

## BANDMASKS

# KIRBY MORGAN® BANDMASK® 28



### ORDERING INFORMATION

Kirby Morgan® Bandmask 28B with bare wires posts 500-028,  
Kirby Morgan® Bandmask 28B with with male W.P connector 500-029,

partnumber IHC Hytech T.99.00412  
partnumber IHC Hytech T.99.00413

### GENERAL

The fully tested and certified KMB 28 BandMask® may be used in mixed gas diving as well as shallow water air diving.

The SuperFlow® adjustable demand regulator provide low inhalation resistance and high gas flow letting the diver breathe easier and work harder. This mask comes standard with the large tube SuperFlow® 350 regulator.

The Side Block Assembly of both the KMB 18 and 28 receives the umbilical over the shoulder in the B configuration. They both come standard with the Tri-Valve® exhaust system, and the new BandMask® BandKeepers®

The Tri-Valve® Exhaust System has less breathing resistance than the older single valve exhaust. It retrofits to all previous Kirby Morgan BandMasks®. The BandMask® BandKeepers®, coupled with the redesigned hood, not only prevent any separation of the hood from the mask, but also make it impossible for the bands to separate from the mask.

The communications connections can be either a male waterproof "plug in" type or bare wire posts. The KMB 28B BandMask® is very similar to the KMB 18. Many parts on the KMB 18B are interchangeable with the KMB 28B. The major difference between the 18 and 28 is the material of the mask frame. The KMB 18 has a hand laid fiberglass frame (yellow) while the KMB 28B frame is an extremely durable injection molded plastic (black). The relative ease of production of the KMB 28 frame allows for a lower cost and quicker delivery of this mask. Other differences include: 1) The main exhaust body of the KMB 28 is part of the frame itself and uses a #545-041 main exhaust cover 2) no comfort insert is required on the "28" 3) the face ports for the 18 and the 28 differ slightly in size

### CE CERTIFICATION

The Band Mask 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 15333-1 (Class C). It is fully CE marked with demand regulator SuperFlow® 350 and oral nasals P/N 510-690 and P/N 510-747 (now standard).



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## SPECIFICATIONS

<b>Weight:</b>	KMB 28 - 12.73 pounds (5.77 kg)
<b>Mask Frame:</b>	KMB-28: Fiberglass, polyester resin, polyester gel coat, and carbon fibers Mask Frame KMB: Xenoy thermoplastic
<b>Control Knobs:</b>	Polyurethane
<b>Face Port/Lens:</b>	Scratch Resistant Polycarbonate
<b>Hood:</b>	Neoprene
<b>O-Rings:</b>	Buna-N
<b>Head Cushion:</b>	Nylon bag filled with #4 Polyester foam
<b>Recommended Lubricants:</b>	Christo-Lube®, Dow Corning® MS4 Silicone Lubricant. Krytox® and Halocarbon® are also acceptable
<b>Regulator:</b>	SuperFlow® 350 Performance. The SuperFlow® 350 regulator on the Kirby Morgan 18 & 28 masks 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.
<b>Cage Code:</b>	The cage code for identifying KMDSI products for U.S. government purposes is 58366.
<b>CR Standards:</b>	These helmets meet or exceed all standards established by Dive Lab of Panama City, Florida, and are CR (Commercially Rated) marked.
<b>CE Approved:</b>	Both the KMB 18 and 28 are CE Approved
<b>Temperature Limitations:</b>	Use at water temperatures below 33 °F (1 °C) requires use of hot water shroud (P/N 525-100) and hot water.

**Operational Specifications & Limitations:** Umbilical minimum I.D. 3/8" (9.5 mm) of not more than two sections, total length not to exceed 600 feet (183m). This mask meets or exceeds all requirements of NPD, Health and Safety, (U.K.), United States Navy, ADCI United States and is CR rated by Dive Lab, Panama City, Fla., USA. Recommended overbottom (OB) gas supply pressure for best performance at depths are calculated by the formula (fsw x 0.445+14.7) + recommended p.s.i. g.



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## 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.



### **COMMUNICATIONS**

Communications are “non-modular” (like the SuperLite 17B helmet). When ordered with male waterproof connector (for 4 wire communications), the mask also includes bare wire posts. When ordered with bare wire posts (for 2 wire communications), the port for the mwp connector is plugged.



### **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.



### **GAS SUPPLY NON-RETURN VALVE**

Prevents loss of gas pressure in the event of umbilical damage, preventing a "squeeze".



### **HEAD HARNESS (SPIDER)**

Keeps the mask in place on the divers head. The neoprene rubber spider has adjustment holes for varying the tension of the harness.



### **NOSE BLOCK DEVICE**

Allows the diver to block the nose to equalize ears



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#### **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.



#### **STAINLESS STEEL BANDS**

Bands hold the Hood/Face seal in place on the mask frame. They also provide the mounting studs for the Head Harness (Spider)



#### **TRI-VALVE® EXHAUST WITH WHISKER WINGS**

Retrofits to many previous Kirby Morgan Helmets and BandMasks®, has less breathing resistance than the older single valve exhaust while providing an extremely dry hat. The Tri-Valve® Exhaust is made of a chemical resistant compound.



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## ACCESSOIRES



### MANUAL 18/28

This is your operations and maintenance manual. It is a writable USB flash drive which enables you to add or subtract the manual PDF sections as they are updated or when you purchase new Kirby Morgan products.  
Part # 100-002



### LOGBOOK W/ PEN

Part # 125-001, partnumber IHC Hytech T.99.00018.



### OVER PRESSURE RELIEF VALVE

The Kirby Morgan® Overpressure Relief Valve is factory adjusted to vent any time the pressure in the low pressure hose connecting the bailout bottle to your emergency valve exceeds 200 P.S.I. It is installed in any of the low pressure ports in the first stage regulator.  
Part # 200-017, partnumber IHC Hytech T.99.00019.



### HARD SHELL

Part # 520-026, partnumber IHC Hytech T.99.00668.



### RESTRICTOR ADAPTER

The 555-210 Restrictor Adapter should be used when an inflation hose is attached to the side block when drysuit diving. The main purpose of the Restrictor Adapter is to limit gas flow in the event the hose ruptures or is severed, and to ensure the loss of supply would not be great enough to significantly affect the diver's breathing at moderate to heavy work rates. It also helps prevent filling the dry suit too rapidly.

NOTE: O-ring 310-003 is required to install the Restrictor Adaptor onto the side block.  
Part # 555-210, partnumber IHC Hytech T.99.01088.



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## ACCESSORY KITS



### **HOT WATER SHROUD KIT FOR SL HELMETS, KM 37/57 & KMB 18/28**

The Hot Water Shroud can be used whenever diving operations are conducted on mixed gas, or when diving in cold water. The shroud helps warm the diver's incoming air, thereby lessening diver's heat loss.

Part# 525-100, partnumber IHC Hytech T.99.00720.



### **WELDING SHIELD ASSEMBLY**

The Welding Shield covers the entire viewport area of your helmet or mask, and accepts a standard 4 x 5 inch weld glass. This welding shield will retrofit to all KMB BandMasks® and SuperLite® helmets using the same mounting holes as the original, smaller, weld lens assembly.

Part# 525-400, partnumber IHC Hytech T.99.00785.



### **WELD LENS ASSEMBLY**

The Welding Lens Assembly will fit all SuperLite® Kirby Morgan® Helmets and BandMasks®. The port retainers are supplied with two plug screws which are designed to protect the two threaded holes on the port retainer which are provided for the welding lens assembly.

There are three densities of lens available:

Part # 525-405 Lens, Light (#5), partnumber IHC Hytech T.99.00788.

Part # 525-406 Lens, Medium (#10), partnumber IHC Hytech T.99.00789.

Part # 525-407 Lens, Dark (#12), partnumber IHC Hytech T.99.00790.

This assembly is designed to provide visual protection only!

Part# 525-403, partnumber IHC Hytech T.99.00786.



### **KMB 28 HOOD AND FACE SEAL (S/S)**

Part# 525-730, partnumber IHC Hytech T.99.01730.



### **KMB 28 HOOD AND FACE SEAL (S/M)**

Part# 525-731, partnumber IHC Hytech T.99.01731.



### **KMB 28 HOOD AND FACE SEAL (L/M)**

Part# 525-732, partnumber IHC Hytech T.99.01732.



### **KMB 28 HOOD AND FACE SEAL (L/L)**

Part# 525-733, partnumber IHC Hytech T.99.01733.



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### **CONVERSION KIT, 455 REGULATOR FOR 350/450 REGULATORS**

Part# 525-765, partnumber IHC Hytech P.99.04332.



### **525-766 CONVERSION KIT, 450 REGULATOR**

Divers who wish to upgrade the performance of their Kirby Morgan helmet or Bandmask equipped with the 505-069 or "350" regulator, can do so with the Regulator Conversion Kit, Part # 525-766.

Part# 525-766 , partnumber IHC Hytech P.99.00817.



### **ORAL NASAL WITH LENS RETAINER KIT**

The Lens Retainer Kits are for divers who require eyeglasses. This kit contains P/N 520-538 Lens Retainer, P/N 530-923 Mount Wire and P/N 510-747 Oral Nasal Mask (this oral nasal replaces the previous model P/N 510-690 oral nasal). This kit fits all helmets and Band-Masks® equipped with the SuperFlow® 350 and 450 regulators. Take the Lens Retainer to your local optometrist, have them make a set of prescription R/X lenses to fit into the frames, then simply mount them onto your oral nasal P/N 510-747.

Part# 525-775, partnumber IHC Hytech T.99.00820.



### **LENS RETAINER KIT**

Part# 525-776, partnumber IHC Hytech T.99.00821.



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