NEGATIVE” 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 range to the apparatus is within the limits recommended.

✓ If air supply ceases, or is significantly reduced, immediately withdraw from contaminated atmosphere and check system for faults.

2. INTRODUCTION

The SSP200 & SSP200K are part of a range of compressed air equipment with a variety of head pieces for use in atmospheres which include paint spray, toxic dusts, mists and fumes but where life supporting respiratory equipment *IS NOT ESSENTIAL.*

The SSP200 & SSP200K have been tested, approved and certified to BSEN270. They are designed to give maximum working life from the major components coupled with rapid and economic exchange of those parts most susceptible to wear and tear.

A comprehensive range of parts and accessories is available to ensure that the kit can always be used in the recommended manner. ***Note****: The use of improper parts and accessories may be dangerous and will invalidate the warranty.*

2.1. System Description - SSP200K

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

Upon receipt of the equipment, check parts against the parts list and ensure that all is in good condition. If you experience any problem contact your supplier immediately.

2.2. Technical Specification

Nominal Protection Factor	200	Environmental Working Temperature	1.5-50°C
Air Supply Pressure	Max 10bar (145psi) Min 4bar (60psi)	Nominal Actual Filter Life	400 operating hours (approx. 2 months)
Max Hose Length (supply to regulator)	15m	Mask Air Supply Rate	EN166.F
Mask Air Supply Rate	Max 232ltr/min Min 160ltr/min		

3. OPERATING PARAMETERS

3.1. Air Quality:
The wall mounted coalescing filter SSP21X used in conjunction with the belt mounted carbon filter will give breathing quality air to BS4275 if the correct maintenance and servicing instructions are followed (Part 7). These standards state that air supply for breathing should **NOT** contain impurities in excess of:

Carbon Monoxide....5ppm (5.5mg/m^3) Carbon Dioxide....500ppm (900mg/m^3) Oil Mist Particles....0.5mg/m^3

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!

3.2. Compressed Air Supply Tube:
The approval granted for this equipment includes the compressed air supply tube; it is therefore essential that the equipment is used only with listed tubes (see parts list).

3.3. Working Temperature and Storage:
The SSP200K is designed to operate in the temperature range 1.5°C to 50°C with humidity up to 80% RH. It is recommended that the equipment is stored in the temperature range of 0°C to 40°C, humidity up to 80% RH. When not in use the equipment should normally be stored in clean, dry conditions preferably in a container, i.e. a plastic bag.

3.4. Air Supply Pressure:
The SSP200K Kit is designed to operate with a compressed air supply pressure of 4-10bar (60-145psi), measured at the input to the supply tube. The mask requires a minimum supply of 160ltr/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.

4. WORK AREA CHECK LIST

When setting up to work with the kit check:

4.1. That it is possible to measure the air supply pressure.
4.2. That the compressed air supply will deliver within the required pressure range (see 3.4).
4.3. That the air supply is to breathable standard (see 3.1).
4.4. That there is sufficient length of compressed air supply tube for the operator to carry out the work in hand and to enter and leave the work area without removing the protective equipment.

5. EQUIPMENT CHECK LIST

5.1. Before each use check that:

5.1.1. Apparatus is complete and in good condition, all connections are tight and there are no air leaks. ***DO NOT*** *use if damaged!*
5.1.2. The coalescing filter is clean.
5.1.3. The compressed air supply tube is in good condition and the connections are tight.
5.1.4. 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.
5.1.5. The harness, brow guard, skirt and visor are clean and show no signs of deterioration or damage. Any condensation must be removed before donning the mask.
5.1.6. The visor supply tube is firmly connected to the waist belt assembly.
5.1.7. The breathing hose assembly is in good condition and all connections are tight.
5.1.8. Belt is correctly threaded through the bracket to position regulator on the hip with the compressed air supply tube pointing forward.
5.1.9. The buckle locks securely.
5.1.10. The paint spray connector shuts off when the spray gun is not attached.

5.2. 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 tube is being used and the supply pressure to the tube is as specified (see 3.4).*

The following method must be used to check the flow rate of the apparatus prior to entering the work area:

5.2.1. Connect the compressed air supply tube to the pre-set regulator.
5.2.2. Flow indicator should be in the green section.
If indicator is in either red section:
i) Check for leaks.
ii) Check compressed air supply tube.
iii) Re-test.
iv) If the flow indicator is damaged or remains in the red or green sectors when air pressure is not switched on, replace the flow indicator before using the apparatus (*see parts list item 18).*

Note: *If, upon re-test, the indicator is still within either red section, the apparatus should not be used without a complete examination of the equipment and air supply followed by a further re-test.*

6. DONNING THE APPARATUS

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

6.1. Fasten belt around the waist with the preset regulator situated above the right hip.

6.2. 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 donning the mask.

6.3. Connect compressed air supply tube to the preset regulator. If vibration occurs upon connection, decouple and slowly re-connect.

6.4. Connect the spray gun tube to the supply tube if required.

6.5. When walking, the trailing leader tube should be grasped firmly in one hand to prevent the tube connector, or the preset regulator from being pulled.

6.6. See HSE Practical Guide for users of respiratory protective equipment.

7. MAINTENANCE & SERVICE

Under COSHH regulations 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 (see parts list).

7.1. 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 7.3) and dry with a soft clean cloth.

IMPORTANT: DO NOT USE SOLVENTS OR ABRASIVES as they will damage the equipment. See 7.3. for recommended cleaning agents.

7.2. General Maintenance.

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

7.2.2. 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. It is suggested that the filter unit is 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 thoroughly dry. Screw new element on (hand tight only) and check for leaks. If the bowl is scratched, pitted or discoloured, fit a new bowl (item 9). Fit bowl hand tight only, and check for any leaks.

***WARNING!: DO NOT** hand wash or brush filter to reclaim for further use. Check flow indicator (parts list item 18) for damage.*

7.2.3. 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.*

7. 3. Recommended Cleaning Agents.

a) Mild soap solution *i.e. Fairy Liquid, manufactured by Lever Brothers.*
b) Holts anti-static cloth “Screenies” for goggle or visor protection.
c) Suitable disinfectant such as manufactured by T.H.Goldsmith, Eastcote, Middlesex.

8. DECLARATION OF COMFORMITY

Declaration of Conformity We, the sole UK importer, declare that the products listed below are in conformity with the following standards and directives.

Complete Air-Fed Breathing System
Models: SSP200 & SSP200K

BSEN270 APF40 IMPACT EN 166.F

CE

The construction files for these products are held by the Manufacturer and may be inspected, by a national authority, upon request to Jack Sealey Ltd.

Signed by Mark Sweetman  2nd August 2001

For Jack Sealey Ltd. Sole UK distributor of Sealey Safety Products.

***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 product.
WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.
INFORMATION: For a copy of our latest catalogue and promotions call us on 01284 757525 and leave your full name and address, including postcode.

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