



3M[™] Scott[™] ELSA – Emergency Life Support Apparatus



Anti-static bag

Description

The 3M[™] Scott[™] ELSA (Emergency Life Support Apparatus) is an escape breathing apparatus which provides a constant supply of air for rapid escape from hazardous industrial and marine environments. The 3M[™] Scott[™] ELSA is designed to be simple and quick to operate, reliable and robust in use, ensuring maximum protection in an escape situation.

The ELSA is available in durations of 10 or 15 minutes in high visibility PVC or black anti-static polyurethane materials. The ELSA apparatus consists of a cylinder with combined cylinder valve and reducer, supply hose to constant flow hood and stowage bag. The ELSA is activated upon opening the bag whereby a pin which is attached to the ELSA hood is released.

Applications

The ELSA is suitable for use in marine or industrial escape settings for escape use only.

Carrying bag

The carrying bag is made of PVC coated nylon. This is coloured for high visibility and is both flame retardant and chemical splash resistant. There is an anti-static option for working in potentially explosive atmospheres and this is made of polyurethane. The bag can be worn across the chest as a bandolier.

Hood

The constant flow hood is manufactured from PVC coated materials. This is flame retardant and coloured for high visibility. This provides a stretch material for a comfortable fit combined with an elastomeric neck seal giving ease of donning over spectacles, beards and long hair. The optically clear visor is made from polyurethane. The hood has an exhale valve for increased performance and a compact orinasal inner mask for reduced rebreathed CO₂ levels.

Maintenance/cleaning/servicing

Cleaning should only be carried out as specified in the user instructions. Maintenance and servicing must only be performed by trained personnel following the procedures in the service and maintenance manual.

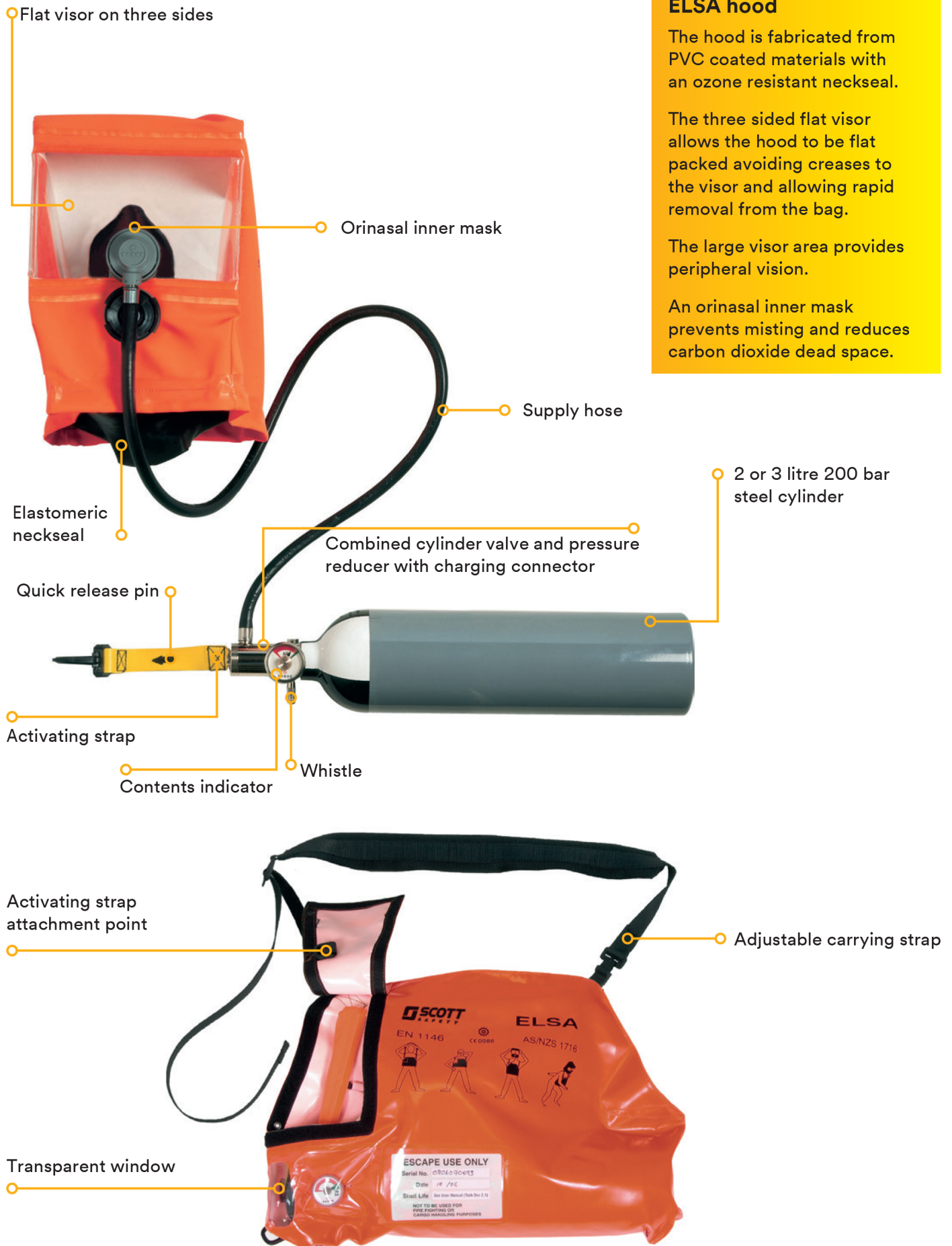
The 3M™ Scott™ ELSA hood

The hood is fabricated from PVC coated materials with an ozone resistant neckseal.

The three sided flat visor allows the hood to be flat packed avoiding creases to the visor and allowing rapid removal from the bag.

The large visor area provides peripheral vision.

An orinasal inner mask prevents misting and reduces carbon dioxide dead space.



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3M™ Scott™ ELSA Sprint Escape Emergency Life Support Apparatus



Description

Part of the 3M™ Scott™ ELSA (Emergency Life Support Apparatus) range, the ELSA Sprint positive pressure escape breathing apparatus is designed to be simple to use and robust, conforming to European Standard EN 402:2003 and is available as a soft hooded or full face variant, as well as a standard and anti-static variants.

The ELSA Sprint is a positive pressure escape set, providing air on demand for situations where the escape route may require a lot of physical exertion or where the maximum levels of protection are required.

Product highlights

- ▶ Maximum level of respiratory protection
- ▶ Available in hooded and facemask versions
- ▶ High performance reducer
- ▶ Maintainable by trained personnel, low through life costs
- ▶ Low training requirement
- ▶ Automatic activation
- ▶ 10 and 15 minute options available, steel or composite shell options
- ▶ Available with high visibility or anti-static bag
- ▶ Automatic and manual activation
- ▶ Hooded variant features whistle to alert user to remove hood when air is depleted





3M™ Scott™ ELSA Sprint Escape Emergency Life Support Apparatus

Escape durations

The ELSA Sprint range offers durations of 10 and 15 minutes and is available in either facemask or positive pressure hood options.

Facemasks

Lightweight 3M™ Scott™ Promask positive pressure facemask approved to EN 136:1998 Class 3.

Moulded in non-dermatitic materials and fitted with an optically clear, impact resistant polycarbonate visor. Anti-scratch coating, speech diaphragm and side mounted, quickfit demand valve connection are standard. Supplied with head harness.

Flame retardant hood

The high visibility cuboid hood incorporates an optically clear visor for all round vision. An elastometric neck seal allows donning over spectacles, long or facial hair. A small orinasal mask controls the rebreathed CO₂.

Ordering information

Article number	Description
2033347	Sprint-10-B Steel Facemask (Empty)
2033343	Sprint 10-B Steel Facemask (Full)
2033348	Sprint 15-B Steel Facemask (Empty)
2033344	Sprint 15-B Steel Facemask (Full)
2033359	Sprint 10-B Composite Facemask (Empty)
2033360	Sprint 15-B Composite Facemask (Empty)
2033349	Sprint 10-B Steel Positive Pressure Hood (Empty)
2033350	Sprint 15-B Steel Positive Pressure Hood (Empty)

Facemask options



High visibility cuboid hood



Positive pressure facemask

Specification

Approvals

CE marked in accordance with EN 1146

MED shipswheel approved

Materials

Pressure reducing valve	Nickel plated brass
Rust tube	Brass
Reducing valve seat	Polyamide (nylon)
O-rings	Nitrile, silicone, EPDM, viton
Reducing valve springs	Stainless steel
HP pressure gauge	Stainless steel, polycarbonate lens
HP pressure gauge cover	Neoprene
MP air supply hose fittings	Nickel plated brass
Air hood	PVC coated viscose with clear PU visor
MP air supply hose	Chlorinated polyethylene, fabric braid reinforcement, nitrile liner
Carrying bag	PVC coated nylon
Anti-static carrying bag	Polyurethane
Strap buckles	Polyamide
Cylinder	Steel or composite

Hoses

Stainless steel swivel hose fittings

Medium pressure hose

Maximum working pressure	16 bar
Minimum burst pressure	80 bar

Packing specifications (with steel cylinder)

10 minute bag version	52×30×15cm, 6.0kg
15 minute bag version	52×30×25cm, 6.5kg

Weight/dimensions (with steel cylinder)

10 minute bag version

Weight	4.8kg
Length	510mm
Width	340mm
Depth	135mm

15 minute bag version

Weight	5.6kg
Length	520mm
Width	340mm
Depth	135mm



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