TECHNICAL DATASHEET

ELSA – EMERGENCY LIFE SUPPORT APPARATUS



DESCRIPTION

The ELSA is an escape breathing apparatus which provides a constant supply of air for rapid escape from hazardous industrial and marine environments. The ELSA is 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 bag via a strap is released.

APPLICATIONS

The ELSA is suitable for use in Marine or Industrial Escape settings for escape use only.

APPROVALS
CE marked in accordance with EN1146
MED Shipswheel Approved
AS/NZ1716

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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	Polyurethane coated viscose with clear PU visor
MP Air Supply Hose	Chlorinated Polyethylene, fabric braid reinforcement, Nitrile liner
Carrying Bag	PVC Coated Nylon (AntiStatic – Polyurethane)
Strap Buckles	Polyamide
Cylinder	Steel

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 antistatic option for working in potentially explosive atmospheres and this is made of polyurethane. The bag can be worn across the chest, as a bandolier or worn with an optional waistbelt.

HOOD

The constant flow hood is manufactured from polyurethane coated viscose. 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 optionally clear bubble visor is made from polyurethane. The mask has an exhale valve for increased performance and a compact ¼ mask reduced rebreathed CO2 levels.

MAINTENANCE/CLEANING/SERVICING

N.B. - 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.

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TECHNICAL SPECIFICATIONS	
Hoses	
Stainless Steel swivel hose fittings	
Medium Pressure Hose	
Maximum working pressure	16 bar
Minimum burst pressure	80 bar
Packing Specifications	
10 minute bag version	52x30x15cm 6.0kg
15 minute bag version	52x30x25cm 6.5kg
Weight/ Dimensions	
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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