

# SuperLite® 17K Helmet Operations and Maintenance Manual

KMDSI Part # 100-017

The SL 17K helmet is covered by U.S. Patent #6,644, 307B2. Foreign and other patents pending.



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*Manual prepared by KMDSI and Dive Lab, Inc.*

*NOTE: This manual is the most current for the SuperLite® 17K Helmet. It is page dated January 2017. Future changes will be shown on page III and the changed pages will carry the date of change. Previous manuals may not reflect these updates.*

## **WARNING**

**Diving with compressed breathing gas is a hazardous activity. Even if you do everything right there is always the danger that you may be killed or injured. No piece of diving equipment can prevent the possibility that you may be killed or injured any time you enter the water.**

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## Warranty Information

Kirby Morgan Dive Systems, Inc. warrants every new mask, helmet, or KMAC Air Control System to be free from defects in workmanship for a period of three hundred sixty five (365) days from date of purchase. This warranty covers all metal, fiberglass, and plastic parts. This warranty does NOT cover rubber parts, communications components, or head cushions. In addition, due to the electrolytic nature of underwater cutting and welding, chrome plating cannot be warranted when the diver engages in these activities.

Should any part become defective, contact the nearest authorized KMDSI dealer. If there is no dealer in your area, contact KMDSI directly at (805) 928-7772. You must have a return authorization from KMDSI prior to the return of any item, Upon approval from KMDSI, return the defective part, freight prepaid, to the KMDSI plant. The part will be repaired or replaced at no charge as deemed necessary by KMDSI.

**This warranty becomes null and void if:**

- 1) The product is not registered with KMDSI within ten (10) days of purchase.**
- 2) The product has not been properly serviced and/or maintained according to the appropriate KMDSI manual. In addition, the user is responsible to ensure that all product updates as recommended by KMDSI have been performed.**
- 3) Unauthorized modifications have been made to the product.**
- 4) The product has been abused or subjected to conditions which are unusual or exceed the product's intended service.**

**NOTE:** Be sure to complete the enclosed warranty card and return it to KMDSI immediately. No warranty claims will be honored without a satisfactorily completed warranty card on file at KMDSI.

## Record Of Changes

It is the responsibility of the owner of this product to register their ownership with Kirby Morgan Dive Systems, Inc., by sending the warranty card provided. This card is to establish registration for any necessary warranty work and as a means of communication that allows KMDSI to contact the user regarding this product. The user must notify KMDSI of any change of address by the user or sale of the product.

All changes or revisions to this manual must be recorded in this document to ensure that the manual is up to date. Quantities marked in parenthesis.

Change Number	Date	Description of Change
1	07/02/2010	Updated entire manual
2	06/13/2012	Updated copyright

### **WARNING**

**Diving with compressed breathing gas is a hazardous activity. Even if you do everything right there is always the potential for serious injury or death. No one piece of diving equipment can prevent the possibility that you may be injured or killed any time you enter the water. We do not herein make any effort to teach the principles of diving. The information in this manual is intended for users of Kirby Morgan helmets and persons that maintain or service Kirby Morgan helmets.**

# Table Of Contents

Warranty Information .....	II
Record Of Changes .....	III
<b>Definition of Signal Words Used in this Manual .....</b>	<b>X</b>
<b>Chapter 1 General Information KMDSI Products .....</b>	<b>1</b>
1.1 Introduction .....	1
1.2 Full-Face Masks and Manifolds .....	2
1.3 Kirby Morgan Diving Helmets .....	4
<b>Chapter 2 Description &amp; Operational Specifications SuperLite 17K .....</b>	<b>9</b>
2.1 CR Marking .....	9
2.2 CE Certification .....	9
2.3 Product Specifications .....	9
2.4 Regulator Performance .....	9
2.4.1 SuperFlow® and SuperFlow® 350 Demand Regulators .....	9
2.5 Cage Code .....	9
2.6 Operational Specifications & Limitations .....	10
2.7 Helmet Features .....	11
2.8 General Description .....	12
2.8.1 Helmet Shell .....	12
2.8.2 Gas Flow Systems .....	12
2.8.3 Emergency Gas Supply System (EGS) .....	16
2.8.4 Helmet Attachment to the Diver .....	16
2.8.5 Sealing Arrangement .....	17
2.8.6 Reducing Carbon Dioxide .....	17
2.8.7 Communications .....	18
2.8.8 Equalizing the Middle Ear .....	18
2.8.9 Face Port or Viewing Lens .....	18
2.9 Accessories .....	18
2.9.1 Eye Protection for Welding .....	18
2.9.2 Hot Water Shroud for SuperFlow® 350 .....	19
2.9.3 Special Regulator Tools for SuperFlow® 350 .....	19
2.9.4 Helmet Carrying Bag .....	20
2.10 Use of Kirby Morgan Original Replacement Parts .....	20
<b>Chapter 3 Operating Instructions .....</b>	<b>21</b>
3.1 Introduction .....	21
3.2 Design Purpose .....	21
3.3 First Use of Your Kirby Morgan Diving Helmet .....	23
3.4 Initial Adjustments to Your Helmet .....	23
3.4.1 Head Cushion .....	23
3.4.2 Trimming the Neck Dam .....	23
3.4.3 Adjusting the Neck Pad .....	24
3.5 Pre Dress-In Procedure .....	25
3.5.1 Pre-Dive Visual Inspection .....	25
3.6 Preparing the Helmet for Diving .....	26
3.6.1 Clean Face Port .....	26
3.6.2 Check Moving Parts .....	26
3.6.3 Check Communications .....	26

3.6.4 One Way Valve Check .....	26
<b>3.7 Emergency Gas System (EGS) .....</b>	<b>27</b>
<b>3.8 Setting Up to Dive .....</b>	<b>31</b>
3.8.1 Flushing Out the Umbilical .....	31
3.8.2 Connecting the Umbilical to the Helmet .....	31
3.8.3 Opening the Breathing Gas Supply to the Helmet .....	32
3.8.4 Fogging Prevention .....	32
3.8.5 Donning The SL 17K .....	32
3.8.6 Testing the Breathing System .....	34
3.8.7 Adjust Regulator for Low Work Rates .....	34
3.8.8 Sealing Integrity Check .....	35
<b>3.9 Removing the Helmet .....</b>	<b>35</b>
<b>3.10 Diving Procedures .....</b>	<b>36</b>
3.10.1 Standing By to Dive .....	36
3.10.2 Attaching the Umbilical to the Harness .....	36
3.10.3 Diver Dons Helmet .....	36
3.10.4 Diver Check Gas Flow Systems .....	36
3.10.5 Communications Check .....	36
3.10.6 Diver Ready .....	36
3.10.7 Water Entry and Descent .....	36
<b>3.11 Emergency Procedures .....</b>	<b>37</b>
3.11.1 Flooding .....	37
3.11.2 Inhalation Resistance .....	37
3.11.3 Gas Flow Stops .....	37
3.11.4 Demand Regulator Free Flow .....	37
<b>3.12 Post Dive Procedures .....</b>	<b>37</b>
3.12.1 Removing the Equipment .....	37
3.12.2 Removing the Helmet .....	37
3.12.3 Storage of the Helmet Between Dives .....	38
<b>Chapter 4 Troubleshooting .....</b>	<b>39</b>
4.1 General .....	39
4.2 Communication Malfunction .....	39
4.3 One Way Valve Malfunction .....	39
4.4 Side Valve Malfunction .....	40
4.5 Water Leakage Into Helmet .....	40
4.6 Demand Regulator Malfunction .....	41
4.7 Emergency Gas Supply Valve .....	41
<b>Chapter 5 Inspection and Maintenance .....</b>	<b>43</b>
5.1 Routine Maintenance .....	43
5.1.1 Daily Pre-Dive Maintenance A2.3 .....	43
5.1.2 Daily Post Dive Maintenance A2.6 .....	43
5.1.3 Supervisors Equipment Checks A2.4 and A2.5 .....	43
5.2 Monthly Maintenance .....	43
5.3 Yearly Maintenance .....	43
5.3.1 Overhaul/Inspection Checklist A2.1 .....	43
<b>Chapter 6 General Preventative Maintenance .....</b>	<b>45</b>
6.1 Introduction .....	45
6.2 Required tools, Cleaning Agents, Lubrication .....	45
6.2.1 Component and Parts Cleaning .....	46

6.2.2 Component and Parts Lubrication .....	46
6.2.3 Teflon® Tape .....	47
6.2.4 RTV Sealant .....	47
6.2.5 Thread Locker .....	47
<b>6.3 General Cleaning &amp; Inspection Procedures .....</b>	<b>47</b>
6.3.1 O-Ring Removal/Inspection/Cleaning and Lubrication .....	48
6.3.1.1 O-Ring Removal: .....	48
6.3.1.2 O-Ring Inspection: .....	48
6.3.1.3 O-Ring Reuse: .....	48
6.3.2 General Cleaning Guidelines .....	48
6.3.2.1 Mild Soap Solution for General Cleaning and Leak Detector Use .....	49
6.3.2.2 Acidic Cleaning Solution and Procedures .....	49
6.3.2.3 Germicidal Cleaning Solutions and Procedure .....	49
<b>6.4 Daily Maintenance .....</b>	<b>50</b>
<b>6.5 Monthly Maintenance (or between jobs) .....</b>	<b>51</b>
6.5.1 Locking Collar Assembly & Helmet Ring .....	51
6.5.2 Neck Dam Ring Assembly .....	51
6.5.3 Head Cushion and Chin Cushion .....	51
6.5.4 Communications Inspection .....	52
6.5.5 Lubricate Nose Block O-Rings .....	52
6.5.6 Inspect the Exhaust Valve .....	52
<b>Chapter 7.0 Breathing System Maintenance and Repairs .....</b>	<b>55</b>
<b>7.1 Introduction .....</b>	<b>55</b>
<b>7.2 One Way Valve .....</b>	<b>55</b>
7.2.1 Disassembly Of The One Way Valve .....	55
7.2.2 Reassembly of the One Way Valve .....	56
<b>7.3 Side Block Assembly .....</b>	<b>57</b>
7.3.1 General .....	57
7.3.2 Side Block Assembly Removal .....	57
7.3.3 Separating the Side Block Assembly from the Helmet Shell .....	57
7.3.4 Side Block Assembly Replacement .....	58
<b>7.4 Defogger Valve .....</b>	<b>60</b>
7.4.1 Disassembly of the Defogger Valve .....	60
7.4.2 Cleaning and Lubricating .....	61
7.4.3 Reassembly of the Defogger Valve .....	61
<b>7.5 Emergency Valve Assembly .....</b>	<b>62</b>
7.5.1 Disassembly of the Emergency Valve .....	62
7.5.2 Cleaning and Lubricating .....	63
7.5.3 Reassembly of Emergency Valve .....	64
7.5.4 Leak Testing the EGS Valve .....	65
<b>7.6 Bent Tube Assembly .....</b>	<b>65</b>
7.6.1 General .....	65
7.6.2 Removal of the Bent Tube Assembly .....	66
7.6.3 Inspection of Bent Tube Assembly .....	66
7.6.4 Installation of the Bent Tube Assembly .....	66
<b>7.7 SuperFlow® 350 Demand Regulator .....</b>	<b>67</b>
7.7.1 General Regulator Information .....	67
7.7.2 SuperFlow® 350 Demand Regulator Test for Correct Adjustment, Fully Assembled .....	67
7.7.3 Inspection of SuperFlow® 350 Regulator Body Interior .....	68
7.7.4 SuperFlow® 350 Demand Regulator Bias Adjustment Servicing, Demand Regulator on the	

Helmet .....	68
7.7.5 Reassembly of the SuperFlow® 350 Regulator Adjustment System .....	69
7.7.6 SuperFlow® 350 Demand Regulator Removal from Helmet .....	70
7.7.7 Disassembly of the SuperFlow® 350 Demand Regulator .....	71
7.7.8 Inspection of SuperFlow® 350 Demand Regulator Parts .....	72
7.7.9 Reassembly of the SuperFlow® 350 Demand Regulator .....	74
7.7.10 Tuning the SuperFlow® 350 Regulator .....	78
7.7.11 SuperFlow® 350 Regulator Steady Flows When Pressured Up: Special Tools Used .....	80
<b>7.8 Oral Nasal .....</b>	<b>81</b>
7.8.1 Oral Nasal General Information .....	82
7.8.2 Oral Nasal Removal .....	82
7.8.3 Inspection of Oral Nasal .....	82
7.8.4 Oral Nasal Replacement .....	83
<b>7.9 Standard Old Style Single Exhaust Whisker PN# 510-554 .....</b>	<b>84</b>
7.9.1 Whisker Removal .....	84
7.9.2 Reinstalling the Whisker .....	85
<b>7.10 Double Exhaust Whisker .....</b>	<b>86</b>
7.10.1 Double Exhaust Whisker Cleaning and Overhaul, Whisker PN# 525-102 .....	86
<b>7.11 Tri-Valve™ Exhaust Assembly .....</b>	<b>88</b>
7.11.1 Tri-Valve™ Assembly Removal .....	88
7.11.2 Tri-Valve™ Exhaust Valve & Regulator Exhaust Valve Replacement .....	89
7.11.2.1 Tri-Valve™ Exhaust Valve Replacement .....	89
7.11.2.2 Regulator Exhaust Valve Replacement .....	90
7.11.3 Tri-Valve™ Assembly Installation .....	90
<b>7.12 Water Dump Exhaust Body .....</b>	<b>91</b>
7.12.1 Water Dump Valve Removal .....	91
7.12.2 Water Dump Valve Replacement .....	91
7.12.3 Water Dump Valve Body Removal .....	92
7.12.4 Water Dump Valve Body Remounting .....	92
<b>7.13 Overpressure Relief / Bleed Valve Overhaul Procedures .....</b>	<b>92</b>
7.13.1 Overpressure Relief Valve .....	92
7.13.2 Overpressure Relief Valve Disassembly and Cleaning .....	92
7.13.3 Overpressure Relief Valve Reassembly .....	93
7.13.4 Overpressure Relief Valve Lift Check/Setting .....	93
<b>Chapter 8 Corrective Maintenance .....</b>	<b>97</b>
<b>8.1 General .....</b>	<b>97</b>
<b>8.2 Helmet Shell Inspection .....</b>	<b>97</b>
<b>8.3 Nose Block Assembly .....</b>	<b>98</b>
8.3.1 Nose Block Assembly Removal .....	98
8.3.2 Nose Block Device Replacement .....	99
<b>8.4 Handle and Weights .....</b>	<b>100</b>
8.4.1 Handle Removal .....	100
8.4.2 Handle Replacement .....	100
8.4.3 Side Weight Removal .....	100
8.4.4 Port Weight Replacement .....	102
8.4.5 Top Weight .....	103
8.4.5.1 Top Weight Removal .....	103
8.4.5.2 Top Weight Replacement .....	103
<b>8.5 Face Port .....</b>	<b>104</b>
8.5.1 General .....	104



8.5.2 Face Port and Nose Block Device Removal .....	104
8.5.3 Face Port and Nose Block Replacement .....	106
8.5.4 Special Note Regarding Ports .....	107
<b>8.6 Neck Ring Assembly .....</b>	<b>108</b>
8.6.1 General Information on Neck Dams .....	108
8.6.2 Removal of the Neck Dam .....	108
8.6.3 Neoprene Neck Dam Replacement .....	108
8.6.4 Latex Neck Dam Replacement .....	111
8.6.5 Trimming a Latex Neck Seal .....	112
<b>8.7 Pull Strap .....</b>	<b>113</b>
8.7.1 Pull Strap Removal .....	113
8.7.2 Pull Strap Replacement .....	113
<b>8.8 Chin Strap .....</b>	<b>113</b>
8.8.1 Chin Strap Removal .....	113
8.8.2 Chin Strap Replacement .....	113
<b>8.9 O-Ring Seal Replacement .....</b>	<b>114</b>
<b>8.10 Helmet Ring .....</b>	<b>115</b>
8.10.1 Helmet Ring Repairs .....	115
<b>8.11 Sealed Pull Pins .....</b>	<b>115</b>
8.11.1 Removal of Sealed Pull Pins .....	115
8.11.2 Replacement of Sealed Pull Pins .....	115
<b>8.12 Swing Tongue Catch .....</b>	<b>116</b>
8.12.1 Disassembly of the Swing Tongue Catch .....	116
8.12.2 Reassembly of the Swing Tongue Catch .....	116
<b>8.13 Locking Collar/Neck Pad .....</b>	<b>118</b>
8.13.1 Locking Collar Removal .....	118
8.13.2 Locking Collar Disassembly .....	119
8.13.3 Locking Collar Reassembly .....	120
<b>8.14 Head Cushion &amp; Chin Cushion .....</b>	<b>122</b>
8.14.1 Head Cushion Foam .....	122
8.14.2 Chin Cushion Foam .....	122
<b>8.15 Communications System .....</b>	<b>123</b>
8.15.1 General .....	123
8.15.2 Earphone Inspection .....	123
8.15.3 Removal of Communications Assembly .....	123
8.15.4 Replacement of Communications Assembly .....	124
8.15.5 Microphone Replacement .....	125
8.15.6 Earphone Replacement .....	126
8.15.7 Waterproof Connector .....	126
8.15.7.1 Connector Removal .....	126
8.15.7.2 Connector Replacement .....	127
8.15.8 Communications Posts .....	128
8.15.8.1 Communications Post Removal .....	128
8.15.8.2 Communications Post Replacement .....	128
<b>Chapter 9 Accessories for the SuperLite 17K .....</b>	<b>129</b>
<b>9.1 Introduction .....</b>	<b>129</b>
<b>9.2 Hot Water Shroud for SL 17K .....</b>	<b>129</b>
9.2.1 Hot Water Shroud Installation Procedures for SL 17K .....	129
<b>9.3 Low Pressure Inflator Hose .....</b>	<b>131</b>
9.3.1 Installation of the Low Pressure Inflator Hose .....	132



9.4 Weld Lens Assembly .....	133
9.4.1 Weld Lens Assembly Installation .....	133
9.5 Weld Shield Assembly .....	134
9.5.1 Weld Shield Assembly Installation .....	134
9.6 Use of Quick Disconnect .....	134
9.7 Accessory Mounting Brackets .....	135
9.7.1 Mount Bracket Installation .....	135
<b>Table of Equivalents</b> .....	137
<b>Appendix 1: Torque Specifications</b> .....	138
<b>Appendix 1: Torque Specifications Continued</b> .....	139
<b>Note on Torque Specifications</b> .....	139
<b>Appendix A2 Maintenance and Inspection Procedures</b> .....	140
<b>Appendix 3 Supply Pressure Requirements &amp; Tables</b> .....	142
Appendix 3 Table 1 Work Rate Expressed as Respiratory Minute Volume (RMV)* .....	143
Appendix 3 Table 2 Compressor Supply Table SuperFlow® and SuperFlow® 350 .....	143
Appendix 3 Table 3 SuperFlow® / SuperFlow® 350 Regulator .....	144
High Pressure Regulated Source .....	144
Appendix 3 Table 4 Supply Pressure Guidelines SuperFlow® 450 Stainless Steel Balanced Regulators High Pressure Regulated Source Supply Pressure Guidelines .....	145
<b>Appendix 4 Standard Kirby Morgan Surface Supply Pressure Formula - Old Method</b> .....	145

## Definition of Signal Words Used in this Manual

For your protection, pay particular attention to items identified by signal words in this manual. These terms are identified as, CAUTION, WARNING AND DANGER. It is especially important for you to read and understand these sections.

### DANGER

This word indicates an imminently hazardous situation, which if not avoided, could result in death or serious injury.

### WARNING

This word indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.

### CAUTION

This word indicates a potentially hazardous situation, which if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

If English is not your native language and you have any difficulty understanding the language of any warnings as they appear in the manual, please have them translated.

### WARNING

Este é um aviso importante. Queira mandá-lo traduzir.

### WARNING

Este es un aviso importante. Sirvase mandario traducir.

### WARNING

Quest è un avviso importante. Tradurlo.

### WARNING

Ceci est important. Veuillez traduire.

### WARNING

Diese Mitteilung ist wichtig. Bitte übersetzen lassen.

If you have any questions concerning this manual or the operation of your helmet, contact KMDSI (805) 928-7772 or by Email at [info@KMDSI.com](mailto:info@KMDSI.com) or Dive Lab Inc. (850) 235-2715 or at [Divelab@aol.com](mailto:Divelab@aol.com)

**IMPORTANT:** A word about this manual. We have tried to make this manual as comprehensive and factual as possible. We reserve the right however, to make changes at any time, without notice, in prices, colors, materials, equipment, specifications, models and availability. Since some information may have been updated since the time of printing, please contact your local KMDSI dealer if you have any questions. Periodically KMDSI Operations and Maintenance Manuals are reviewed. Any updates/changes will be posted on the KMDSI website and may be downloaded for insertion/correction.

#### **Important Safety Information:**

This Kirby Morgan diving helmet is intended for use by trained divers who have successfully completed a recognized training course in surface supplied diving.

**⚠ WARNING**

Follow all the instructions in this manual carefully and heed all safety precautions. Improper use of this diving helmet could result in serious injury or death.

**⚠ DANGER**

Kirby Morgan Dive Systems, Inc. (KMDSI) warns all divers who use the Kirby Morgan diving helmet to be sure to use only KMDSI original parts from a KMDSI authorized dealer. Although other parts, O-rings and fittings may appear to fit on Kirby Morgan diving helmets, they may not be manufactured to the same standards maintained by KMDSI. The use of any parts other than KMDSI original parts may lead to equipment failure and accidents.

**⚠ DANGER**

Diving in waters that are chemically, biologically, or radiologically contaminated is extremely hazardous. Although Kirby Morgan diving helmets may be adapted for use in some contaminated environments, special training, equipment, and procedures are necessary. Do not dive in a contaminated environment unless you have been thoroughly trained and equipped for this type of diving.

Read this manual before using or maintaining the helmet, even if you have experience with other diving helmets. If you have purchased the helmet new from a dealer, be sure to send in the warranty registration card so we may keep you informed of any safety notices that affect this product. If you resell or loan this helmet to another diver, be sure this manual accompanies the helmet and that the person reads and understands the manual. In addition to the manual a log book should be used to log all repairs, maintenance and use.

**⚠ DANGER**

Diving is a life threatening occupation. Even if you do everything right you can still be killed or injured. None of the models of Kirby Morgan helmets or masks can prevent accidents, injuries or death due to improper training, poor-health, improper supervision, improper job requirements, improper maintenance or acts of God.

**⚠ WARNING**

This helmet was completely checked and should be ready to dive as it was shipped from the factory. However, it is always the diver's responsibility to check all the components of the helmet prior to diving.

**⚠ WARNING**

Any and all fiberglass repairs done to this helmet MUST be done by a KMDSI factory trained repair facility. Painting is not recommended by KMDSI. Furthermore, many diving companies will not allow painted helmets to be used because painting can mask previous fiberglass damage. KMDSI certified technicians are not responsible for certifying helmets free from damage during annual overhauls.

Helmet shells can be re-gel coated by authorized/certified KMDSI trained technicians that have received fiberglass training by KMDSI. Helmets that are to be painted for cosmetic purposes, should be first, certified free of fiberglass damage by an authorized KMDSI technician certified in fiberglass repair. A log entry should be made in the helmet log that the helmet was free of damage prior to painting. Keep in mind other KMDSI technician can refuse to work on helmet shells that have previously been painted or repaired by non KMDSI certified persons.

This manual is supplied to the original purchaser of this helmet. If you have any questions about the use of the helmet or you need another copy of this manual, Part Number 100-073, contact KMDSI or your nearest KMDSI dealer or may be downloaded free from the KMDSI website at [www.KirbyMorgan.com](http://www.KirbyMorgan.com).

If you have any questions regarding the use, maintenance, or operation of this helmet, contact KMDSI at (805) 928-7772, fax: (805) 928-0342, or e-mail: info@kirbymorgan.com.

**! WARNING**



**Kirby Morgan masks and helmets are cleaned and lubricated for oxygen service when they come from the factory. However, if the helmet is used with an oil lubricated air compressor, contamination with hydrocarbons may result. If the breathing system in the helmet is exposed to hydrocarbons, it must be cleaned for oxygen service and lubricated with oxygen safe lubricants before using it again with breathing mixtures containing a high percentage of oxygen. If this is not done, fires and explosions may result, exposing the user to serious personal injury or death.**

Components requiring lubrication, should only be lubricated with oxygen compatible lubricants such as ChristoLube®, Fluorolube®, or Krytox®. Lubricants must be used sparingly and should not be mixed with other lubricants.

**! DANGER**

**KMDSI helmets and masks are intended for underwater use only and should only be used by qualified divers that have received proper training in the use of this type of equipment. KMDSI helmets and masks should not be used or worn without the appropriate life support systems, such as air or gas supplies and support personnel as described in this manual.**

**KMDSI helmets and masks should never be used for motor sport racing, aviation / space craft use, or for chemical warfare use. The helmet must never be used by persons in poor physical condition, by persons with previous head neck or back injuries which could be aggravated by its use. The helmet should not be used by persons under the influence of drugs or alcohol. Furthermore, infants, children, or persons under the age of 18 should never wear KMDSI helmets and masks. Failure to pay heed to the above could result in serious injury or death.**

**! DANGER**

**Never use the helmet without first completing all pre-dive maintenance and set up procedures.**

**! DANGER**

**Do not use KMDSI masks or helmets in currents exceeding 3.0 knots Use in currents greater than 3 knots may allow water to enter the exhaust valve, possibly causing regulator flooding.**

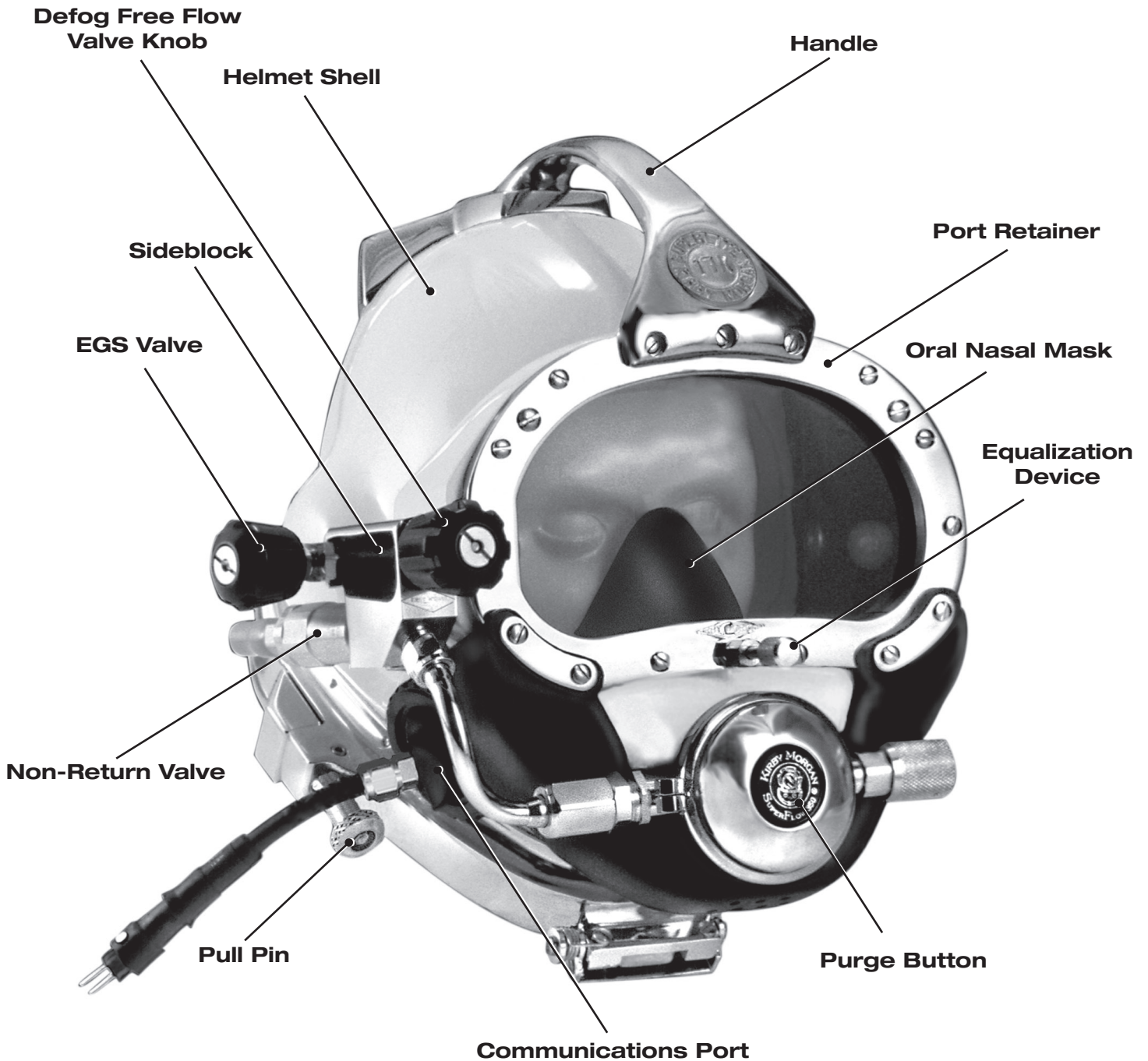
**! WARNING**

**Surface-supplied diving can be a strenuous activity. Most Kirby Morgan helmets weigh in excess of 27 pounds. KMDSI recommends that persons with a previous neck or back injury seek professional medical approval prior to engaging in surface supplied diving operations using any Kirby Morgan helmet. Use of any Kirby Morgan helmet with a pre-existing physical/medical condition may result in death or serious injury.**

The information contained in this manual is intended to aid the user in optimizing the performance of this helmet. The application of some of this information will depend on the diving situation and the use of associated equipment. Many countries have specific laws and rules regarding commercial diving. It is important for the user to understand the rules, regulations, and philosophy imposed by the governing, regulating bodies whenever using commercial diving equipment.

Whenever KMDSI helmets or masks are used in European Countries, which have adopted the C.E. certification programs, they must only be used with C.E. certified components. Diving operations should only be conducted within the

limits of the operational specifications, and in accordance with the rules and regulations established by the governing authority in the specific country or geographical location where the diving operations are being conducted. If you have any questions concerning this manual or the operation of your helmet, contact KMDSI (805) 928-7772 or at info@KMDSI.com or Dive Lab Inc. (850) 235-2715 or at [Divelab@aol.com](mailto:Divelab@aol.com)



**The SuperLite 17K helmet**

