INSTRUCTIONS FOR
AIR-FED HALF MASK SYSTEM
Models: SSP25 & SSP25K

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, 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 SSP25 is the half 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 SSP25K is the complete air-fed half mask system (see parts list). All further instruction references relate to the SSP25K Complete Kit.

⚠ 1. WARNINGS

1.1. **General**

✓ The SSP25K is designed for use against contaminants which are not immediately dangerous to life and health or where self contained breathing apparatus is not essential.

✓ The SSP25K is designed for use with COMPRESSED AIR ONLY. ***DO NOT*** *USE WITH COMPRESSED OXYGEN OR OXYGEN ENRICHED AIR.*

✓ No protection is given unless the Half 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. Persons with a beard or facial hair, must use the visor system SSP200 or SSP200K.

✓ A combination of a wall mounted filter SSP21X, and the belt mounted carbon filter unit, ***WILL NOT*** remove carbon monoxide, carbon dioxide, or other toxic gases.

✓ If you are in any doubt as to the suitability of the equipment for the work to be undertaken, consult your supplier. The Half Mask system is NOT suitable for use with respiratory, eye or skin irritant products such as “Isocynates”. In such cases you must use a visor system, SSP200 or SSP200K.

1. 2. **Negative Pressure**

✓ At very high work rates you may experience the air pressure within the mask being momentarily “NEGATIVE” as the user breathes in.

1. 3. **Compressed Air Supply**

✓ The user ***MUST*** ensure the air supply range to the apparatus is within the limits recommended. (See chapter 3).

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

2. INTRODUCTION

The SSP25 & SSP25K are part of a continuous range of flow compressed airline equipment with a variety of head pieces for use in applications which include paint spraying, toxic dusts, mists, and fumes where life supporting respiratory equipment *IS NOT ESSENTIAL.*

The SSP25 & SSP25K have been tested, approved and certified to BSEN139 (*formerly HSE Testing Memorandum 1417.24: issue 3)*, Protection Factor 50. It is 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 accessories may be dangerous and will invalidate the warranty.*

2.1. System Description - SSP25K

The system comprises a lightweight, non-dermatitic rubber half mask connected via twin breathing hoses to a preset regulator, with flow indicator and spare carbon filter, mounted on a comfortable waist belt with quick release buckle. A compressed air supply tube, fitted with ‘Y’ piece, connects the preset regulator to a wall mounted coalescing filter. A 1.5 metre compressed air supply tube is provided for the 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	50	Environmental Working Temperature	1.5-50°C
Air Supply Pressure	Max 6bar (90psi)	Nominal Actual Filter Life	400 operating hours (approx. 2 months)
Max Hose Length (supply to regulator)	15m		
Mask Air Supply Rate	Max 130ltr/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 (Chapter 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 coalescent filter.

⚠ ***WARNING! This filter does not remove Carbon Monoxide or 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 the tubes listed (See parts List).

3. 3. Working Temperature and Storage:
The SSP25K is designed to operate in the temperature range 1.5^{0}C to 50^{0}C with humidity up to 80% RH. We recommended that the equipment is stored in the temperature range of 0^{0}C to 40^{0}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 SSP25K Kit is designed to operate with a compressed air supply pressure of 6bar (90psi), measured at the input to the supply tube. The mask requires a minimum supply of 130 ltr/min (4.3 C.F.M.) and if used with a spray gun a minimum of 620 ltr/min (21 C.F.M.) must be available at 6 bar (90 psi).

⚠ ***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 not suitable for use with isocynate based paints for which you must use SSP200 or SSP200K kits. It is possible that, at very high work rates the air pressure within the mask may momentarily become "Negative" as the user breathes in. 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 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 in 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. WEARING CHECK LIST

5. 1. Before each use check:

5. 1. 1. The apparatus is complete and in good condition. ***DO NOT*** *operate if any sign of damage!*
5. 1. 2. The coalescing filter is clean.
5. 1. 3. The compressed air supply tube is in good condition and its connections are tight.
5. 1. 4. The preset regulator and filter element are clean and shows no signs of changing colour from white to pink and there are no traces of odour in the air downstream from the filter. Change if necessary.
5. 1. 5. The mask, head harness and exhale valve are clean and show no signs of deterioration or damage.
5. 1. 6. The mask is firmly connected to the breathing hose assembly.
5. 1. 7. The breathing hose assembly is in good condition and all connections are tight.
5. 1. 8. The belt is correctly threaded through the bracket to position the regulator on the right 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. Air 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 section 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 preset 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.

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 re-test.*

6. DONNING THE APPARATUS

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

6. 1. Fasten waistband around the waist with the preset regulator situated above the right hip.

6. 2. Pass head through the twin breathing hoses ensuring that mask is in correct orientation for donning.

6. 3. Connect the compressed air supply tube to the preset regulator, Should vibration occur upon connection, decouple and slowly re-connect.

6. 4. Hold mask over face, pull headband over head, then pull headband tight on both sides. *To release, lift adjusters on both sides and ease off of face*. Wearer should not have beards or hair in the region of the face seal.

6. 5. Connect the spray gun tube to the supply tube if required.

6. 6. When walking, the trailing leader tube should be grasped firmly in one hand thus preventing the tube connector, or the preset regulator from being pulled.

6. 7. See HSE Practical Guide for users of respiratory protective equipment.

⚠ ***WARNING:*** *YOU MUST WEAR a full face visor systems SSP200/SSP200K where Air contaminants are present which are an irritant to skin, eyes, or the respiratory system.*

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.

7. 1. Cleaning

To clean mask, immerse in a WEAK solution of disinfectant, rinse in clean water, shake off surplus and hang to dry away from direct heat or sunlight. Clean remaining apparatus with a weak mild soap solution, and wiped clean with a clean damp cloth and allow to dry.

IMPORTANT: **DO NOT** use solvents or abrasives as they will damage the equipment. See 7.3. for recommended cleaning agents.

The system is designed to minimise need for servicing. Worn or damaged components can be replaced as sub-assemblies (see parts list).

7.2. Reference numbers in the following relate to Parts List.

7.2.1. Harness Assembly (Item 3)
To replace harness assembly, remove old mask by stretching it over front adaptor. Fit new mask by stretching it over adaptor and twisting to ensure correct location in adaptor slot. Rotate mask into correct wearing position.

7.2.2. Exhalation Valve (item 2)
To replace the exhalation valve, remove from the half mask by stretching the surrounding rubber moulding and pull out. Refit in reverse procedure ensuring the rubber moulding fits neatly into the exhalation valve groove.

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

7.2.4. Belt Mounting Filter Unit
The unit has a replacement element (Item 8.) contained in a screw on/off bowl housing (9). This element must be replaced if its colour changes from white to pink, or there is any trace of odour. It is suggested that the filter unit is periodically subjected to a pressure differential test at full flow. Should a 10psi level be recorded then the filter requires replacing. To do so, disconnect air supply unscrew the element, and clean the bowl with soapy water, and thoroughly dry. Screw the new element on hand tight only. If the bowl is scratched, pitted, or discoloured fit a new bowl (item 9). hand tight only and check for leaks.

⚠ ***WARNING! DO NOT*** *reclaim filter for further use, by hand washing or brushing.*
Check flow indicator (parts list item 17) for damage.

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, *i.e. 1% Tego, manufactured by T.H. Goldsmith, Eastcote, Middlesex.*

CE Marked and approved to BSEN139, Protection Factor 50.

IMPORTANT: NO RESPONSIBILITY IS ACCEPTED FOR INCORRECT USE OF THIS EQUIPMENT.

WARRANTY: GUARANTEE IS 12 MONTHS FROM PURCHASE DATE. PROOF OF PURCHASE WILL BE REQUIRED FOR ANY CLAIM.

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