

Kirby Morgan® 27 SuperLite® Helmet



Introduction

The SuperLite® 27® gives the working diver a compact, reliable and extremely comfortable helmet. If the diver is looking for the most compact helmet with the “snuggest” fit, the SuperLite® 27® is Kirby Morgan’s smaller unit in our selection of highest quality commercial diving helmets.

The SuperLite® 27® comes standard with the Tri-Valve® Exhaust System which provides exceptionally dry breathing under all conditions, without increasing breathing resistance. Also setting the SuperLite® 27® apart from other helmets is its water dump valve which is mounted on the port side, contributing to the shorter, more compact profile of this helmet.

The SuperFlow® 350 regulator featured on the SuperLite® 27® provides outstanding performance. With the diver adjustable system, the regulator can be “tuned” during the dive according to the workload, especially important when using a low pressure compressor with varying supply pressures.

The SuperLite® 27® helmet has been tested and conforms to the performance requirements as set forth in Annex II of Directive 89/686/EEC and, as far as applicable, the EN 250:2000, EN 250/A1:2006 and EN 15333-1:2008 (class B). It is fully CE marked with demand regulator SuperFlow® 350 and oral nasals P/N 510-690 and P/N 510-747 (now standard).

Features

Superflow® 360 Regulator

This all metal, fully adjustable, Commercial Rated™ demand regulator provides easy breathing and excellent performance with low pressure compressors.

Air Train

The air train diffuses incoming breathing air/gas onto the face port/lens to defog and ventilate.

Defogging Steady Flow Valve

Provides an additional flow of gas into the helmet for ventilation and defogging.

Emergency (EGS) Valve

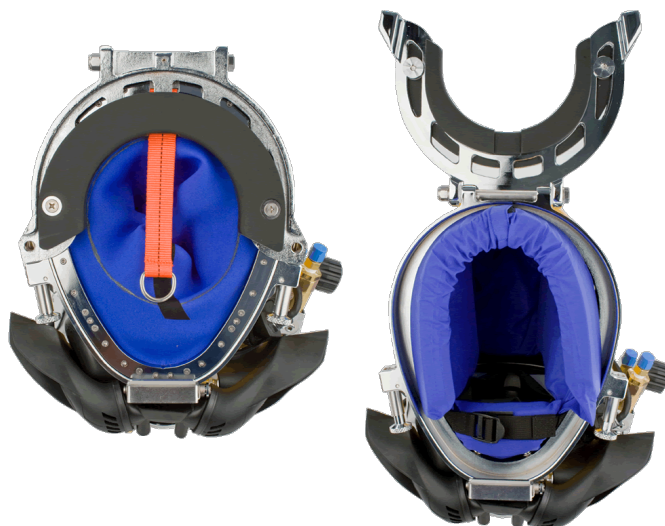
Supplies backup breathing gas to the diver.

Fiberglass and Carbon Fiber Reinforced Shell

Kirby Morgan® has over 50 years experience in composite laminations. The helmet shell is hand laid up glass fiber reinforced thermal setting polyester (fiberglass) with carbon fiber reinforcement at key points for added durability. It is light and highly impact resistant, and provides a heat/cold barrier as well as being an excellent electrical nonconductor.

Gas Supply Non-Return Valve

Commercial Rated™, It prevents loss of gas pressure in the event of umbilical damage.



Nose Block

Allows the diver to block the nose to equalize ears.

Rapid Change Modular Communications Systems

Because the module is easily removed the helmet, repair or replacement of communications parts is quick and trouble free. It is available with either a male waterproof connector or a bare wire post connection.

Side Block

Multi use side block has additional ports built in to provide controlled air flow, if needed.

Silicone Oral Nasal Mask

Made of a superior silicone material which is hypo-allergenic and has a longer work life than latex.

Top Handle

Handle can be removed without breaking seals, making it quick and easy to attach accessories.

Whisker Wings

Bubble deflecting Whisker wings keep bubbles further from face port and ears, improving visibility and decreasing internal noise.



Specification

Weight	28.47 pounds
Helmet Shell	Fiberglass, polyester resin, polyester gel coat, and carbon fibers
Control Knobs	Polyurethane
Face Port/Lens	Scratch resistant Polycarbonate
Neck Dam	Neoprene. Optional latex neck dam available
O-rings	Buna-N
Head Cushion	Nylon bag filled #4 polyester foam
Recommended Lubricants	All helmets and masks are lubricated at the factory with Christo-Lube®. Kirby Morgan recommends Christo-Lube® or Tribolube® for all gas train components. Dow Corning® 111 Silicone or equivalent may be used for helmet and mask components that are used with gas mixtures containing less than 50% oxygen.
Regulator	The SuperFlow® 350 regulator on the SuperLite® 27® offers high performance. The regulator has been tested at Dive Lab at Panama City, Florida. It meets all current U.S. Navy and European diving standards.
Cage code	The cage code for identifying KMDSI products for U.S. government purposes is 58366.
CR Standards	These helmets meet or exceed all standards established by Dive Lab of Panama City, Florida, and are CR (Commercially Rated) marked.
CE Approved	The SL27 helmet is CE Approved.
Temperature Limitations	Use at water temperatures below 33 °F (1 °C) requires use of hot water shroud (P/N 525-100) and hot water.

Order codes

KM 97 Helmet w/Posts
500-700

KM 97 Helmet w/MWP
500-701