SUPREME VISORS LTD

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PHOENIX
AIR FED VISOR

The Phoenix air fed visor is a dedicated metal spray visor and combined hood. It was developed for the industry to provide air fed respiration with high levels of upper body protection. Phoenix is fully CE approved and meets with EN1835, Class 3 – highest available.

The visor is used in situations such as HVOF, aluminium spraying, powder coating, and flame or arc spraying. The wearer is assured of protection and safety in these aggressive environments.

FEATURES:

- Lightweight and comfortable
- Wide angle of visibility
- Regulator with dual sensory air deficiency warning whistle, pressure gauge
- Proban flame retardant cape
- Disposable visor pack
- Clip on shade 5 visor
- Strong nylon storage bag
- Nominal protection factor 200

CRUSADER
AIR FED VISOR

Our Crusader Lite air fed visor is ideal for auto paint spraying and re-finishing applications.

We design and manufacture all our robust industrial units for use in vehicle spraying (manufacturers and repairers), cladding respraying and for any form of onsite spray gun paint application.

The Crusader Lite (ear defender compatible) is fully CE approved and meet with EN1835 Class 3 – highest available.

SUPREME
FILTER BOX

Our branded filter box is a resilient piece of essential machinery. We have designed it to withstand the rigours of industry and always to provide the user with clean air regardless of the extreme environment. It is practical with easy to replace filters and an almost indestructible housing. It looks good too!

SCORPION
SHOT BLASTING HELMET

INSTRUCTION SHEET

HELMET FITTINGS

The unit comes complete with:

1. Helmet - fully assembled.
2. Belt, air warning device, breathing air hose and pre-set regulator.
3. Full length heavy duty cape with neck seal.
4. Polycarbonate inner visor – fitted (re order as P1220-A-13).
5. Pack of tear-off disposable visors (re order as P1220-A-12 - packed in 6's) sample pack of 3 fitted to helmet. (Not in export model).
6. Sample pack of 10 static disposable visors (re order as P1220-A-11) (Not in export model).
7. Intermediate visor (re order as P1220-A-14) (Not in export model).

FIT OF THE HELMET

Don the helmet with the cape unfastened. The headband is adjustable and operated by ratchet, adjustable at the rear.

Adjust this until the unit is snug around the head, sufficiently to prevent involuntary movement of the helmet.

Check the fitting of the elasticated collar, it should touch the neck all round like a polar-neck jumper would.

The belt is adjustable and the tidy slides are to prevent interference from the excess webbing.

FITTING THE CAPE

The cape is attached to the rim of the helmet by two tensioned bands in the collar one is fitted above the rim and one below. This is very important to avoid ingress of grit. The neck seal is fastened to the cape with Velcro and is easily removed and replaced for cleaning, this can be in a conventional washing machine at 30°C. This collar should be replaced when damaged or when it no longer fits snugly against the neck.

REPLACEMENT PARTS

See overleaf for the complete set of spares available from your nearest distributor.

STORAGE

When the unit is finished with thoroughly clean and dry, fold the cape into the helmet and place in a bag to protect the unit from dust. It should be stored in a cool dry room at 0-45 deg C out of direct sunlight.

WARNING DEVICE

A device is incorporated to warn the operator that an insufficient quantity of breathing air is being supplied to the apparatus.

Should the gauge indicate red during use, the operator should vacate the blasting area immediately with the helmet still on and check the air supply, i.e. look for crushed or cut supply hose.

Each time the helmet is used the device should be checked, to do this the helmet should be worn as normal and the air supply reduced to 10 psi or less, this will cause the gauge to indicate red, when the pressure is restored to its normal level the gauge indicates green.

COMPLETE INSTRUCTIONS OVERLEAF

SUPREME VISORS LTD

www.supremevisors.com

SCORPION P1220 - B

Introduction

Thank you for choosing the 'Scorpion' shotblasting helmet, we hope it will give numerous hours of trouble free service. Please read all the following instructions carefully and keep all literature safe as it will be necessary when ordering spares.

The unit carries a 'CE' mark. EC type examination, SGS UK Ltd, Western-super-mare, BS 22 6WA. U.K. (Notified Body No – 0120)) and conforms to EN 14594:2005 Class 4b. It is fully approved when used in accordance with these instructions.

The materials used in this helmet have been carefully selected to provide a product of minimum weight and maximum safety.

This unit is not designed to protect the operator from falling objects.

This Helmet has a resistance to flammability in accordance with section 6.9 of EN 14594:2005. We recommend the unit to be used between the normal atmospheric temperatures of 0°C to 45°C.

None of the materials used are known to have any ill - effects on health or cause any skin irritations.

Description

The 'Scorpion' air fed respirator is specifically designed for use in abrasive blasting applications it will protect the wearer from rebounding shot during blasting. It should not be used for welding or paint spraying or in atmospheres immediately dangerous to health including flammable atmospheres. At all times the user must be able to escape without the use of the apparatus. Head protection is provided up to a level described by section 7.21 EN 14594:2005 (This section covers abrasion only).

The unit comes complete with:

1 / Helmet - fully assembled.

2 / Belt, air warning device, breathing air hose and pre-set regulator.

3 / Full length heavy duty cape with neck seal.

4 / Polycarbonate inner visor – fitted to helmet (re order as P1220-A-13).

5 / Tear - off disposable visors : (3 off) - fitted to helmet.

6 / Pack of tear - off disposable visors - In Box (re order as P1220-A-12 - packed in 6's) (Not export model)

Maintenance and cleaning

All components of the 'Scorpion' may be cleaned with a damp cloth and mild disinfectant. If the helmet is immersed in water the sound absorbing foam in the top cavity will need time to dry. The helmet must be replaced when it no longer gives the operator the original designed protection i.e. a hole or split in the shell.

Cape

The cape is attached to the rim of the helmet by two tensioned bands in the collar one is fitted above the rim and one below. This is very important to avoid ingress of grit. The neck seal is fastened to the cape with Velcro and is easily removed and replaced for cleaning, this can be done in a conventional washing machine at 40 °C. This collar should be replaced when damaged or when it no longer fits snugly against the neck.

Fit

Don the helmet with the cape unfastened. The headband is adjustable and operated by ratchet, adjustable at the rear. Adjust this until the unit is snug around the head, sufficiently to prevent involuntary movement of the helmet. Check the fitting of the elasticated collar, it should touch the neck all round like a polarneck jumper would.

The belt is adjustable and the tidy slides are to prevent interference from the excess webbing.

Start-up

Prior to using the helmet the air hose must be connected to the helmet. To do this push the metal stem on the air hose into the plastic bulkhead fitting situated at the back of the helmet, this must be pushed all the way home. This connection will act as a swivel coupling.

The regulator is fitted with 1/4 " BSP male tapered connections.

The cape can be fastened front to back using the Velcro side straps attached to the cape. The belt must be fastened around the body at waist level.

The compressor shall have suitable filters to provide respirable breathing air compliant with EN12021, with no excessive moisture, to avoid freezing of the apparatus, this air must contain no less than 19.5% Oxygen. It is the operators responsibility to check the air supply, careful attention should be taken to inspect the CO and oil filtering devices. The unit must not be connected to any other gas supply i.e. Acetylene, Oxygen, Nitrogen, Argon, or Oxygen enriched air etc. Care should be taken to ensure the compressor only draws in clean air i.e. site compressor away from vehicle exhausts ventilation outlets and other toxic emissions of any nature.

The user must check that the capacity of the air system is sufficient for every user connected to it, in accordance with these instructions

The compressor should be set to 3 Bar (44 psi) and connected to a minimum 1/4" (6.35mm) internal diameter supply hose which together with its fittings must be in compliance with EN 14594:2005 section 6.12.7 and the hose in compliance with section 6.12, with a maximum length of 75 ft. (22.9 m) and a minimum length of 25 ft. (7.6 m) this hose should then be connected via a hand operated swivel connection on the compressor side which is self sealing to the 'T' connector on the belt mounted regulator via a 1/4 BSP male connector. Use only a single hose. Ensure that 3bar 250 l/min is available to the apparatus.

A flow meter may be purchased from your supplier to check the apparatus is passing the designed flow rate prior to use, the part number for this is P1220-A-20.

Flow rate 200 litres per minute

Warning At very high work rates the pressure inside the helmet may become negative at peak inhalation flow

Warning Device

A device is incorporated to warn the operator that an insufficient quantity of breathing air is being supplied to the apparatus.

Should the gauge indicate red during use, the operator should vacate the blasting area immediately with the helmet still on and check the air supply, i.e. look for crushed or cut supply hose.

Each time the helmet is used the device should be checked, to do this the helmet should be worn as normal and the air supply reduced to 10 psi or less, this will cause the gauge to indicate red, when the pressure is restored to its normal level the gauge indicates green.

Visors

(i) Inner visor

To remove this, open the visor door, peel the rubber back locally and pull the visor out. To replace (lubricating the rubber with soapy water will help) insert the two ends first, then the bottom edge can be pushed in, the last side can be fitted by prizing the rubber open and pushing the visor in behind.

The visor is designed to be a tight fit to avoid ingress of grit.

This visor complies with EN14594:2005 section 6.16.2.2

(ii) Tear - off disposable visors

These are supplied in packs of six, all of which can be fitted at once. Only five can be torn the sixth acts as an intermediate visor to protect the inner visor.

With the tab on the outside of the door on the upper right hand side slide the visors onto the pins in the door. Close and lock the door.

(iii) The static disposable visors

These should be fitted one at a time, remove by opening the visor door and ejecting the visor from the studs. Replacement is the same as the tear off visors. An intermediate visor P1220-A-14 can be used with this type of visor and will give extra protection to the inner visor this system is recommended for use in confined areas such as blast rooms.

Storage

When the unit is finished with thoroughly clean and dry, fold the cape into the helmet and place in a bag to protect the unit from dust. It should be stored in a cool dry room at 0-45 deg C out of direct sunlight.

CAUTION : DO NOT HANG THIS UNIT UP BY ITS AIR LINE.

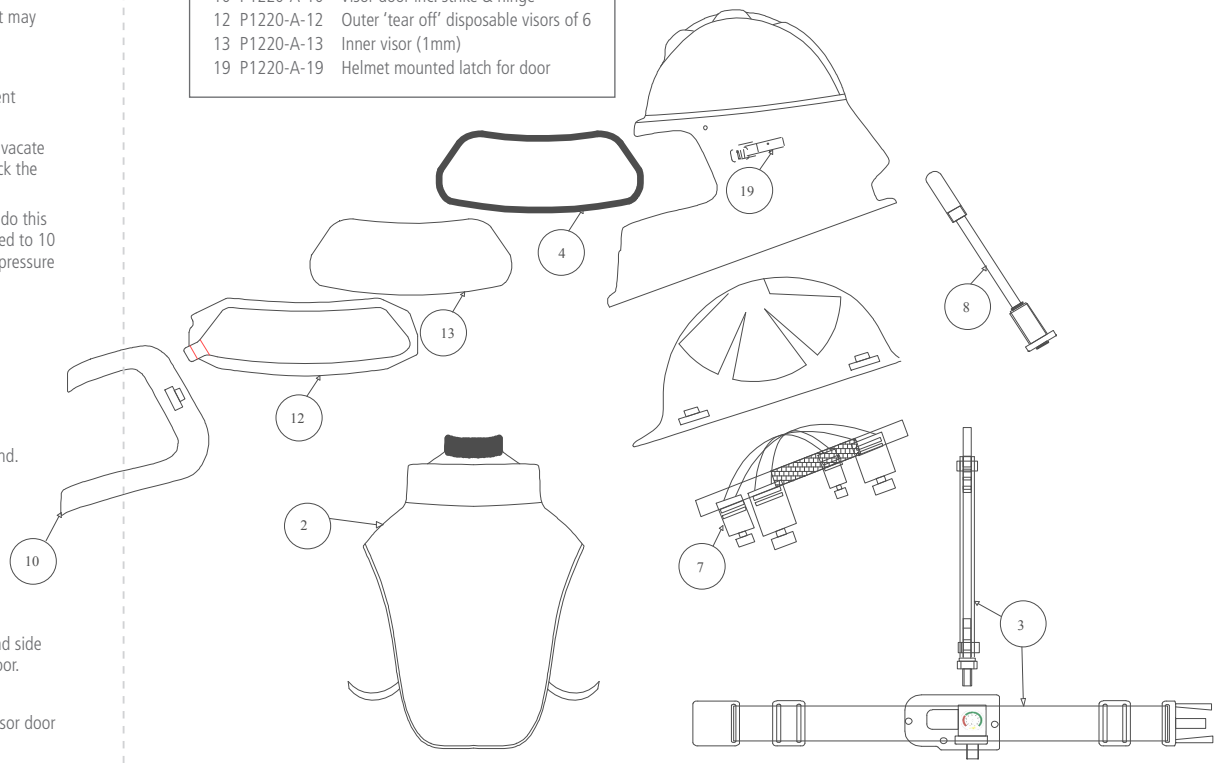
Replacement parts available

Part No. Description

P1220 - B Scorpion helmet, inc. cape, regulator, set of visors ready to go.
P1220-B-02 Blue cape inc. neck seal.
P1220-B-03 Belt, regulator & housing, hose and fittings.
P1220-A-04 Visor seal.
P1220-A-05 Belt.
P1220-A-06 Hose and fittings (assembled).
P1220-A-07 'Snap in' yellow internal harness carrier inc. headband.
P1220-A-08 Internal air assembly
P1220-A-09 Storage bag
P1220-A-10 Visor door inc. strike and hinge.
P1220-A-11 Outer 'static' disposable visors pack of 100.
P1220-A-12 Outer 'tear off 'disposable visors pack of 6.
P1220-A-13 Inner visor (1mm polycarbonate).
P1220-A-14 Intermediate visor (0.5mm P.E.T.G.).
P1220-A-015 Air flow meter (For checking air flow prior to use)
P1220-A-016 Collet for breathing air hose attachment

Note : Only use 'Scorpion' approved spares else all approvals will be waived. Scorpion spares are only available from our approved distributors.

Item	Part No.	Description
2	P1220-A-02	Black cape, inc. neck seal
3	P1220-B-03	Belt, reg & housing, warning device and hose
4	P1220-A-04	Visor seal
7	P1220-B-07	Internal harness inc. headband
8	P1220-A-08	Internal air assembly
10	P1220-A-10	Visor door inc. strike & hinge
12	P1220-A-12	Outer 'tear off' disposable visors of 6
13	P1220-A-13	Inner visor (1mm)
19	P1220-A-19	Helmet mounted latch for door



Designed & manufactured at Supreme Visors, Unit 2, Astonfields Rd, Whitehouse Ind. Est., Runcorn, Cheshire, WA7 3DL, U.K.

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QUALITY ASSURANCE NOTE

The quality of this product was checked by:

Inspector No.

Batch No. 02

Model No. Scorpion P1220-B