



## Submarine Manufacturing & Products Limited

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Blackpool Road, Newton, Preston, Lancashire, United Kingdom PR4 3RE

### PRODUCT DATASHEET

#### Kirby Morgan 37 Commercial Diving Helmet

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#### THIS PRODUCT HAS THE FOLLOWING OPTIONS:

**Kirby Morgan Dive Helmet 37 W Posts**

**Kirby Morgan Dive Helmet 37 W Male W.P. Conn.**

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#### OVERVIEW

The Kirby Morgan 37 Commercial Divers Helmet is one of the most popular designs in the commercial diving world. Its considered the standard of the commercial diving industry.



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### DESCRIPTION

The Kirby Morgan 37 Diving Helmet comes standard with the Quad-Valve? exhaust system, which has less breathing resistance than the older single valve exhaust while providing an extremely dry hat. This system is recommended for diving in biologically contaminated water. Kirby Morgan's SuperFlow? 350 regulator is a proven design that provides excellent breathing characteristics over a wide range of depths. The Kirby Morgan 37 is one of the most popular designs in the world. It's considered the standard of the commercial diving industry, as well as the U.S. Navy. Choose the Kirby Morgan 37 if you want a rugged diving helmet with a traditional design.

### FEATURES

**SuperFlow® 350 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 Device:** 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 & Top Weights:** Brings unsurpassed balance to the helmet while providing for accessory mounting areas.

**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.

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



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### SPECIFICATION

The Kirby Morgan 37 commercial diving helmet has been tested and conforms to the performance requirements as set forth in Annex II of Directive 89686EEC and as far as applicable the EN 250:2000 EN 250A1:2006 and EN 15333-1:2008 (class B). It is fully CE marked with demand regulator SuperFlow 350 and oral nasals PN 510-690 and PN 510-747.

**Weight:** 32.6 lbs.

**Helmet shell:** Fiberglass polyester resin polyester gel coat and carbon fibres

**Control knobs:** Polyurathane

**Lens:** Clear polycarbonate

**Neck dam:** Neoprene

**O-Rings:** Buna-N

**Head cushion:** Nylon bag filled with ,4 Polyester foam

**Cage Code:** The cage code for identifying Kirby Morgan DSI products for U.S. government purposes is 58366.

**CE Approved:** The Kirby Morgan 37 Commercial Diving Helmet is CE Approved.

**Recommended Lubricants:** All commercial diving helmets and band 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 commercial diving helmet and band mask components that are used with gas mixtures containing less than 50% oxygen.

**Regulator Performance Superflow&reg 350 Performance:** The SuperFlow 350 diving regulator on the Kirby Morgan 37 Commercial Diving Helmets offers high performance. The commercial diving regulator has been tested at Dive Lab at Panama City Florida. The Kirby Morgan Superflow meets all current U.S. Navy and European diving standards.

**SuperFlow 450 Performance:** The SuperFlow 450 diving regulator is another high performance regulator. It offers performance that exceeds that of the SuperFlow 350. It meets all current U.S. Navy and European diving standards. CR Standards: Kirby Morgan commercial diving helmets meet or exceed all standards established by Dive Lab of Panama City Florida and are CR (Commercially Rated) marked.


Temperature limitations Use at water temperatures below 33 Degrees F (10C) requires use of Kirby Morgan Hot Water Shroud (PN 525-100) and hot water. Note: The Kirby Morgan Hot Water Shroud (Part ,525-100) in conjunction with hot water to the commercial diver should be used whenever commercial diving operations are conducted using HEO2 at water temperatures less than 60 Degrees F (15.56 Degrees C) for the comfort of the commercial diver.

Kirby Morgan DSI further recommends that the hot water shroud be used in conjunction with hot water to the commercial diver whenever commercial diving operations are conducted using air or mixed gas in waters colder than 36 Degrees F (2.22 Degrees C) to reduce the possibility of demand regulator icing.

Usually the greatest danger of demand regulator icing will be encountered on deck when the surrounding air temperature is less than 32 Degrees F (0 Degrees C) is effect is primarily due to the refrigeration effect of breathing air pressure reduction and the addition of moisture from the divers exhalation coming in contact with the topside air temperature.



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If diving where the water temperature is 36 Degrees (2.22 Degrees C) or warmer but the topside air temperature is below freezing (32 Degrees F (0 Degrees C) icing of the demand regulator is possible. To help eliminate the possibility of freezing on the surface warm water should be run over the exterior of the demand regulator prior to water entry if the hot water system is not used.

Only equipment certified and tested according to EN 250E DIN 58 642 may be used with the Kirby Morgan 37 commercial diving helmet when conducting commercial diving operations in European EC compliant countries. The commercial divers umbilical assembly should be composed of good quality diving hose that meets industry standards. Generally gas hose will be married to the communications wire pneumofathometer hose and strength member in a manner that will allow the strength member to receive all the strain. Regardless of the system used the commercial divers umbilical is the commercial divers life line and should always be of excellent quality and maintained carefully.

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### ORDER THIS PRODUCT

To order this product or to request a price contact our UK sales team on  
**+44 (0)1772 687775**

Alternatively you can place a quote request through our website  
[http://www.smp-ltd.co.uk/](http://www.smp-ltd.co.uk) or send an email to [sales@smp-ltd.co.uk](mailto:sales@smp-ltd.co.uk)