

Kirby Morgan® 97 Helmet



Introduction

The Kirby Morgan® 97 features the 455 Balanced Regulator which is stainless steel offering virtually the same superior breathing performance as the REX® regulator, with a lower profile. The overall performance of this regulator is outstanding and sets a new performance standard for commercial diving helmets and BandMasks®.

The Kirby Morgan® 97 features a quick change communications module and allows for easy, efficient maintenance of the communications. This same communications system is found in all our helmet models (with the exception of the SL 17B and 17C).

Features

455 Balanced Regulator

The 455 Balanced regulator sets a milestone in surface supplied breathing performance and will soon be compatible with all Kirby Morgan Helmets and Band Masks that feature the SuperFlow® 350 regulator. The regulator body is made of 316 stainless steel, as are all its other metallic components.

Air Train

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

Auxiliary Port

The auxiliary port will allow for future add-ons and modifications to the stainless steel helmets. It is located on the port side of the shell as shown below.

Defogging Steady Flow Valve

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

Emergency (EGS) Valve

Emergency (EGS) Valve supplies backup breathing gas to the diver. This valve is an integral, built in part of the stainless steel sideblock.

Gas Supply Non-Return Valve

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

Handle

Removable grip and handle. Handle can be removed without breaking seals - quick and easy to attach accessories.

Nose Block

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 Block

Multi use side block has additional ports built in to provide controlled air flow, if needed. The stainless steel sideblock has a built in EGS.

Silicone Oral Nasal Mask

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

Stainless Steel Shell

After x-ray inspection, each 316 stainless steel shell, is precision CNC machined to tight tolerances, to ensure proper fit to all other mating parts. The shell is durable and easy to maintain. Easily cleaned using a Scotch Brite® or similar type cleaning pad.

Whisker Wings

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

Note: temperature recommended for this helmet is 37 degrees F, only in regards to regulator performance. At the time of this writing, no hot water shroud is available for this helmet for heating the diver's breathing gas.



Specification

Weight	31.09 pounds
Helmet Shell	Stainless Steel
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 with #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 455 balanced regulator on the KM 97 offers high performance. The regulator has been tested at Dive Lab at Panama City, Florida. It meets or exceeds 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	This helmet meets or exceeds all standards established by Dive Lab of Panama City, Florida, and are CR (Commercially Rated) marked.
CE Approved	The KM 97 helmet is CE Approved.

Order codes

KM 97 Helmet w/Posts
500-700

KM 97 Helmet w/MWP
500-701