

Bill Routh of OFF THE WALL DIVING

# Product Catalog 2010

Ocean Management Systems, Inc.



## Equipment for Underwater Exploration™

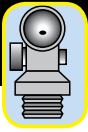
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# Valves & Manifolds

## OMS® VALVES (NEW)

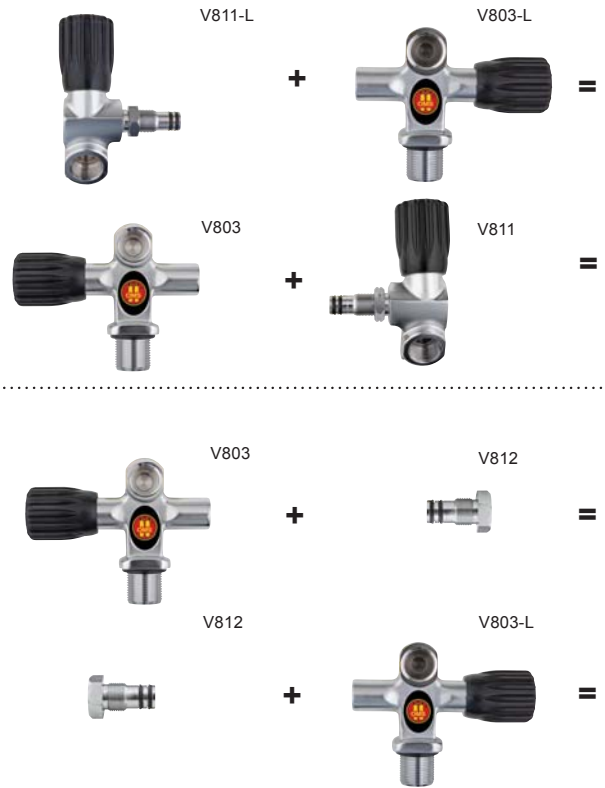
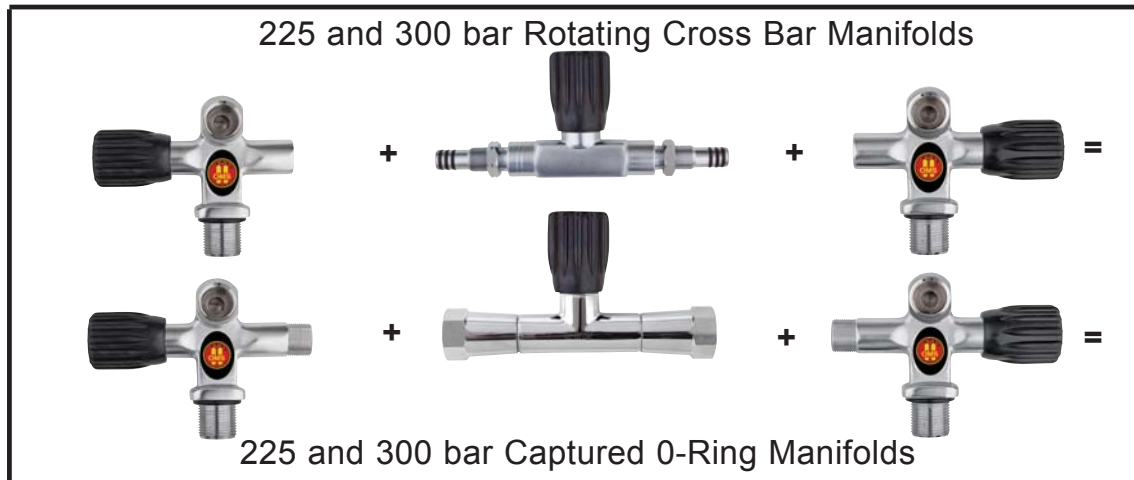
For 2010 OMS® introduces Oxygen serviced valves suitable for use with up to 40% Oxygen. All systems with the exception of the DIN-K valve can be converted back and forth between a Manifold or Single Valve system and can use a Yoke or DIN first stage (225 BAR only).

**Low Profile Modular Valve System:** This especially rugged 300 BAR Manifold is engineered for overhead environments and rebreather usage (single valve).

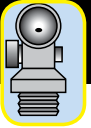
**Rotating Cross Bar/Modular Valve System** (3) O-Rings per side: Can be used as a manifold, single or H valve. 225 BAR or 300 BAR systems available.

**Fixed Crossbar/Captured O-Ring Modular Valve System:** Manifold can be "broken down" into single Valves. 225 BAR or 300 BAR systems available.

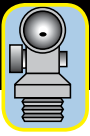
**Non Modular DIN-K Valves:** Includes Yoke adapter insert.



# Valve Specifications



| Item Number     | Description   | Valve Thread    | First Stage Accommodation | Burst Disk Service Pressure | Burst Disk Rupture Pressure | Oxygen Compatible Materials | Max Valve Pressure Rating (DIN Style Only) | Manifold Centerline Distance | Cylinder OD Sizes |
|-----------------|---|-----------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|--|------------------------------|-------------------|
| V820RC & V830RC |   |                 |                           |                             |                             |                             |  |                              |                   |
| V820RC          | 225 bar Rotating Cross Bar Manifold                 | USA 3/4" 14NPSM | DIN & YOKE                | 3500 psi                    | 5800 psi                    | YES                         | 4500 psi                                   | 209mm   222mm                | 6.9" to 8"        |
| V830RC          | 300 bar Rotating Cross Bar Manifold                 | USA 3/4" 14NPSM | DIN                       | 3500 psi                    | 5800 psi                    | YES                         | 4500 psi                                   | 209mm   222mm                | 6.9" to 8"        |
| V-801 & V-802   |   |                 |                           |                             |                             |                             |  |                              |                   |
| V801            | 225 bar Isolation Manifold                          | USA 3/4" 14NPSM | DIN & YOKE                | 3500 psi                    | 5800 psi                    | YES                         | 4500 psi                                   | 215mm                        | 6.9" to 8"        |
| V802            | 300 bar Isolation Manifold                          | USA 3/4" 14NPSM | DIN                       | 3500 psi                    | 5800 psi                    | YES                         | 4500 psi                                   | 215mm                        | 6.9" to 8"        |
| V804-L          |   |                 |                           |                             |                             |                             |  |                              |                   |
| V804            | H-Valve Right                                       | USA 3/4" 14NPSM | DIN & YOKE                | 3500 psi                    | 5800 psi                    | YES                         | 4500 psi                                   |                              |                   |
| V804L           | H-Valve Left  | USA 3/4" 14NPSM | DIN & YOKE                | 3500 psi                    | 5800 psi                    | YES                         | 4500 psi                                   |                              |                   |
| V803            |   |                 |                           |                             |                             |                             |  |                              |                   |
| V812R           | Plugs Insert in V-803 Valve Bodies                  |                 |                           |                             |                             | YES                         | 4500 psi                                   |                              |                   |
| V812L           | To convert to single right & left valves            |                 |                           |                             |                             | YES                         | 4500 psi                                   |                              |                   |
| V803            | DIN/K Valve Right                                   | USA 3/4" 14NPSM | DIN & YOKE                | 3500 psi                    | 5800 psi                    | YES                         | 4500 psi                                   |                              |                   |
| V803L           | DIN/K Valve Left                                    | USA 3/4" 14NPSM | DIN & YOKE                | 3500 psi                    | 5800 psi                    | YES                         | 4500 psi                                   |                              |                   |
| V836-DIN        |   |                 |                           |                             |                             |                             |  |                              |                   |
| V-DIN           | Stainless Steel DIN Valve Protector / Gas Protector |                 |                           |                             |                             | YES                         | 4500 psi                                   |                              |                   |
| V836-DIN        | Non-Modular DIN/K Valve                             | USA 3/4" 14NPSM | DIN & YOKE                | 3000 psi                    | 4500 to 5000 psi            | YES                         | 4500 psi                                   |                              |                   |



# VALVES

## Low Profile™ System

OMS® is pleased to introduce the new 300 BAR DIN LOW PROFILE™ MODULAR Valve System manufactured from Aircraft grade brass. This system is particularly suited for those divers who wish to limit the valve height exposure when exploring in low and irregular overhead environments. Offers complete versatility and can be used as:

1. Isolation Manifold
2. Dedicated left or right Single valve with one (1) or redundant two (2) outlets
3. Rebreather Valve (inverted)



### Item#

V900

### Description

Low Profile™ Manifold System



### Item#

V903

### Description

Low Profile™ Diver's Right Single Valve with Plug

V903L

Low Profile™ Diver's Left Single Valve with Plug



### Item#

V912

### Description

Low Profile™DIN PLUG to close 2nd outlet Diver's Right and Left Single Valve

| Item # | Description                | Burst Disc Service/Rupture PSI | Max PSI | Center line | Tank OD |
|--------|----------------------------|--------------------------------|---------|-------------|---------|
| V 900  | Manifold (Isolation)       | 3500/5800                      | 4500    | 215 mm      | 6.9"-8" |
| V 903  | Diver' right valve w/ Plug | 3500/5800                      | 4500    | N.A.        | N.A.    |
| V 903L | Diver' left valve w/ Plug  | 3500/5800                      | 4500    | N.A.        | N.A.    |
| V 912  | DIN Plug                   | N.A.                           | 4500    | N.A.        | N.A.    |



# Cylinder Bands



## OMS® DUAL CYLINDER BANDS

OMS® Band Kits are now offered in 2.5" widths (to accommodate moderate height cylinders) and 3.00" widths (to accommodate taller and heavier cylinders). Your band choice will depend on whether or not you choose to use a boot, and if you use a boot, its height, and the overall length and weight of the cylinders.

Due to a new inert gas welding technique OMS® bands are the strongest in the world! A 3rd party conducted a destructive pull test and the nearest high quality competitors bands failed at 7000 lbs. pull while OMS® bands withstood 9500 lbs.!

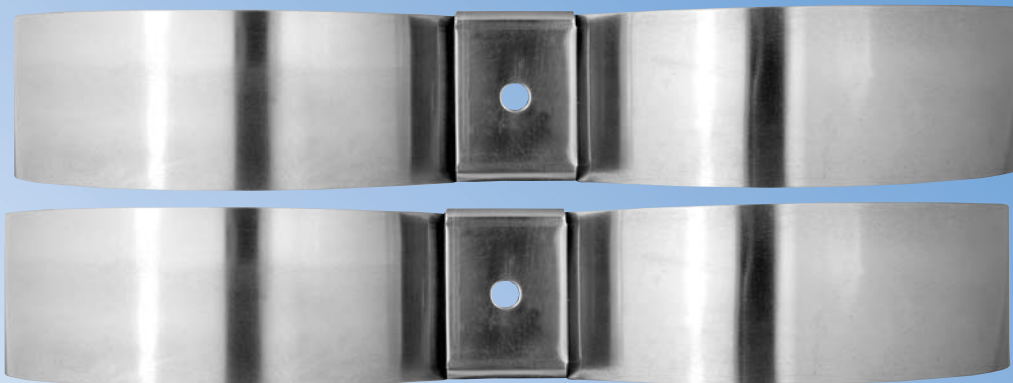
Additionally if you own painted cylinders you can take comfort in knowing that OMS® band edges are rolled (edge relieved) to prevent paint gouging and scratching during assembly (most other bands have sharp non rounded edges).

Threaded rods, nuts and washers are supplied with each band kit so that you can use a single or multiple back plates (dedicated bolts do not allow you to do this).

Notes: 1. All band kits supplied with (2) threaded rods, wing nuts, nuts, and washers

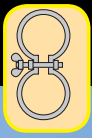
2. All parts are made from passivated, electro-polished 304 Stainless Steel

3. All bands are edge relieved (deburred)



| OMS Item # | Double Band Description                                  | Cylinder O.D.'s | Manifold Center to Center Distance | Rod Length        |
|------------|--|-----------------|------------------------------------|-------------------|
| BD2570-K   | 2.5" width designed for short to medium height cylinders | 7.00"           | 215 mm +/- .75                     | 5/16"-18 x 6.5" L |
| BD2572-K   | 2.5" width designed for short to medium height cylinders | 7.25"           | 215 mm +/- .75                     | 5/16"-18 x 6.5" L |
| BD2580-K   | 2.5" width designed for medium to tall height cylinders  | 8.00"           | 215mm +/- .75                      | 5/16"-18 x 6.5" L |
| BD3080-K   | 3.0" width designed for tall and heavy cylinders         | 8.00"           | 215 mm +/- .75                     | 5/16"-18 x 6.5" L |
| BD350-KA   | Travel bands utilizing (4) cam bands and (2) brackets    | 6.90" - 8.0"    | Single valves only                 | 5/16"-18 x 6.5" L |





# Cylinder Bands

## DUAL CYLINDER TRAVEL BAND SYSTEM

This innovative two part travel band system allows the traveling diver to pack light: combined weight of both assemblies is 3 pounds. Each assembly utilizes (2) 2" cam bands woven through aluminum rods and (1) 5/16" threaded rod. This (2) part band system works with all OMS® harness systems and the threaded rod center to center distance can be adjusted. To be used only with independent doubles.

| Item#    | Description                                |
|----------|--|
| BD350-KA | Dual Travel Band System with Aluminum Rods |



## SINGLE CYLINDER ADAPTER

All OMS® Backplate/Harness systems can accommodate a single cylinder just by adding Cam Bands. The low profile Single Cylinder Adapter also allows the diver to use a single cylinder with any of the OMS® backplate/harness system but with added stability. The Single Cylinder Adapter includes all hardware, (2) Nylon Cam Bands with Stainless Steel Cam Buckles. Total weight is 3.3 lbs.

| Item #   | Description:            |
|----------|-------------------------|
| BCA290-K | Single Cylinder Adapter |



## OMS® CAM BANDS

OMS® offers Cam Buckles in Polished stainless steel. Cam Bands can be used to attach cylinders directly to the Back Plate, IQ Pack™, or the single Cylinder Adapter (BCA290-K). Super hold Velcro® is utilized to keep the strap in place.

| Item #  | Description   |
|---------|---|
| BD188-B | Cam Band with stainless steel buckle; fits 5.5-8.0" cylinders |



# Cylinder Bands

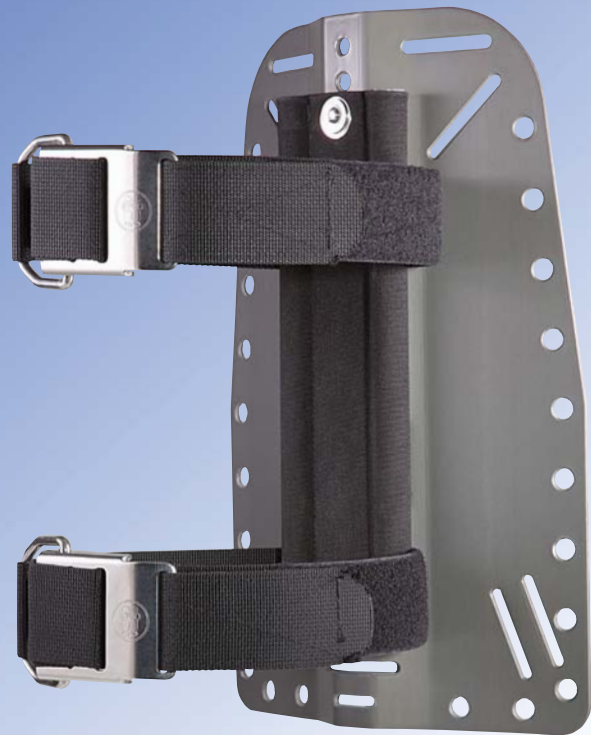


## New! LOW PROFILE, LIGHTWEIGHT SINGLE TANK ADAPTER

The new lightweight Single Tank adapter is ideal for travel, designed to reduce the divers overall height profile (chest to top of cylinder) by keeping the cylinder closer to the divers back and therefore reduces drag. Patent Pending



**NEW**



### Item#

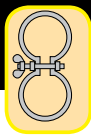
BCA 293

### Description

Low Profile Single Tank Adapter for travel, includes 2 cambands and bookscrews







# Cylinder Bands

## OMS® STAGE BOTTLE HARD AND SOFTWARE

Now you have many options with OMS® stage bottle hard and software.



A494S



A495



### Item# Description

A-490-S 2.0" Stage Bottle Neck Ring with 4.5" Stainless Steel Swivel Eye.

### Item# Description

A-STRAP Fits 5.5" tanks  
A-STRAP-LG Fits 7-8" tanks

### Item# Description

H-SSDRKIT-1 Adjustable Band kit with Optional Quick Link and 4.5" Stainless Swivel Eye snap.

### Item# Description

A494S Continuous 1" Stage Bottle Strap with carrying handle and Swivel Bolt Snaps. Includes hose clamp. (Available with Stainless Steel Snaps)

### Item# Description

A495 Soft 1" neck strap with optional Stage Bottle Band (H-SSDRKIT-1). (Snap and Quick Link sold separately)

## OMS® STAINLESS STEEL STAGE BOTTLE BANDS

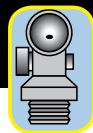
Engineered to provide an adjustable fit. Stainless Steel band is adjustable from 2.5" to 8.0". Each assembly is equipped with a "Taco" D-Ring retainer. Assembly is available with either a 1" or 2" D-Ring.

### Item# Description

H-SSDRKIT Adjustable band (includes 2" stainless steel D-Ring, bracket and band)

H-SSDRKIT-1 Same as above but includes 1" stainless steel D-Ring





## DETACHABLE REMOTE VALVE KNOB ASSEMBLY

This assembly could save your life. It can shave seconds off your reaction time during an emergency shut down of your Isolation knob saving precious gas. Both the 24" and 30" flexible Remote Valve Knob assemblies will now incorporate a new stainless steel knob that attaches to the OMS® hand-wheel stem. The cable assembly can be configured under the arm or over the shoulder for instant on/off valve actuation. Valve knob remains functional independent of the cable.



### Item#

### Description

V164

Remote Valve Knob  
Assembly 24 "

V164-30

Remote Valve knob  
Assembly 30"





# OMS® Buoyancy Compensators

CE Approved

## OMS® BC'S

PLEASE PULL DOWN OUR ZIPPER!

NASA, NOAA, NPS, world Class Record holders, deep explorers and those who simply demand the best specify OMS® BC's. Why?

Pull down the zipper of the outer cover of the OMS® BC and you will see 1000 denier Nylon fabric backed with 5 to 6 oz. of Thermoplastic Polyurethane (TPU) and on the Chemically Resistant BC's 5-6 oz. TPU front and back (B116-32 utilizes 1680D Nylon with a .12 mm TPU coating). This thicker TPU coating helps prevent abrasion and increases puncture resistance. Most competitors use only 1/2 oz. or no urethane backing on their BC covers making them susceptible to punctures, abrasion and subsequent leaks.

Housed inside the outer cover we use a puncture resistant bladder constructed from 200 denier Nylon fabric backed with .12 mm of TPU. Most of our competitors use only a thin plastic film bladder that is more susceptible to damage.

There are other differences such as 100% quality assurance inspection for leaks, imperfections and defects before your OMS® BC is delivered.

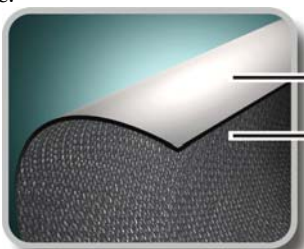
## Elastomeric Retraction Band BC Features:

- Dual Bladder:** Inflator hoses and Dump valves are interchangeable for a variety of unique hose configurations. The dual bladder model features a total of (4) pull dump valves located:
  - Divers Side bladder: lower left and top right
  - Tank Side bladder: lower right and top left
  - Colors: Black or Red
- Single Bladder:** The single bladder model has (2) relief valves located: diver's right shoulder and divers lower left. Inflator hoses and Dump valves are interchangeable Colors: Black or Red (45 lb. and 60 lb. Black only)
- Power Deflation/Oral Inflation:** The unique elastomeric bands (use is optional) assist in deflation but still allow the diver to orally inflate the BC.
- Elimination of Air Shift:** The OMS elastomeric bands evenly compress the BC, eliminating the massive air shift associated with non-banded BC's; that typically occurs when changing body plane.
- Low Drag/Low Snag:** The OMS bands typically retract the BC to a width less than the diver's shoulders greatly reducing Drag and Snag potential.
- Trim Adjustability:** By adding or eliminating bands in different parts of the BC the diver can adjust: a. lateral trim to compensate for stage bottles, cameras, etc. b. Horizontal trim e.g. head up, down or level
- Cam Band accommodation:** (2) Top and (2) Bottom Slots are positioned in the non inflated area for Cam Band usage.



## BC's without retraction bands

The OMS® 32 lb, 45 lb. and 60 lb. lift non-retraction band BC's are made from the same superior materials as the banded BC's. They incorporate a pull dump located at the diver's side lower left and an inflator hose exiting the center or slightly off center of the BC tank side. Slots are provided in the non inflated area for Cam Band usage.



5-6 oz. Urethane

1000 Denier Nylon

### Item#

BC116-32B  
BC116-32R

### Description

Non retraction single tank BC 32 lb. lift/Black  
Non retraction single tank BC 32 lb. lift/Red



# OMS® Buoyancy Compensators



## Item# Description

BC118-K Dual Bladder BC - inflated  
94 lb. lift in Black or Red

BC115-K Dual Bladder BC, 60 lb. lift in  
Black or Red

## Item# Description

BC118-K Dual Bladder BC - deflated,  
94 lb. lift in Black or Red



## Item# Description

BC117-K45 Single Bladder BC, 45 lb. lift / Black  
BC117-K60 Single Bladder BC, 60 lb. lift / Black  
BC117-K Single Bladder BC, 94 lb. lift / Black or Red

## Item# Description

BC116-45B Non-retraction Single Bladder BC 45 lb. lift / Black  
BC116-60 Non-retraction Single Bladder BC 60 lb. lift / Black  
or Red

Note: All stated BC lift capacities are +/- 2 lb.





# OMS® Buoyancy Compensators

## OMS® CHEMICALLY RESISTANT BC AND IQ PACK™

This BC has been redesigned to meet the stringent requirements of Public Safety Divers (PSD) and Military divers around the world with regard to diving either in polluted water or HAZMAT conditions. The BC is now made with double bag construction and the IQ pack™ has new materials added to prevent adsorption of toxic liquids and undesirable substances. This makes the BC and harness easy to decontaminate. Both harness and BC use a 5.9 oz. Urethane coated Nylon (coated on both sides) giving both outstanding chemical and abrasion resistance. The harness now incorporates a heavy duty 8mm D-Ring so that the diver can be tethered and lifted out of the water.

SHOWN: IQ Pack™ and 60 lb lift BC with special urethane coated material



**Item #**

IQ™ C

**Description:**

IQ Pack™ with special chemical resistant material

**Item #**

BC116-60C

**Description:**

60 lb. lift non banded black BC with special chemical resistant material



# OMS® Buoyancy Compensators



## LARRY GREEN SIGNATURE SERIES™ BC

The 45 lb. and 70 lb. Larry Green Signature Series™ BC's incorporate the latest thinking in hydrodynamic engineering. Deep Underwater cave explorer Larry Green conceptualized this innovative design after many years of deep cave diving experience. Both the 45 lb. and 70 lb. lift BC's are designed and tailored to fit the full length of the cylinders providing increased control over trim and the reduced width dramatically reduces drag. These are the first BC's to be designed that are specifically tailored to fit aluminum 80 cu. ft and taller cylinders.

### Item#

### Description:

BC-LGS45

Larry Green Signature Series BC 45 lb. lift

BC-LGS70

Larry Green Signature Series BC 70 lb. lift



## NEW! Chemically Resistant 45 lb Lift BC

This BC is identical to the retraction banded BC117-K45 except that it is coated front and back with 5.9 oz of TPU which is extremely resistant to Chlorine and hydrocarbons. This makes this BC an excellent choice for highly chlorinated pools or a BC that is going to be used in a petrochemical contaminated environment.

### Item #

### Description:

BC117CR-K45

45 lb. TPU coated Single Bladder BC 45 lb. lift/ Black





# BC/ Harness/Mounting Systems

## B.Y.O.B.S BUILD YOUR OWN BUOYANCY SYSTEM

With 12 BCD's and (6) Harness Systems it is possible for you to configure for just about any diving environment. There are a multitude of combinations and some of the more popular are listed and pictured.

The single tank **Sport Diver** can take the new the 32 lb. lift BC and combine it with the IQ Pack™ or Continuous Weave harness system (BP166) to make the perfect Sport diving System. **Fig. 2**

The **Hogarthian Diver** may wish to combine the one piece harness systems with back plate (BP166), single cylinder adapter and combine it with the 45 lb lift for single cylinder diving. Doubles can also be used with this BC/Harness combo. **Fig. 3**

Those divers wanting to use **singles as well as doubles** can use the more popular of the harness systems such as the IQ Pack™, the Comfort Harness System™ and the Comfort Harness System II™ (page 22). Shows the popular Comfort Harness System™ combined with the Larry Green Signature Series™ BC. **Fig. 4**

**Technical divers doing shipwreck penetration** consistently using doubles usually opt for the S/S or Aluminum Back plate Harness Systems with w/ single shoulder release (BP123-S) or the Comfort Harness System™ (BP133-S) combined with one the OMS® Elastomeric banded BC's. **Fig. 5**

**Side mount Divers** using Closed Circuit Rebreather (CCR) or open circuit equipment can incorporate the IQ Pack™, the Tesseract™ BC and the Side Mount System **Fig. 1**

The choices are endless and intended to suit your particular discipline of diving.

Fig.1



# Buoyancy Compensators



Fig. 2



IQ Pack

+



BC116-32R

=



BPK-IQ32R

Fig. 3



BP166 with BP015

+



BP116-45B

=



BPK-SSCO45B

Fig. 4



BP133-S

+



BC-LGS70

=



BPK-SSCLG70

Fig. 5



BP123-S

+



BC118-KR

=



BPK-SSD94R







# OMS® Buoyancy Compensators

## TESSERACT™ BC

The new Tesseract™ 60 lb lift dual bladder wing is equipped with elastomeric bands for low drag and is the perfect complement to the OMS® Profile™ Side-mount system, or a rebreather. The Tesseract™ like all other OMS® BC's uses rugged 1000 denier Nylon backed with 5-6 oz. Thermoplastic Polyurethane (TPU) for superior abrasion resistance in all overhead environments. The inflation and dump valves are interchangeable for ease of configuration from top to bottom. Like all OMS® BC's the Tesseract™ integrates with many OMS® harnesses where integral pull dump tunnels can be used to route the BC dump valve cords for ease of access.

**TRIM AND AIRFLOW:** This BC is engineered with an 60 lb. lift dual bladder design, incorporates a "donut design", resulting in superior buoyancy and trim control. The top of the BC (neck area) has a narrower air pathway design and the bottom air tunnel adds 10 lbs of lift (butt area) creating an optimum "heads up" trim position.

**LOW PROFILE and DRAG:** The Tesseract™ wing by design maintains a low profile and drag ratio due to the new and unique retraction band system. Diver's side located inflator and dump assemblies eliminate "hang-ups", impact damage and drag in overhead environments.



### Item#

### Description

BC-TS-60

Tesseract™ 60# lift  
Dual bladder BC



# Public Safety Diving



## OMS® TACOPS™ BC

This BC has been produced in response to requests from the Military, Public Safety Diving Sector and Power Boat Racers for a rapid deployment BC system and bail out system. This unit is supplied with a front Horse Collar style BC coupled to a detachable back unit. The entire system can be rapidly donned and can be equipped with a front mounted cylinder. If the user chooses he can detach the back mounted unit and use the Horse Collar as a standalone unit.

### Features:

- 32 lb lift capacity
- Divers left side Power Inflator & LP Hose
- Si-Tech 360 degree swivel inflator (divers side lower left)
- Optional Regulator, SPG (pressure gauge)
- Divers Right side Shoulder Dump
- Accommodates optional front mounted 6,13,20 & 27 cu. ft. capacity cylinders and valves
- Chest mounted 2" D-rings on Horse collar: (2) divers right (1) divers left
- Adjustable Crotch Strap
- 2 bag system consisting of an outer bag constructed from Heavy Duty 5 oz Urethane Coated 1000 Denier Material devoid of any mesh material to prevent punctures and tears and an inner bladder made from 210 Denier Nylon w/3.8oz PU backing

### Item#

BC-TCPS-R

BC-TCPS-B

### Description

TACOPS™ BC Red

TACOPS™ BC Black





# OMS® BC/Back Plate Harness Systems

## OMS® BC/BACK PLATE HARNESS SYSTEMS

**Back plates:** OMS's superior deburring process eliminates back plate sharp edges, and prevents abrasion and cuts to webbing and BC's. The Aluminum Back plate weighs 1.75 lbs., the Stainless 5.75 lbs and both include the following slots: 1" and 2" width Crotch Strap, (2) Cam Band, and a bottom slot to accommodate band bolts that are slightly off 11" On Center. Stainless Steel plate is passivated to prevent oxidation and the Aluminum plate is Hard Coat Anodized.

**Harness Systems:** OMS® now offers 5 innovative harness systems that can be coupled with the Aluminum or Stainless Steel back plates. Perhaps the newest and most innovative development is that the Comfort Harness Systems I™ and II™ along with the IQ Pack™ now incorporate a pull dump tunnel on each shoulder pad. See figures 6 and 7 on pages 21 and 22.

**Complete Aluminum or Stainless Steel Backplate/Harness Systems :** A. One piece Hogarthian System (BP-166) Fig. # 2 B. Harness with single shoulder release (BP-123/120) Fig. #3 C. Comfort Harness System™ (BP-133) with 2 chest mounted D-Rings Fig. #'s 4 & 5 D. Comfort Harness System II™ (BP-134) with adjustable **Oblique webbing** and 4 chest mounted D-Rings Fig.#'s 7, 8, 9 E. IQ Pack™ (IQ) Fig. #6 F. Hazmat Public Safety Diving harness (see page 14). Many of the harness' can be customized with the following options: cummerbund, shoulder pads, back pad and Emergency Deployment System™. All systems are supplied as pictured.

Fig. #2



Fig. #3



### Item# Description

BP-166 One Piece Harness System  
(Harness sold separately from back plate)

### Item# Description

BP-123-S S/S Back plate Harness System  
w/ single shoulder release

BP-120-S Aluminum Back plate Harness System  
w/ single shoulder release



# OMS® BC/Back Plate Harness Systems



Fig. #4



**Item#** BP-133-S  
**Description** Comfort Harness System™ standard with shoulder pads

Fig. #5



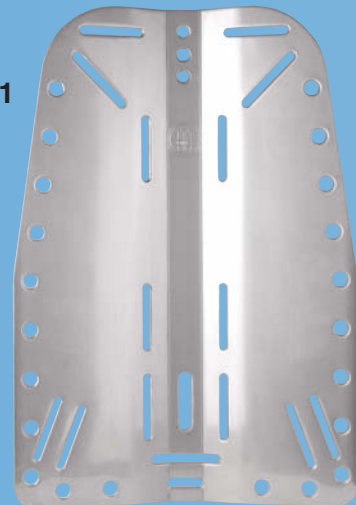
**Item#** BP-133-S  
**Description** Comfort Harness System™ shown with optional Cummerbund (BCA-CBD2) and optional Back pad (BCA-BPP)

Fig. #6



**Item#** IQ™  
**Description** IQ Pack™ shown without optional pockets (page 17)

Fig. #1



**Item#** BP020  
**Description** Aluminum Back Plate 1.75 lbs.

**Item#** BP015  
**Description** Stainless Steel Back Plate 5.75 lbs.





# OMS® BC/Back Plate Harness Systems

Fig. #7



**Item#**  
BP-134

**Description**

Shown is the Comfort Harness System II™ with adjustable Oblique webbing, (4) Chest Mounted D-Rings, and a pull dump tunnel on each shoulder pad, available with an aluminum (BP134-A) or stainless steel back plate (BP134-S). Harness available in size Small, Medium, and L/XL

**Item#**  
BP134

**Description**

Comfort Harness System II™



Fig. #8

Fig. #9



BP-134 Side View showing Oblique strap adjustability



# Back Plate & Harness Accessories



BCA267-K



BCA298



BCA159-K



BCA-BPP



Emergency  
SMB →

BCA-ZPB



BCA-ZPB **Zipper Pull Ball:** The 1.16" diameter Zipper Pull Ball® is an accessory that better enables the diver equipped with Mitts or Dry Suit Gloves to locate and grasp the Zipper Pull for ease in opening and closing his pockets. 8 balls/bungee cords per package.

## Item# Description

BCA267-K **EDS:** This (3) compartment EDS system is designed to better facilitate deployment of the 660' depth rated canister (BCA 298), SMB or lift bags and can be butt mounted on any of the back plates or the IQ Pack™.

BCA298 **660' Depth Rated Canister:** Capable of holding an optional flare, dye marker, strobe, etc.

BCA159-K **Shoulder Pads/Hose Holders:** This dual purpose easy on/easy off Velcro™ closure accessory can be utilized for harness shoulder pads or holding multiple hoses for streamlining purposes.

BCA-BPP **Back Pad:** This comfort back pad will fit on any of the OMS® back plate harness systems and includes an integral stowage compartment for SMB's and Lift Bags (shown with Emergency SMB being deployed).





# OMS<sup>®</sup> Buoyancy Compensators

## OMS<sup>®</sup> PROFILE<sup>™</sup> SIDE-MOUNT SYSTEM

This system has filled a void and will offer the “at home” and traveling diver freedom from the weight concerns of handling “back mounted” doubles. Side-mount allows individuals with limited physical abilities and lower back issues to enjoy the redundancy of two tanks and two regulators by minimizing the amount of weight on the lower back and lowering the center of gravity for increased stability when entering/exiting the water. Additionally reaching behind your head to shut off or turn on your manifold valve is a thing of the past as both cylinder valves are near your hands. Traveling divers can relax knowing that easily available single tanks are all they need to enjoy redundancy and adequacy of gas supply for any dive around the world.

### Features:

- Allows the diver to utilize most harness and wing systems (with standardized 11 inch O.C. hole spacing)
- Over the shoulder design keeps the wing close to the divers back and allows air to travel freely from divers left to right
- Integral bib adds over 1/8” inch of abrasion protection to the vulnerable top part of the wing
- No changes to the fit of the harness throughout the inflation of the wing from empty to full capacity
- Permits the Rebreather diver to back mount the CCR scrubber and side mount the Oxygen and Diluent cylinders
- Enables the diver to back mount the bottom gas and side mount the decompression gases
- Streamlines the diver allowing access to tight, remote, hard to reach caves and wreck passage ways



**Item#**  
BP-SMS

**Description**  
Profile<sup>™</sup> Side-mount system  
(shown with optional Tesseract<sup>™</sup> BC)



# OMS® Buoyancy Compensators







# Buoyancy Systems...How They Work

**OMS® Dual  
Cylinders**



**OMS® Single or Dual  
Bladder BC**



**Single Cylinder Adapter**

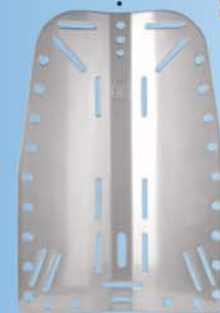


**IQ Pack™ w/ No  
Sag Pockets™**

**Backplate  
Harness System**



**Aluminum or  
Stainless Steel  
Backplate**



# BC & Harness System



## OMS® Back Plate/Harness Specifications

| Item #     | Description                               | Package Dimensions  | Weight   | Back Plate Material        | Harness Material                    | Size Chart   | D-Rings         |
|------------|---|---------------------|----------|----------------------------|-------------------------------------|--|-----------------|
| BP015      | Stainless Steel Back Plate Only           | 15 5/8" w x 11" h   | 5.75 lbs | Passivated Stainless Steel | N/A                                 | N/A  | 0               |
| BP020      | Aluminum Back Plate                       | 15 5/8" w x 11" h   | 1.75 lbs | Hard coat Aluminum         | N/A                                 | N/A  | 0               |
| BP166      | Continuous Weave Harness w/o Back Plate   | 4.25" w x 10" h     | 1.6 lbs  | N/A                        | HD Nylon Webbing                    | Adjustable   | 2 side, 2 chest |
| BP123-S    | Standard Harness w/ SS Back Plate         | 16" w x 11.25" h    | 8.22 lbs | Passivated Stainless Steel | HD Nylon Webbing                    | Adjustable   | 2 side, 4 chest |
| BP120-S    | Standard Harness w/ Aluminum Back Plate   | 16" w x 11.25" h    | 4.05 lbs | Hard coat Aluminum         | HD Nylon Webbing                    | Adjustable   | 2 side, 4 chest |
| BP133-S    | Comfort Harness w/ SS Back Plate          | 18.25" w x 11.25" h | 8.8 lbs  | Passivated Stainless Steel | HD Nylon Webbing                    | Adjustable   | 2 side, 2 chest |
| BP133-A    | Comfort Harness w/ Aluminum Back Plate    | 18.25" w x 11.25" h | 4.78 lbs | Hard coat Aluminum         | HD Nylon Webbing                    | Adjustable   | 2 side, 2 chest |
| BP134-S    | Comfort Harness II w/ SS Back Plate       | 18" w x 11.5" h     | 8.93 lbs | Passivated Stainless Steel | HD Nylon Webbing                    | L-XL   | 2 side, 4 chest |
| BP134-A    | Comfort Harness II w/ Aluminum Back Plate | 18" w x 11.5" h     | 7.96 lbs | Hard coat Aluminum         | HD Nylon Webbing                    | L-XL   | 2 side, 4 chest |
| BP134-L-S  | Comfort Harness II w/ SS Back Plate       | 12" w x 17" h       | 8.97 lbs | Passivated Stainless Steel | HD Nylon Webbing                    | Large  | 2 side, 4 chest |
| BP134-L-A  | Comfort Harness II w/ Aluminum Back Plate | 12" w x 17" h       | 4.93 lbs | Hard coat Aluminum         | HD Nylon Webbing                    | Large  | 2 side, 4 chest |
| BP134-SM-S | Comfort Harness II w/ SS Back Plate       | 12" w x 17" h       | 8.8 lbs  | Passivated Stainless Steel | HD Nylon Webbing                    | S-M  | 2 side, 4 chest |
| BP134-SM-A | Comfort Harness II w/ Aluminum Back Plate | 12" w x 17" h       | 4.93     | Hard coat Aluminum         | HD Nylon Webbing                    | S-M  | 2 side, 4 chest |
| IQ XXS     | IQ Pack                                   | 14" w x 18.5" h     | 3.50 lbs | N/A                        | 840 Denier Nylon w/ .5oz PU coating | Waist: 30"-67"<br>Chest: 24"-43"<br>Height: 4'8"-5'4"<br>Weight: 100 lbs-150 lbs     | 2 side, 2 chest |
| IQ XS-S    | IQ Pack                                   | 14" w x 18.5" h     | 3.52 lbs | N/A                        | 840 Denier Nylon w/ .5oz PU coating | Waist: 32.5"-66.5"<br>Chest: 26"-45"<br>Height: 5'2"-5'9"<br>Weight: 150 lbs-165 lbs | 2 side, 2 chest |
| IQ M-L     | IQ Pack                                   | 15" w x 18.5" h     | 3.59 lbs | N/A                        | 840 Denier Nylon w/ .5oz PU coating | Waist: 32.75"-67"<br>Chest: 29"-52"<br>Height: 5'9"-6'4"<br>Weight: 165 lbs-220 lbs  | 2 side, 2 chest |
| IQ L-XL    | IQ Pack                                   | 15" w x 18.5" h     | 3.57 lbs | N/A                        | 840 Denier Nylon w/ .5oz PU coating | Waist: 32.25"-80"<br>Chest: 35"-56"<br>Height: 6'4"-7'0"<br>Weight: 220 lbs-300 lbs  | 2 side, 2 chest |

## OMS® BC Specifications

| Item #      | Description                               | Dimensions*       | Weight   | Max. Buoyancy | Bag Material   | Bladder Material                     | Silicone Bands | Colors        |
|-------------|---|-------------------|----------|---------------|--|--------------------------------------|----------------|---------------|
| BC118-K     | 94 lb Double Bladder                      | 36.5" w x 25" h   | 6.33 lbs | 94 lb lift    | 1000 Denier Nylon with 5-6oz PU backing                            | 210 Denier Nylon w/ 3.8oz PU backing | Yes            | Black and Red |
| BC115-K     | 60 lb Double Bladder                      | 29" w x 25" h     | 6.32 lbs | 60 lb lift    | 1000 Denier Nylon with 5-6oz PU backing                            | 210 Denier Nylon w/ 3.8oz PU backing | Yes            | Black and Red |
| BC117-K     | 94 lb Single Bladder                      | 36.5" w x 25.5" h | 4.13 lbs | 94 lb lift    | 1000 Denier Nylon with 5-6oz PU backing                            | 210 Denier Nylon w/ 3.8oz PU backing | Yes            | Black and Red |
| BC117-K60   | 60 lb Single Bladder                      | 31.5" w x 24" h   | 3.77 lbs | 60 lb lift    | 1000 Denier Nylon with 5-6oz PU backing                            | 210 Denier Nylon w/ 3.8oz PU backing | Yes            | Black         |
| BC117-K45   | 45 lb Single Bladder                      | 28" w x 25" h     | 3.66 lbs | 45 lb lift    | 1000 Denier Nylon with 5-6oz PU backing                            | 210 Denier Nylon w/ 3.8oz PU backing | Yes            | Black         |
| BC-LGS45    | 45 lb Larry Green Sig Series              | 27" w x 24.5" h   | 3.10 lbs | 45 lb lift    | 1000 Denier Nylon with 5-6oz PU backing                            | 210 Denier Nylon w/ 3.8oz PU backing | No             | Black         |
| BC-LGS70    | 70 lb Larry Green Sig Series              | 28" w x 26.5" h   | 3.5 lbs  | 70 lb lift    | 1000 Denier Nylon with 5-6oz PU backing                            | 210 Denier Nylon w/ 3.8oz PU backing | No             | Black         |
| BC116-60    | 60 lb Single Bladder                      | 31" w x 27.5" h   | 3.40 lbs | 60 lb lift    | 1000 Denier Nylon with 5-6oz PU backing                            | 210 Denier Nylon w/ 3.8oz PU backing | No             | Black and Red |
| BC116-45    | 45 lb Single Bladder                      | 26" w x 23" h     | 3.22 lbs | 45 lb lift    | 1000 Denier Nylon with 5-6oz PU backing                            | 210 Denier Nylon w/ 3.8oz PU backing | No             | Black         |
| BC116-32    | 32 lb Single Tank BC                      | 21.5" w x 25" h   | 2.81 lbs | 32 lb lift    | 1000 Denier Nylon with 5-6oz PU backing                            | 210 Denier Nylon w/ 3.8oz PU backing | No             | Black and Red |
| BC117CR-K45 | 45 lb Chemically Resistant Single Bladder | 28.5" w x 24" h   | 4.32 lbs | 45 lb lift    | Two side PU coated 840 Denier Nylon w/ 5.9oz PU Coating both sides | 210 Denier Nylon w/ 3.8oz PU backing | Yes            | Black         |
| BC116-60C   | 60 lb Chemically Resistant Single Bladder | 29" w x 24" h     | 3.18 lbs | 60 lb lift    | Two side PU coated 840 Denier Nylon w/ 5.9oz PU Coating both sides | 210 Denier Nylon w/ 3.8oz PU backing | No             | Black         |
| BC-TS-60    | Tesseract BC                              | 31" w x 27.5" h   | 3.4 lbs. | 60 lb lift    | 1000 Denier Nylon w/ 5-6oz PU backing                              | 210 Denier Nylon w/ 3.8oz PU backing | Yes            | Black         |

\*Deflated Dimensions





# Pockets & Accessories

BCA 257



BCA-280



BCA-IWP



BCA-143



BCA-269



BCA-270



## Item# Description

BCA143 **Utility/Mask Pouch:** Small (2) compartment (each with zipper) bellowed pouch for easy entry, measures 10"x6". Large compartment has an internal loop to secure line cutters, shears, etc.

BCA280 **Thigh pocket:** Incorporates (2) elastic bands (wraps around thigh) and 2" webbing that fastens to your 2" waist belt area. Pocket is: 10.16"L x 6.16"W by 2.16"D. Super hold Velcro® Flap secures closure and an internal D-Ring secures slates, tools etc. Made from rugged 1680 Denier Cordura® backed with Urethane coating.

BCA257 **Utility/Mask Pouch:** Large (2) compartment (each with zipper) bellowed pouch for easy entry, measures 12" x 9". Large compartment has an internal loop to secure line cutters, shears, etc.

BCA-IWP **No Sag™ Pocket (Patented):** D-ring, webbing and Swivel Eye Snap links the pouch to the round harness ring for no sag and even weight distribution to the shoulder area.

BCA266 **Utility Pouch:** Pouch to hold stainless steel shears, knife or line cutter: This pouch is designed to fit on 2" webbing and can be mounted in a horizontal or vertical fashion.

BCA 269 **Weight Pouch:** This compact weight pouch (5" x 6") holds up to 5 lbs. of weight and can be mounted either vertically or horizontally.

BCA-270 **Compact Quick Dump Weight Pocket:** This integrated weight system consists of (2) matching pockets, incorporates No Sag™ features, an inner pouch that holds the weight and is secured by a 2" Quick Release buckle to prevent accidental dumping of weights. Holds up to 15 lbs. Measures 9"L x 5.25"H. Material is rugged 1600 Denier Nylon.

BCA-266





## POWER INFLATORS

**Item#**  
BCA-157

**Description**  
Power Inflator with angled mouthpiece



**Item#**  
BCA-156

**Description**  
Standard Power inflator



## BC EMERGENCY FIELD REPAIR KIT

**Item#**  
BCA-415B  
BCA-415R

**Description**  
Includes glue and patches to repair the urethane bladder and the outer nylon shell.



## CORRUGATED HOSES

| <b>Item#</b> | <b>Description</b>       |
|--------------|--------------------------|
| BCA013-H     | 13" Corrugated Hose only |
| BCA016-H     | 16" Corrugated Hose only |
| BCA019-H     | 19" Corrugated Hose only |



## BOOKSCREW

**Item#**  
BCA-BOOKSCREW

**Description**  
Attachment screw for BC's and Backpads

## REPLACEMENT CORD

**Item#**  
BCA-25DC

**Description**  
Dump Valve cordage (black) 25' package



## OMS® WEBBING

OMS® now offers 1" and 2" Nylon webbing for harness or weight belt fabrications.

|                         |   |
|-------------------------|---|
| <b>Item#</b><br>BCA-2HS | <b>Description</b><br>2" Nylon webbing, resin treated, high stiffness |
| <b>Item#</b><br>BCA-2MS | <b>Description</b><br>2" Nylon webbing medium stiffness               |
| <b>Item#</b><br>BCA-1SS | <b>Description</b><br>1" Nylon Webbing standard stiffness             |





# Regulators & OPRV

## OMS® WORKHORSE REGULATOR

The Workhorse™ unbalanced regulator has been the standard in SCUBA diving for years. Why? Its rugged, simplistic, dependable, low cost design lends itself for use as a primary, recreational, technical and DECO regulator. This 40% Nitrox ready regulator in fact was utilized by the National Park Service as a primary SCUBA regulator in its 190+ foot dive to the B-29 bomber in Lake Mead! The Workhorse™ now comes standard with (1) Black (installed) (1) Green (Oxygen) and (1) Yellow (Nitrox) cover. **Also available as an Octopus with a 40" hose.**



- |              |  |
|--------------|--|
| <b>Item#</b> | <b>Description:</b>  |
| R-236C       | Regulator with piston 1st stage, and non-adjustable 2nd stage with black, green and yellow covers. |
| R-242        | Workhorse Octopus with 40" hose.   |



### FIRST STAGE SPECIFICATIONS

| Item #                    | Description                             | Materials                                      | 40% Nitrox Service | Intermediate       | HP Ports | LP Ports | Lpm                  | Valve Interface |
|---------------------------|---|--|--------------------|--------------------|----------|----------|----------------------|-----------------|
| R-1STAGE-P<br>OR<br>R-251 | Unbalanced Piston<br>Balanced Diaphragm | Brass Stainless Steel<br>Brass/Stainless Steel | Yes<br>Yes         | 135 psi<br>140 psi | 1<br>2   | 3<br>4   | 1950 LPM<br>1950 LPM | 300 BAR DIN     |

### SECOND STAGE SPECIFICATIONS

| Item #              | Description                       | Materials                                  | 40% Nitrox Service | Venturi Assist | Performance      | Cover Color                 |
|---------------------|-----------------------------------|--|--------------------|----------------|------------------|-----------------------------|
| R-2STAGE-B<br>R-242 | Downstream<br>Octopus w/ 40" hose | Glass Filled Delrin<br>Glass Filled Delrin | Yes<br>Yes         | Yes<br>Yes     | Medium<br>Medium | Black*<br>Green*<br>Yellow* |

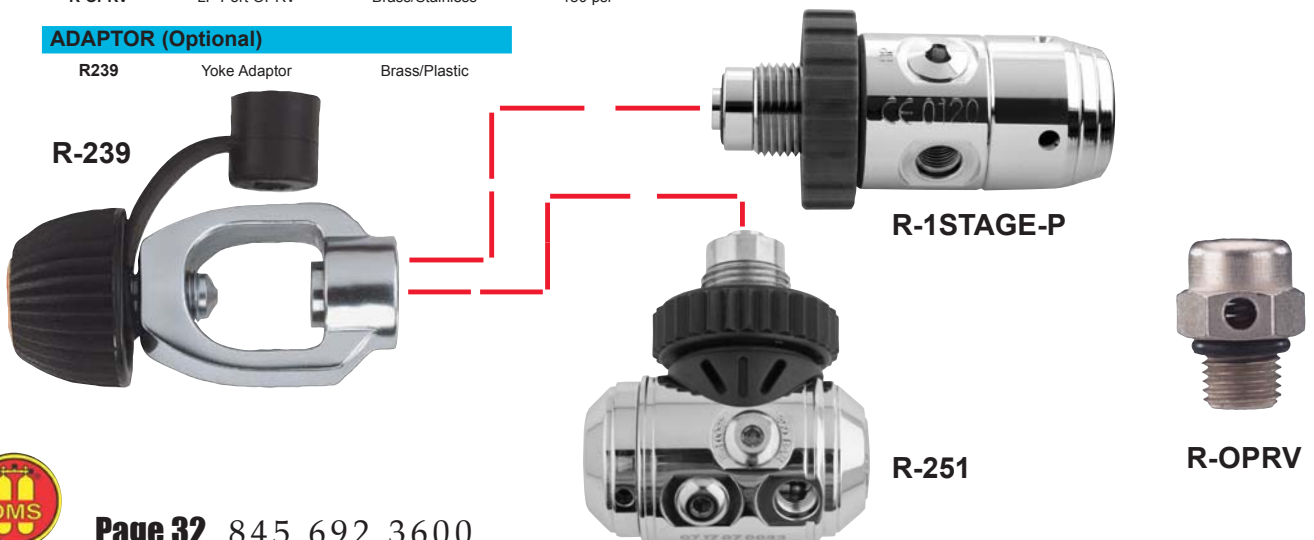
\*Item # R236 includes 1st and 2nd stage, hose and (3) colored covers

### OVERPRESSURIZATION RELIEF VALVE (Optional)

| Item # | Description  | Material        | Vent Pressure |
|--------|--------------|-----------------|---------------|
| R-OPRV | LP Port OPRV | Brass/Stainless | 180 psi       |

### ADAPTOR (Optional)

|      |              |               |
|------|--------------|---------------|
| R239 | Yoke Adaptor | Brass/Plastic |
|------|--------------|---------------|





## OMS® HIGH PERFORMANCE REGULATORS

The new OMS® R-250 (40% Nitrox ready) 2nd stage features an adjustment knob for increased air flow and a Venturi assist for excellent WOB (work of breathing). The 40% Nitrox ready first stage incorporates a balanced diaphragm design that offers high performance and is clearly the choice for cold and/or contaminated water. The first stage is designed for vertical or horizontal positioning and with the (2) HP and (4) LP ports, many hose configurations are possible. **Also available as an OCTOPUS with a 40" hose.**



**Item#**

**Description:**

R-250

Regulator with, balanced diaphragm 1st stage, adjustable 2nd stage and black, yellow and green covers



**FIRST STAGE SPECIFICATIONS**

| Item # | Description        | Materials             | O-Rings/ Grease  | IP      | HP Ports | LP Ports | Lpm @    | Valve Interface |
|--------|--------------------|-----------------------|------------------|---------|----------|----------|----------|-----------------|
| R-251  | Balanced Diaphragm | Brass Stainless Steel | Viton/ O2 Grease | 135 psi | 2        | 4        | 1950 LPM | 300 BAR DIN     |

**SECOND STAGE SPECIFICATIONS**

| Item # | Description           | Materials           | O-Rings/ Grease  | Venturi Assist | Performance | Cover Color |
|--------|-----------------------|---------------------|------------------|----------------|-------------|-------------|
| R249   | Adjustable Downstream | Glass Filled Delrin | Viton/ O2 Grease | Yes            | High        | Yellow      |
| R246   | OCTOPUS w/ 40" hose   |                     |                  |                |             | Green       |
|        |                       |                     |                  |                |             | Black       |

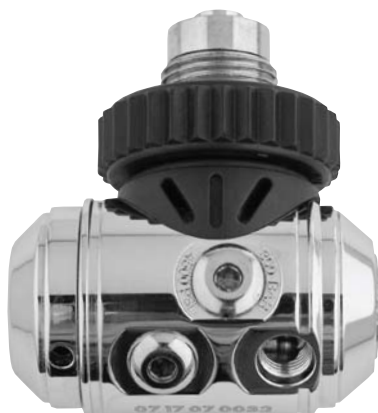
\*Item # R250 includes Hose, 1st stage, 2nd stage and 3 colored covers

**OVERPRESSURIZATION RELIEF VALVE for 1st stage LP port (Optional)**

| Item # | Description  | Material        | Vent Pressure |
|--------|--------------|-----------------|---------------|
| R-OPRV | LP Port OPRV | Brass/Stainless | 180 psi       |

**ADAPTOR (Optional)**

|      |              |               |
|------|--------------|---------------|
| R239 | Yoke Adaptor | Brass/Plastic |
|------|--------------|---------------|



**Item#**

**Description:**

R-251

Balanced diaphragm first stage



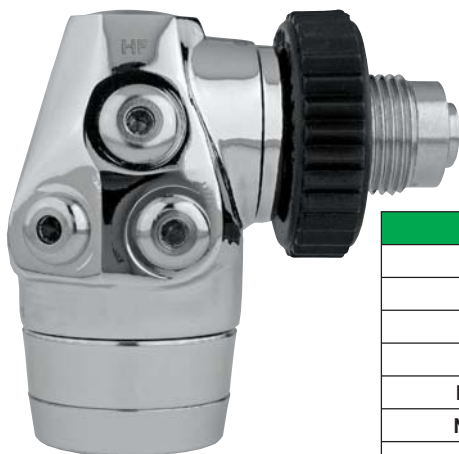


# Regulators

## OMS<sup>®</sup> DEEP PERFORMANCE REGULATORS

The new OMS<sup>®</sup> Deep Performance™ regulators (R-600 and R-601) recently underwent extensive testing using a certified ANSTI simulator to demonstrate that they perform as well or better than many technical regulators at depth. The performance of OMS<sup>®</sup> Deep Performance regulators were tested using both US NAVY and EN-250 test parameters. At the extreme with a 1200 psi supply pressure and the breathing simulator ramped up to 75 lpm, the OMS<sup>®</sup> regulators (R-600 and R-601) stayed well under the 2.0 J/L limit as they screamed past the 300 FSW mark until the chamber reached its max. depth of 329 FSW. At this depth the OMS<sup>®</sup> Deep Performance regulator was still delivering a breathing performance at a flat 2.0 J/L! \*Results of the testing showed that the R-600/601 regulators are highly recommended for overall work of breathing performance at depths to 329 FSW. At the Navy's maximum depth limit for open circuit SCUBA (198 FSW), these regulators are capable of performing at work rates (62.5 RMV) far above the Navy's minimum 22.5 RMV requirement. The R-601 tested with similar results.

**Second stage can be configured for use on divers right or divers left.**



| Item# | Description   |
|-------|---|
| R-600 | Deep Performance Regulator with Adjustment Knob and Venturi Control |

DEEP PERFORMANCE REGULATORS Item #'s R-600 and R-601

| First Stage Specifications    | Item # R-600               | Item # R-601               |
|-------------------------------|----------------------------|----------------------------|
| Design                        | Balanced Diaphragm         | Balanced Diaphragm         |
| Material                      | Brass/Stainless            | Brass/Stainless            |
| Environmental seal            | YES                        | NO                         |
| Hose configuration            | Fixed Ports                | Fixed Ports                |
| Number of Low Pressure Ports  | 4                          | 4                          |
| Number of High Pressure Ports | 2                          | 2                          |
| DIN to Yoke Adapter           | Included                   | Included                   |
| SECOND STAGE SPECIFICATIONS   | Item # R-600               | Item # R-601               |
| Design                        | Pneumatically Balanced     | Pneumatically Balanced     |
| Flow Adjustment               | Adjustable flow knob       | NO                         |
| Free flow control             | "NO FREE FLOW" purge cover | "NO FREE FLOW" purge cover |
| Venturi Control               | YES                        | YES                        |
| Regulator Body Material       | Glass filled thermoplastic | Glass filled thermoplastic |
| W.O.B.                        | W.O.B. < .9 J/L            | W.O.B. < .9 J/L            |
| Hose configuration            | Divers Left or Right       | Divers Right               |





## OMS<sup>®</sup> DEEP PERFORMANCE REGULATORS

The new OMS<sup>®</sup> Deep Performance™ regulators (R-600 and R-601) recently underwent extensive testing using a certified ANSTI simulator to demonstrate that they perform as well or better than many technical regulators at depth. The performance of OMS<sup>®</sup> Deep Performance regulators were tested using both US NAVY and EN-250 test parameters. At the extreme with a 1200 psi supply pressure and the breathing simulator ramped up to 75 lpm, the OMS<sup>®</sup> regulators (R-600 and R-601) stayed well under the 2.0 J/L limit as they screamed past the 300 FSW mark until the chamber reached its max. depth of 329 FSW. At this depth the OMS<sup>®</sup> Deep Performance regulator was still delivering a breathing performance at a flat 2.0 J/L! \*Results of the testing showed that the R-600/601 regulators are highly recommended for overall work of breathing performance at depths to 329 FSW. At the Navy's maximum depth limit for open circuit SCUBA (198 FSW), these regulators are capable of performing at work rates (62.5 RMV) far above the Navy's minimum 22.5 RMV requirement. The R-601 tested with similar results.



R-601

**Item#**      **Description:**  
R-251      Balanced diaphragm first stage

**Item#**      **Description**  
R-601      Deep Performance Regulator with Venturi Control, no adjustment knob

### DEEP PERFORMANCE REGULATORS Item #'s R-600 and R-601

| First Stage Specifications    | Item # R-600               | Item # R-601               |
|-------------------------------|----------------------------|----------------------------|
| Design                        | Balanced Diaphragm         | Balanced Diaphragm         |
| Material                      | Brass/Stainless            | Brass/Stainless            |
| Environmental seal            | YES                        | NO                         |
| Hose configuration            | Fixed Ports                | Fixed Ports                |
| Number of Low Pressure Ports  | 4                          | 4                          |
| Number of High Pressure Ports | 2                          | 2                          |
| DIN to Yoke Adapter           | Included                   | Included                   |
| SECOND STAGE SPECIFICATIONS   | Item # R-600               | Item # R-601               |
| Design                        | Pneumatically Balanced     | Pneumatically Balanced     |
| Flow Adjustment               | Adjustable flow knob       | NO                         |
| Free flow control             | "NO FREE FLOW" purge cover | "NO FREE FLOW" purge cover |
| Venturi Control               | YES                        | YES                        |
| Regulator Body Material       | Glass filled thermoplastic | Glass filled thermoplastic |
| W.O.B.                        | W.O.B. < .9 J/L            | W.O.B. < .9 J/L            |
| Hose configuration            | Divers Left or Right       | Divers Right               |







# Regulator Accessories

## OMS® SILICONE NECKLACE

The trouble with most Silicone necklaces on the market is that they just don't fit properly over the 2nd stage regulator mouthpiece. Hit the second stage and it drops out of the necklace defeating the whole purpose of the necklace to begin with.

The OMS® platinum cured silicone necklace has been engineered with a higher durometer to better hold the regulator mouthpiece and prevent breaking or tear failures.

This rugged necklace comes in 2 sizes: Primary (short 7.5" O.D.) and Secondary (longer 9.0" O.D.)



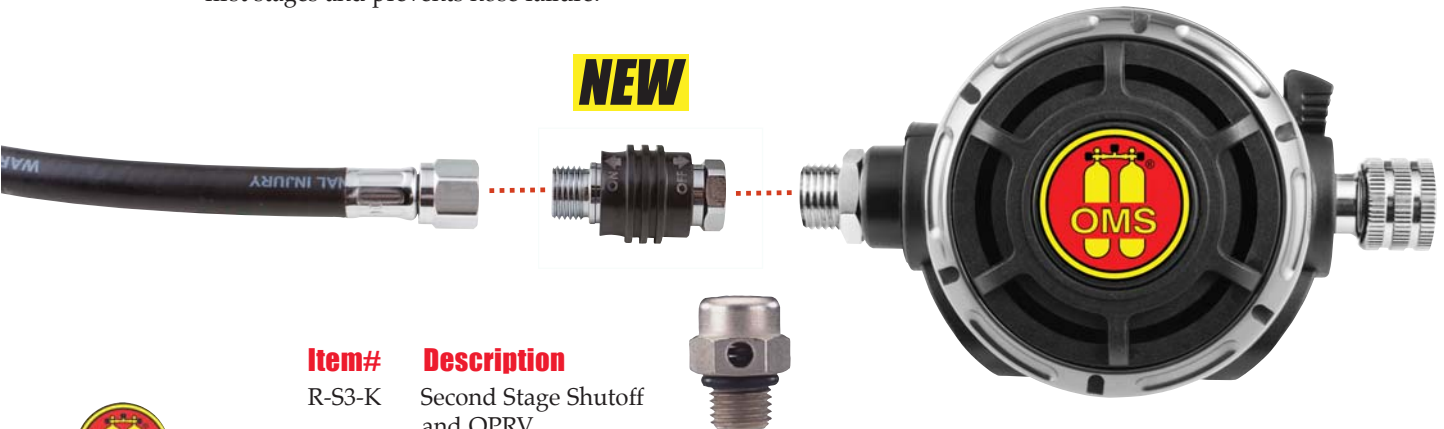
| Item# | Description      |
|-------|------------------|
| R-PY  | Primary Yellow   |
| R-PB  | Primary Black    |
| R-SY  | Secondary Yellow |
| R-SB  | Secondary Black  |

## OMS® SECOND STAGE SHUTOFF AND OPRV (S3)

The S3 when combined with the R-OPRV (sold as a kit only) is a major component in bringing 2nd stage free flows under control.

The diver by actuating the black slide on the S3 can positively shutoff a free flowing 2nd stage and continue to dive switching to the redundant regulator (on a set of doubles) or an alternate air source. The R-OPRV is installed in one of the LP ports in the first stage, is mandatory as it vents excess pressure buildup between the second and first stages and prevents hose failure.

**NEW**



| Item#  | Description                   |
|--------|-------------------------------|
| R-S3-K | Second Stage Shutoff and OPRV |



R-OPRV





## SUBMERSIBLE PRESSURE GAUGES (SPG)-OXYGEN CLEAN

While other manufacturers use scratch prone plastic lenses and distortion prone plastic cases OMS® uses only scratch resistant tempered glass lenses (G-BU utilizes a plastic lens) and non distorting brass cases. All gauges use high precision Bourdon tube technology. The G-BU provides for a quick reading of your cylinder pressure and screws into the HP port of your regulator.

WARNING: All OMS® Brass Glass SPG's while robust, are precision instruments and designed to be used with the protective plastic boot (included). Failure to use this boot can result in catastrophic impact damage to the case causing Bourdon tube assembly and tempered glass lens failure. This damage is not covered under OMS® warranty.

| Item#       | Description   |
|-------------|---|
| G-240       | BAR/PSI SPG (63mm O.D.) with plastic boot, 32" hose                           |
| G-240-SM-BP | BAR/PSI SPG (52mm O.D.) with plastic boot, 32" hose                           |
| G-240-SM    | PSI SPG (52mm O.D.) with plastic boot, 32" hose                               |
| G-240-S-BAR | BAR SPG (52mm O.D.) with plastic boot, 32" hose                               |
| G-BU        | PSI SPG (26.92mm O.D. X 30.46mm L) screws into HP port of regulator 1st stage |



G-240-SM



G-240-S-BAR



G-240-SM-BP



G-240

**NEW!**



G-BU



SPG Boot  
(Not for use with G-BU)





# Hoses & Adapters

## OMS® OXYGEN COMPATIBLE HOSES AND ADAPTERS

OMS® offers high quality low pressure hoses in green, yellow, and black. High pressure and BC inflator hoses are offered in black. All hoses are constructed from oxygen compatible materials, guaranteed not to delaminate, remain flexible in cold water, and are available in custom lengths.

### Adapters:

#### High Pressure:

**HS-AD3-4:** Converts first stage outlet from 3/8" x 24 to 7/16" x 20

**HS-AD4-3:** Converts first stage outlet from 7/16" x 20 to 3/8" x 24

**HS-ADB4-4:** Converts 7/16" x 20 to 7/16" x 20

#### Low Pressure:

**HS-AD5-3:** Converts first stage outlet from 1/2" x 20 to 3/8" x 24

**HS-AD3-5:** Converts first stage outlet from 3/8" x 24 to 1/2" x 20

**HS-AD6-3:** Adapter converts a 9/16" x 18 hose to Standard 3/8" x 24 LP hose

**HS-ADQD:** Quick disconnect

**HS-AD-3P:** LP adapter converts (1) LP port into (3) LP ports.

**HS-AD-SWIVEL:** Allows 2nd stage to swivel. Attaches to LP hose and 2nd stage.

**HS-AD-07:** Regulator 2nd Stage 120° Swivel to LP hose

**HS-AD-05:** Regulator 2nd Stage 90° Swivel to LP hose

**HS-AD-02:** Regulator 2nd Stage shutoff to LP hose

HS-ADB4-4



HS-AD4-3



HS-AD-SWIVEL



HS-ADQD



HS-AD6-3



HS-AD-3P



HS-AD5-3



HS-AD3-5



HS-AD3-4



HS-AD-07



HS-AD-05



HS-AD-02





## OMS® REGULATOR BAG

Outer fabric is 600 denier polyester, padded with closed-cell polyethylene foam and the inside of the bag is lined with 70 denier polyester. The outside of the bag features a full wrap around, non-corrosive zipper to gain access to the inside that includes a zippered document pocket for tables, etc. A heavy duty wrap around web carrying handle is standard. An additional internal compartment has a padded pocket designed to hold SPG's, computers and multiple regulators. Dimensions: 17" length x 15" width x 6" high. Color: Black

| Item#    | Description         |
|----------|---------------------|
| A-REGBAG | Black Regulator Bag |



## OMS® COMPACT REGULATOR BAG

OMS® now offers a compact padded regulator bag for stowage of your regulator or Phantom™ dive light. Bag has a convenient carrying strap and measures: 10"L x 8.5" W x 5" deep.

| Item#     | Description               |
|-----------|---------------------------|
| A-REDRBAG | Compact Red Regulator Bag |



## OMS® COMPACT WEIGHT BAG

The OMS® Compact Weight Bag is constructed from PU backed 1200 denier Cordura, is rugged enough to carry your solid and shot lead weights, and is ideal for carrying those items that you need to immediately "lay your hand on". Measures: 12.5"L x 7" W x 5.5" H

| Item#   | Description              |
|---------|--------------------------|
| BCA-272 | Black Compact Weight Bag |





# OMS® Bags



## OMS® MESH GEAR BAG

We all know how bad moist or wet dive gear can smell when stowed in a watertight bag. The OMS® mesh gear bag was designed to help prevent fungal and bacterial blooms, and subsequent odor, by allowing ventilation.

It is constructed from rugged 1000 denier mesh and coated with UV resistant PVC. Bag can be used knapsack style, carried with the single handle or slung over the shoulder; single strap style.

Measures 24" long x 16" wide x 12" high.  
Color: black

### Item#

A-MESHB

### Description

Mesh Bag

## OMS® DRY BAG NEW

The OMS® fold down dry bag is constructed from a new 1000 denier PVC material for years of service. This larger bag is generously sized and measures approximately 33"L x 14" Diameter, Weight 3.7 lbs. and is ideal for stowing gear that you do not want to get wet.

### Item#

A-273

### Description

Dry bag, 33"L x 14" Diameter,  
Weight 3.7 lbs, Black





## OMS® GEAR BAG/KNAPSACK

The OMS® Gear bag can be carried with the conventional handle or utilized as a knapsack. This bag uses same rugged 1000 denier laminate material as the DRY BAG. It measures approximately 31"L x 15"W x 21"H. Color: Black

### Item#

A-274

### Description

Gear Bag/ Knapsack



## OMS® Wide Mouth™ BAG

This 15"x 15"x 30" dry bag is constructed from rugged 1680 denier nylon ballistic material, wears the OMS® logo and is suitable for keeping your dry suit underwear, as well as other articles, dry. OMS® tested this bag under the most adverse conditions: the Newark, New Jersey and Los Angeles baggage transport systems...and it passed with flying colors!

### Item#

A-277

### Description

Black Dry Bag





# Reels

## SAFETY REELS AND FINGER SPOOLS UNCONDITIONALLY

### WARRANTED FOR LIFE!\*

OMS® offers (5) compact finger spools with 50', 65', 75', 100' and 165' lengths (Fig. 1). All framed reels (Figures 3 and 4) incorporate a removable, red anti-fouling nest that prevents line reel jams (bird nesting). Spools are constructed from glass reinforced Nylon (finger spools ABS) and are warranted for life!\* The ergonomically designed winding knob prevents hand fatigue and the flat profile lock down nut assembly (Fig. 5) has been re-engineered to make better contact with the spool edge. Electropolished stainless steel frames incorporate a TIG welded stainless 5/16" spool bolt for unsurpassed strength! Framed reels as well as the Finger Spools are engineered for cold water glove and bare hand use.

| Specifications:  | Finger  | Finger  | Finger  | Finger | Finger |
|------------------|---------|---------|---------|--------|--------|
| Item #           | RL50    | RL65    | RL75    | RL100  | RL165  |
| Spool O.D.       | 3.00"   | 3.00"   | 3.00"   | 3.00"  | 3.00"  |
| Spool Width I.D. | 1.06"   | 1.08"   | 1.29"   | 1.45"  | 1.75"  |
| Line Material    | Nylon   | Nylon   | Nylon   | Nylon  | Nylon  |
| Line Diameter    | .07"    | .07"    | .07"    | .07"   | .07"   |
| Line Length      | 50'     | 65'     | 75'     | 100'   | 165'   |
| Tensile Strength | 200 lb. | 200 lb. | 200 lb. | 200lb. | 200lb. |



Fig.1

\*Plastic parts of all reels are unconditionally warranted for life



# Reels



| Specifications:  | Jump    | Cavern   | Primary* | UPLINE   |
|------------------|---------|----------|----------|----------|
| Item #           | RL227-A | RL 228-A | RL 229-A | RL 230-A |
| Spool O.D.       | 3.50"   | 3.50"    | 4.50"    | 4.50"    |
| Spool Width I.D. | 1.0"    | 1.5"     | 2.25"    | 2.25"    |
| Line Material    | Nylon   | Nylon    | Nylon    | Kevlar   |
| Line Diameter    | .07"    | .07"     | .09"     | .045"    |
| Line Length      | 125'    | 200'     | 330'     | 702'     |
| Tensile Strength | 200 lb. | 200 lb.  | 300 lb.  | 325 lb.  |

Fig. 3

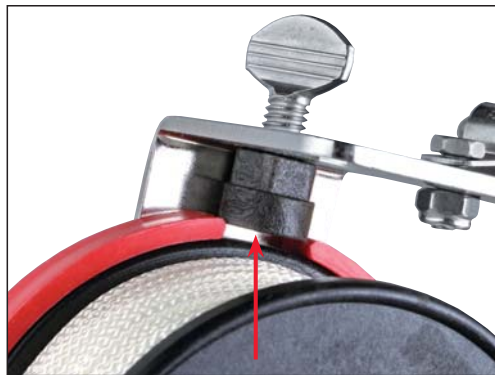


Fig. 5

Fig. 4







# Emergency Cutting Tools

## KNIFE

The OMS® pure Titanium knife has a high visibility, easy to grip orange handle (4" long), incorporates a sharp 3.25" serrated and standard cutting blade, requires absolutely no corrosion maintenance, is very light weight and non magnetic. The slots located in the high impact plastic sheath can be utilized for mounting on webbing.

This knife is the ideal solution for Special Ops where a non-magnetic cutting tool is mandatory.



**Item#** A-KNI-1  
**Description** Titanium Knife with High Impact plastic sheath



**Item#** A-KNI-SS  
**Description** This 300 series stainless steel knife, is sharp enough to shave with, has a 3.25" serrated blade and 4" long high visibility orange handle. The Delrin sheath has a friction hold, a positive handle inter lock and can be mounted on 2" or 1/2" webbing.



**Item#** A-KNI-WT  
**Description** 300 series stainless steel knife with sharpened blade, serrated area and line cutter Blade: 2.04 "L Handle: 3.41"L



# Emergency Cutting Tools



## COLD WATER LINE AND CABLE CUTTER

OMS® packaging clearly identifies this easy to grip, 8" long handled cable cutter. This emergency cutter is specially designed to be easy to grip with cold water gloves and mitts, can cut through nasty Spyder Wire, 14/3 electrical cable, and is supplied with a total of (3) blades: 2 stainless and one demo carbon installed in the cutter. This Tool has a mounting hole in the handle for securing to your pouch or can be inserted into the optional BCA 266 tool pouch (pouch mounts in either a vertical or horizontal position).



| Item#  | Description  |
|--------|--|
| A-LCUT | Cold Water Line Cutter with stainless steel blades |



## OMS® EMERGENCY CUTTING SHEAR

This shear is designed to quickly get you out of nasty entanglements such as cut resistant fishing line, wire and electrical cable that may be difficult to cut with a knife. Incorporates a positive locking mechanism and blades crafted from 300 series stainless steel.

| Item# | Description              |
|-------|--------------------------|
| A-194 | Emergency Cutting Shears |

## COMPACT TITANIUM LINE CUTTER

The OMS® Compact Line cutter measures 4.87" in overall length, incorporates a sharp serrated and standard cutting edge and is fabricated from pure non-magnetic Titanium. The supplied pouch allows mounting in a horizontal or vertical position. There is also a mounting hole in the handle that enables the user to tether the cutter to a pouch or harness. The Titanium compact line cutter is a logical selection when low maintenance as well as non magnetic properties are required.



| Item#   | Description                             |
|---------|---|
| A-TICUT | Compact Titanium Line Cutter with pouch |





# Fins

The new OMS® RANS™ fin utilizes Monoprene and advanced thermoplastic resins. It is engineered with a longer straight blade, reinforced outer fin rails, and an advanced middle “scoop” that result in a superior hydrodynamic design. This fin has the power, acceleration and maneuverability of a split fin but has the advantage of the diver being able to use various kick styles including but not limited to the frog and backward kicks. Comes standard with monoprene heel strap and spring heel strap as an option.

**NEW**

**Item#**

F-RANS

**Description**

RANS™ Fin in Black  
Specify Size: S/M, L/XL,  
XL/XXL





**NEW**

The new OMS® SCALAR™ fin utilizes Monoprene and advanced thermoplastic resins. It is engineered with a longer angled blade that points downward, reinforced outer fin rails, and an advanced middle “scoop” that result in a superior hydrodynamic design. This fin has the power, acceleration and maneuverability of a split fin but has the advantage of the diver being able to use various kick styles including but not limited to the frog and backward kicks. Comes standard with monoprene heel strap and spring heel strap as an option.

| Item#    | Description  |
|----------|--|
| F-SCALAR | SCALAR™ Fin in Black or Black/Red<br>Specify Size: S/M, L/XL, XL/XXL |





# Fins

## SLIPSTREAM™ FINS

A fin so revolutionary that the U.S. Navy cut their swim time by 1 minute on a 500 Meter Swim! This proven fin design is manufactured from a lightweight, neutrally buoyant Monoprene resin that results in better trim positioning with maximum thrust on the down kick and minimal resistance on the up kick.



Shown with optional spring heel strap



### Item#

F-STREAM L  
 F-STREAM XL  
 F-STREAM XXL

### Description

L Slipstream™ Fin  
 XL Slipstream™ Fin  
 XXL Slipstream™ Fin





## OMS® Spring Heel Fin Strap

One size does not fit all. Did you know that One Size fits all Spring Heel Straps may cause excessive coil expansion when used on a larger boot and extreme discomfort to your heel? This excessive coil expansion can facilitate line entanglement in between the expanded coils!

OMS® Spring heel straps come in sizes S, M, L, XL and XXL to insure proper fit and help eliminate excessive coil expansion and entanglements! The springs expand and contract to automatically adjust and compensate for expansion and compression of the divers boot. The thick 4.5" Achilles rubber pad provides unprecedented comfort in the heel area, prevents heel discomfort and aids in donning and doffing of the fin.

The FT series is designed to fit most fins that utilize a plastic quick release buckle including the new OMS® SCALAR™, and RANS™ fins.



| Item#    | Description         |
|----------|---------------------|
| FT-1-S   | Small Heel Strap    |
| FT-1-M   | Medium Heel Strap   |
| FT-1-L   | Large Heel Strap    |
| FT-1-XL  | X-Large Heel Strap  |
| FT-1-XXL | XX-Large Heel Strap |

The FS series is designed to fit OMS® Slipstream® and most fins with a standard "Wire" point of attachment.



| Item#    | Description         |
|----------|---------------------|
| FS-1-S   | Small Heel Strap    |
| FS-1-M   | Medium Heel Strap   |
| FS-1-L   | Large Heel Strap    |
| FS-1-XL  | X-Large Heel Strap  |
| PS-1-XXL | XX-Large Heel Strap |





# Masks

## ICU™ MASKS

These highly engineered ICU™ masks have the following features: Fits most face types, tempered lenses, feather edge seal skirt, ear equalizing nose pocket, adjustable split head strap with no slip buckles, black frame with secure lens retainers and a black Silicone skirt.

### Features:

- Unparalleled durability and resistance to breakage
- Optical quality lenses
- Hydrodynamic styling with no exposed external frame
- Wide vision and low volume
- Fits most face types
- Easy buckle adjustment
- Black silicone rubber skirt and frame with co-molded accent colors

M-ICU-BBK



M-ICU-BLU



M-ICU-R

| Item#     | Description  |
|-----------|--|
| M-ICU-BBK | Mask with black frame black bezel and black Silicone skirt |
| M-ICU-BLU | Mask with black frame blue bezel and black Silicone skirt  |
| M-ICU-R   | Mask with black frame red bezel and black Silicone skirt   |





## ICU™ MASKS

Fit and field of vision are the most important considerations when selecting a mask. The OMS® ICU™ line of masks has been designed to fit most faces and fit them superbly. Most divers will find that if they tilt their head back and place any of the OMS® ICU™ masks on their face that the weight of the mask, when gently inhaling through the nose, will allow a perfect seal. After you try on your mask determine your field of vision by locating an object from the peripheral areas of the mask. You will find that the ICU™ masks are superbly engineered to provide the necessary field of vision to read your gauges, and locate essential equipment.

The ICU™ masks have the following features: Fits most face types, tempered lenses, feather edge seal skirt, ear equalizing nose pocket, adjustable split head strap with no slip buckles, black or clear frame with secure lens retainers and the choice of a black or clear Silicone skirt. For those that prefer an even greater field of vision try the ICU™ WIDE EYES™ with clear Silicone skirt.

Optional corrective lenses are available from -1.0 through -9.0 diopter in .5 diopter increments.

M-ICU-B



M-ICU-C



M-ICU-W



### Item#

### Description

|         |  |
|---------|--|
| M-ICU-B | Mask with black frame and black Silicone graphite skirt        |
| M-ICU-C | Mask with clear frame and clear Silicone skirt                 |
| M-ICU-W | WIDE EYES™ Mask with clear frame, clear Silicone skirt         |
| M-ICU-L | Optical lenses: -5.0 to -9.0 for M-ICU-C, -1.0—3.0 for M-ICU-B |







# Masks



The REDMAX™ incorporates a dual glass tempered lens system designed for maximum visibility and low volume for ease of clearing. Unique swivel buckles are fixed to the frame to prevent accidental separation of the mask from the strap. REDMAX™ is engineered with push button activation on each side of the mask for ease of strap adjustment even when wearing gloves. The Black mask skirt is made from Hypo-allergenic, high-grade silicone that fits a wide variety of faces.

### Item#

M-ICU-REDM

### Description

REDMAX™ Mask with Red/Black frame and Black Silicone Skirt  
Not available with clear skirt.



The BLUICE™ incorporates a tempered dual glass lens system designed for maximum visibility and low volume for ease of clearing. Unique swivel buckles are fixed to the frame to prevent accidental separation of the mask body from the strap. The Black mask skirt is made from Hypo-allergenic; high-grade silicone that fits a wide variety of faces.

### Item#

M-ICU-ICE

### Description

BLUICE™ Mask with Blue frame and Black Silicone Skirt  
Not available with clear skirt.



The new OMS® MONO mask features a large single glass (tempered) lens for unprecedented field of vision and unobstructed view. Unique swivel buckles are fixed to the frame to prevent accidental separation of the mask body from the strap. The Black low volume mask body is made from Hypo-allergenic, high-grade Silicone that fits a wide variety of faces.

### Item#

M-ICU-BMO

### Description

MONO™ Mask with single lens and Black Silicone Skirt  
Not available with clear skirt.



# Snorkel



OMS® is pleased to introduce an easy to clean snorkel intended for PSD and recreational diving. Hypoallergenic Silicone is used in the mouthpiece area.

**NEW**



**Item#**

SNK-B

**Description**

Black Snorkel with Neon Orange top band

To provide the driest breathing possible, OMS® uses a baffling and lower valve system in the new Recreational Snorkel. If water enters the top of the snorkel, the upper, baffled clear piece directs most of the water out before it reaches the mouthpiece. Water that does get past these baffles is designed to drain into the reservoir located below the mouthpiece and then out of the lower mushroom valve. The mushroom valve is protected by a plastic baffle cover to prevent damage and accidental dislodgement (see Fig. 1). (Green color shown for contrast only)

**NEW**



Fig. 1

**Item#**

SNK-BB

**Description**

Black recreational Snorkel with top baffle and lower drain valve





# Wetsuit

## OMS® BIKINI™ WETSUIT

The OMS® Bikini™ wetsuit is offered in 3.5 mm and 5.0 mm thicknesses and has been engineered based on thousands of evaluation dives conducted at Bikini Atoll, Palau and Truk Lagoon. A tremendous amount of input was given by Fabio Ameral who headed up the Bikini Atoll operation for a number of years.

The rugged external neoprene protects the diver against accidental encounters with those nasty stinging hydroids and sharp coral. The tailored fit with 3.5 mm and 5.0 mm thicknesses is ideal and keeps you warm; especially at the end of your dive.

The OMS® Easy On/ Easy Off™ plush interior makes suiting up and taking the suit off a pleasure, not a chore.

| Item# | Description                     |
|-------|---------------------------------|
| WS-1  | 3.5 mm OMS® Bikini Wetsuit L/XL |
| WS2-L | 5.0 mm OMS® Bikini Wetsuit L/XL |
| WS2-M | 5.0 mm OMS® Bikini Wetsuit M/L  |

## WETSUIT BOOT

The new OMS® wetsuit boot has a molded outsole and flexible thermoplastic toe/heel guards that provide excellent protection from abrasion caused by stiff fin foot pockets and straps.

| Item# | Description   |
|-------|---|
| WS-B  | Black Neoprene 5mm boot with Zipper (Men's shoe size: 8-13) |

**NEW**



# Drysuit Accessories



## OMS® GAITER

**NEW**

**NEW!** OMS® Gaiters provide dry suit divers with added safety preventing excess gas accumulating in the leg and foot area therefore minimizing the potential for inversion. This easy to adjust and comfortable dry suit accessory offers increased safety, and also reduced drag by limiting airflow to your feet.

Cordura construction coupled with super grip double Velcro Gator Closures make these OMS® Gaiters extremely rugged and functional. Wreck, Cave and technical divers will find these newly designed Gaiters a welcome accessory.

Available in adjustable 12-inch, 14-inch, and 16-inch calf sizes; Gator Wraps stretch to accommodate most divers.



| <b>Item#</b> | <b>Description</b> |
|--------------|--------------------|
|--------------|--------------------|

|         |                        |
|---------|------------------------|
| X-LG-SM | Small Gaiter (1 pair)  |
| X-LG-MD | Medium Gaiter (1 pair) |
| X-LG-LG | Large Gaiter (1 pair)  |

## OMS® DRY SUIT INFLATION SYSTEM

Includes a DIN 1st Stage regulator equipped with a compact pressure gauge (G-BU) and an Over Pressurization Relief Valve (OPRV) with a cracking pressure of 300 psi (20.6 bar) and inflator hose (HS-BC22)



R-OPRV





# Gloves

## OMS<sup>®</sup> DRY GLOVES

Gloves are manufactured with a rugged Latex/Silicone and are 1.20mm thick. They are very flexible, with textured fingers and palms for positive holding and gripping. The fingers are engineered to enhance dexterity while wearing thermal liners.

**NEW**



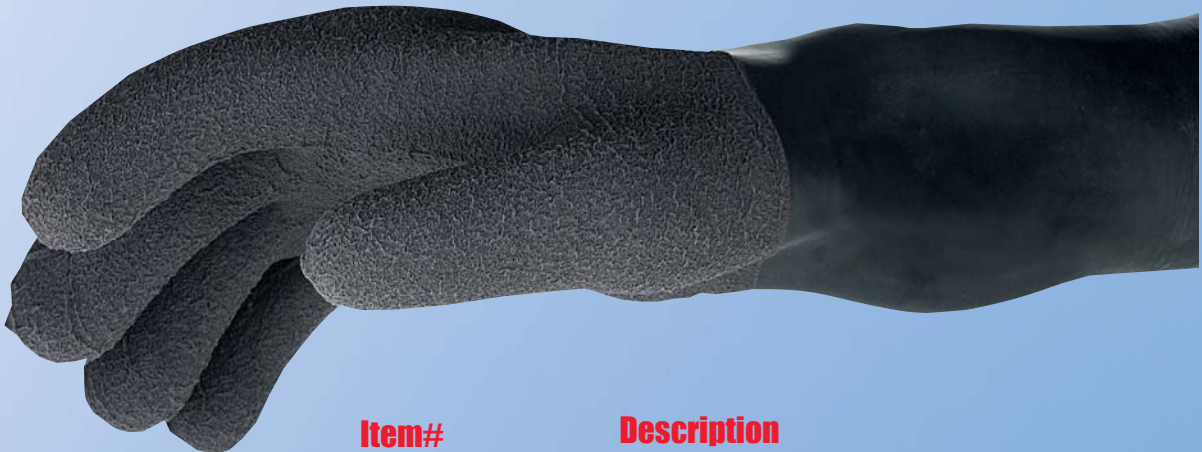
### Item#

X-DG-STC-

### Description

HD stretch Dry Gloves with straight cuff (use with Quick Clamps or Factory Installed Cuff Rings). Includes thermal liner.  
Specify Size: M, L, XL

**NEW**



### Item#

X-DGCS-

### Description

HD stretch Dry Gloves with Cone seal (fits over existing dry suit seal), includes thermal liner.  
Specify Size: M, L, XL





## ERGO-GLOVE™

This 5 mm thick glove with Kevlar Palm is resistant to abrasion, has a comfortable curved palm and is warm. Superior protection for warm to moderately cold water diving.

**NEW**



### Item#

### Description

X-ERGO-

5mm Kevlar Palm glove with Velcro® Cuff closure. Specify Size: L, XL

## THE ULTIMATE DRY SUIT GLOVE™

Unlike equalized Dry Gloves that can develop uncomfortable leaks that can travel up your arm the OMS® Ultimate Dry Glove can accept a small amount of pre-heat hot water to maintain the hands warmth with its' unique 5mm wrist seal. This seal and your dry suit wrist seal is protected by a separate 5mm PVC zippered gauntlet. The 5mm coated Kevlar palm is extremely abrasion resistant.

**NEW**



**NEW:** Redesigned with shorter cuff.

### Item#

### Description

X-GLOVE-

5 mm Zippered Gauntlet Glove with Kevlar Palm. Specify Size: M, L, XL





# Accessories



## THE ULTIMATE DIVE SLATE

Why buy a dive slate made with break prone materials like cheap plastic pencils, plastic swivel snaps, thin plastic pages and UV susceptible latex tubing when you can purchase the OMS® dive slate? The 5" long x 3.5" wide slate is manufactured from virgin, break resistant heavy duty .035" thick LDPE, contains (6) pages and a heavy duty swivel snap with .27" O.D. Silicone tubing affixed to a solid Graphite Pencil. Clearly superior in every respect.

| Item# | Description |
|-------|-------------|
|-------|-------------|

|         |                                     |
|---------|-------------------------------------|
| A-SLATE | OMS® 5" long x 3.5" wide Dive Slate |
|---------|-------------------------------------|



## WRIST SLATE

The OMS® PVC wrist slate incorporates (3) writing surfaces. The base that curves around your wrist has (2) attached leaves that easily flip up for multiple writing surfaces. An elastic cord affixed to the solid graphite pencil prevents accidental loss, and a special clip system stows the graphite pencil. The elastic cords secure the slate and conform to the wrist area on your exposure suit.

| Item# | Description |
|-------|-------------|
|-------|-------------|

|          |             |
|----------|-------------|
| A-WSLATE | Wrist Slate |
|----------|-------------|

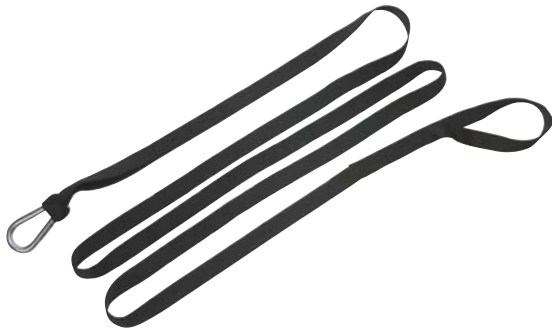


## OMS® GREASE

| Item# | Description |
|-------|-------------|
|-------|-------------|

|      |                               |
|------|-------------------------------|
| A007 | OMS® Oxygen Compatible grease |
|------|-------------------------------|





## JON LINE

This 10' Jon line is constructed from special high tensile, abrasion resistant "tubular" nylon webbing and will keep you away from the "crowd" at the 10' to 20' deco stops. A stainless steel carabineer is added on one end for "clip on" to your harness, allowing hands free operation.

| Item# | Description |
|-------|-------------|
|-------|-------------|

|      |              |
|------|--------------|
| A196 | 10' Jon Line |
|------|--------------|



## JON LINE

This new OMS® Jon line comes in an 8' length and is constructed from special high tensile, abrasion resistant nylon webbing, has a loop at one end, a Stainless Steel 3.5" Swivel Snap at the other end, and is integrated into a special easy to deploy, easy to stow Velcro pouch.

| Item# | Description |
|-------|-------------|
|-------|-------------|

|      |  |
|------|--|
| A197 | Jon Line with Integrated Pouch and SS Snap 8' long |
|------|--|



## LINE ARROWS

OMS® high visibility Line Arrows help point the way to the closest exit. Unconditionally warranted for life against breakage. Available in two lengths: 2.63" and 3.40".

| Item# | Description |
|-------|-------------|
|-------|-------------|

|       |                                  |
|-------|----------------------------------|
| A-LAS | 2.63" High visibility line arrow |
|-------|----------------------------------|

|       |                                  |
|-------|----------------------------------|
| A-LAL | 3.40" High visibility line arrow |
|-------|----------------------------------|







# Accessories

**NEW**



## OMS® EMERGENCY SIGNALING MIRROR

The OMS® EMERGENCY SIGNALING MIRROR has a silver mirror reflective surface on both sides and is to be used as a daytime or night time signaling mirror. During the day the mirror reflects the sun's rays to alert an emergency aircraft or ship. At night a light can be reflected off of the mirror for signaling. Material: Shatterproof and waterproof bonded polycarbonate. Measures: 82 mm L x 57 mm W x 5 mm Thick and has a mounting hole for a lanyard.

| Item#  | Description                                      |
|--------|--|
| SD-MIR | Emergency Signaling mirror with Protective Pouch |



## WATER PROOF CONTAINER

The OMS® water proof container measures 5.35" l x .83" I.D. and is water proof to 330 fsw. Suggested stowage uses are: a. Money b. Medication c. Small flares d. Radar reflective blankets etc.

| Item#  | Description           |
|--------|-----------------------|
| BCA299 | Water Proof Container |



## DYE MARKER

The OMS® Dye marker is packaged in a water proof container rated to 330' FSW, provides a highly visible fluorescent, environmentally friendly "dye slick" that lasts for 30 minutes and enables aircraft to quickly locate the lost diver. This "slick" can be seen for a mile or more. Current, wind and wave action will affect the shape and duration of the pattern. Meets MIL-SPEC: MIL-S-17890D.

| Item#  | Description |
|--------|-------------|
| SD-DYE | Dye Marker  |



# Flotation Devices



## FLOTATION DEVICES

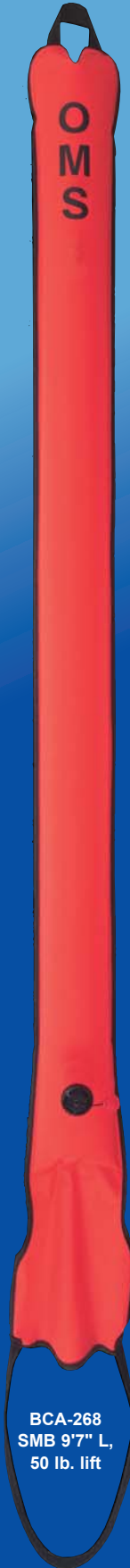
OMS® offers six flotation units with manual dump valves and unique “non-air spill” openings that prevent your SMB or lift bag from dumping air or taking on water when it hits the surface. The compact 50 lb. lift bag is perfect for those smaller jobs. All SMB's and Lift bags have a point of attachment for a slate.



BCA-255  
SMB 5'2" L  
30 lb. lift



BCA-255E  
SMB 5'2" L  
30 lb. lift



BCA-268  
SMB 9'7" L,  
50 lb. lift



**NEW**

BCA 268-16  
16' SMB/Float with Solas  
Reflective Tape and Oral  
inflater



BCA-262-50  
LIFT BAG, 30" L,  
50 lb. lift



BCA-262  
LIFT BAG  
4'5" L, 125 lb. lift





# Drysuit Accessories

## AUTOMATIC COMPACT PEE VALVE

Big and heavy Pee valves can tear the cells on neoprene dry suits according to one of the leading dry suit manufacturers. The OMS® Delrin Compact Pee Valve is easy to install, completely equalized, inert to the corrosive effects of urine, automatic, and prevents damage to neoprene and trilaminate dry suits with its light weight.

|              |   |
|--------------|---|
| <b>Item#</b> | <b>Description:</b>   |
| X-PEE-KD     | Automatic Delrin Pee Valve with tube, O-Rings, gaskets and instructions |



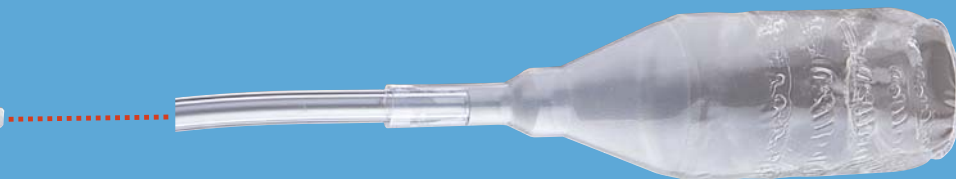
## URINARY COLLECTION DEVICES FOR WOMEN and MEN

OMS® is pleased to introduce the first sterile urinary collection device for women. Unlike the competitors product this single use glue on system is gamma sterilized, prevents urinary infections and is offered at 1/10 the cost. The men's sterile, "glue-on" condom catheter is now available in different comfort diameters and made from hypo allergenic Silicone. Both collection devices when used with the OMS® automatic Pee Valve (X-PEE-KD), allow a fully hydrated diver to urinate as often as necessary and dump the urine outboard of the dry suit automatically.

**NEW**



|              |  |
|--------------|--|
| <b>Item#</b> | <b>Description</b>   |
| X-PEE-DF     | Female Urinary collection System includes: Sterile Female Urinary Collection device and Automatic Pee Valve (X-PEE-KD) |



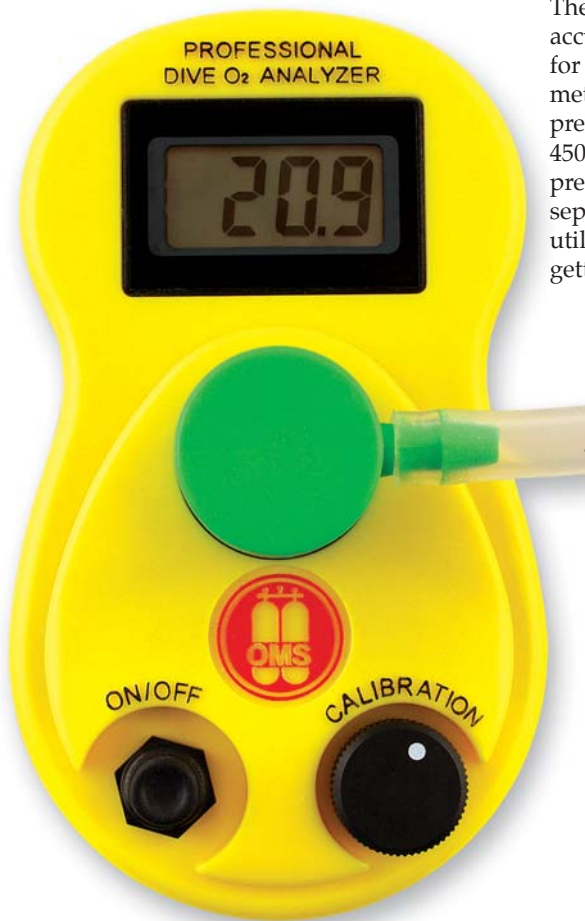
|              |  |
|--------------|--|
| <b>Item#</b> | <b>Description</b>   |
| X-PEE-DM-    | Male Condom Urinary collection System includes: Sterile Male Condom Catheter and Automatic Pee Valve (X-PEE-KD). Specify Size: S (25mm), M (29mm), L (32mm), XL (36mm), XXL (41mm) |



# Professional Dive Oxygen Analyzer



## OX-AN



The OMS® Professional Dive Oxygen Analyzer is perhaps the most accurate analyzer in the world:  $\pm 0.05\%$  full scale, and is CE approved for Medical, Industrial and Marine use. A new precision 2-3 lpm flow meter that incorporates a precision ruby orifice and submicron filter to prevent clogging, is attached to an OMS® first stage regulator, is rated to 4500 psi and now offers high accuracy flow rates, at any cylinder pressure. The precision flow device (Item # OX-492) can be purchased separately or the HectOx that attaches to your BC inflator hose can be utilized. This analyzer is designed for those divers that are interested in getting the highest accuracy gas readout possible.

| Item#     | Description  |
|-----------|--|
| OX-ANII   | Oxygen Analyzer Kit: Includes Analyzer, Flow Meter, Sampling Hose and Waterproof Hard case |
| OX-1S492  | Complete flow meter (1 <sup>st</sup> stage and barbed metering device)                     |
| OX-492    | Barbed Metering device (installs in LP port)   |
| OX-HECTOX | Constant 2-3 lpm flow meter that attaches to your LP inflator hose                         |
| OX-HSEA   | Sampling hose  |
| OX-AN     | Analyzer   |
| OX-SNSR   | Oxygen Sensor  |

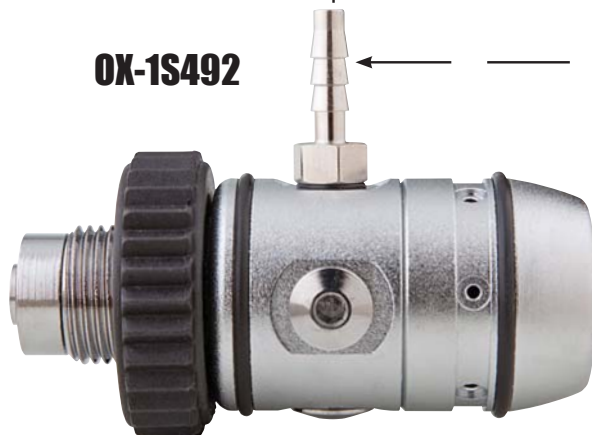


**OX-SNSR**

### OX-HECTOX



**OX-1S492**



**OX-492**



Flow Meter with Submicron Filter & Precision Ruby Orifice





# Hardware Stainless Steel

## Swivel Bolt Snap



| Item#    | Size (O.A.L.) |
|----------|---------------|
| H-SSE4.5 | 4.50"         |
| H-SSE3.5 | 3.45"         |
| H-SSE3   | 3.00"         |

## Round Ring



| Item# | Size (I.D.) |
|-------|-------------|
| H-RS2 | 2" X .25    |

## Quick Link



| Item#     | Size (O.A.L.) |
|-----------|---------------|
| H-SSQL3   | 3.00"         |
| H-SSQL2   | 2.00"         |
| H-SSQL1.5 | 1.50"         |

## Double Ended Snap



| Item#     | Size (O.A.L.) |
|-----------|---------------|
| H-SDE 4.5 | 4.50"         |
| H-SDE4.0  | 4.00"         |
| H-SDE3.5  | 3.50"         |

## D Ring



| Item#  | Size (I.D.) |
|--------|-------------|
| H-SSD2 | 2" X .25"   |
| H-SSD1 | 1" X .20    |

## Stage Bottle Neck Ring



| Item#   | Description                       |
|---------|-----------------------------------|
| A-490-S | Ring w/ 4.70"<br>Swivel Bolt Snap |

## Stainless Steel Butterfly Swivel Bolt Snap



| Item#    | Size (O.A.L.) |
|----------|---------------|
| H-SSEQ-3 | 3.50"         |

## Carabiner



| Item#    | Size (O.A.L.) |
|----------|---------------|
| H-SSC4   | 4.0"          |
| H-SSC3   | 3.0"          |
| H-SSC2.5 | 2.5"          |

## Billy Rings



| Item#    | Size (O.A.L.)             |
|----------|---------------------------|
| H-B-RG45 | 2" D-Ring @<br>45 degrees |



| Item#   | Description    |
|---------|----------------|
| HSSDB-2 | 2" Bent D-Ring |

## 3 Bar Serrated Slide



| Item#   | Size (O.A.L.) |
|---------|---------------|
| H-SS3BS | 2"            |



| Item#    | Size(O.A.L.)             |
|----------|--------------------------|
| H-B-RING | 2" D-Ring@<br>90 degrees |

## Shackle



| Item#   | Size (O.A.L.) |
|---------|---------------|
| H-SSQ2L | 2.0"          |

## 3 Bar Slide



| Item#  | Size (O.A.L.) |
|--------|---------------|
| H-SS3B | 2"            |

## HD 3 Bar Slide



| Item#  | Size (O.A.L.) |
|--------|---------------|
| H-HD3B | 2"            |

## Weight Belt Buckle



| Item#  | Size (O.A.L.) |
|--------|---------------|
| H-WBBS | 2"(Stainless) |
| H-WBB  | 2"(Delrin)    |



# Stainless Steel/Delrin Hardware



## NEW! BILLY RINGS™

### Billy Rings



**Item#**  
H-B-RING--6

**Description**  
2" D-Ring welded at 90 degrees to a heavy duty 3 Bar slide that will accept up to 2 thicknesses of webbing. 6mm wire size accepts smaller Swivel Snaps

### Billy Rings



**Item#**  
H-B-RG-45-6

**Description**  
2" D-Ring welded at 45 degrees to a heavy duty 3 Bar slide that will accept up to 2 thicknesses of webbing. 6mm wire size accepts smaller Swivel Snaps

### Billy Rings



**Item#**  
H-B-DD-6

**Description**  
2" D-Ring welded at 45 degrees to a heavy duty 3 Bar slide that will accept up to 2 thicknesses of webbing. 6mm wire size accepts smaller Swivel Snaps

### Delrin 3 Bar Slide



**Item#**  
H-SLIDE2  
H-SLIDE1

**Size (Width)**  
2"  
1"

### Delrin Side Release Buckle



### Taco (Stainless Steel) (Holds D-Ring to Hose Clamp)



**Item#**  
HSDRB

**Description**  
TACO

### Garvin Hook



**Item#**  
A-492

**Description**  
Attaches to Jon Line for quick attachment to anchor line





# Chemicals

**U.S. NAVY APPROVED**



## **CORROSTOP™ CORROSION INHIBITOR**

CORROSTOP™ Corrosion Inhibitor has been chemically engineered to protect metal objects and equipment against the corrosive effects of fresh water, salt water and salt. It is a food grade, environmentally friendly product that is safe for use with oxygen service equipment!

Applications: Scuba equipment (e.g. cylinder protection, inside and outside), valves, regulators, fishing, boating and vehicular equipment constructed of metal and subject to the corrosive effects of salt. CORROSTOP™ is particularly useful when rinse water is either unavailable or must be conserved.

With similar and dissimilar metals, CORROSTOP™ inhibits anodic/cathodic deterioration and oxidation by:

- Stopping galvanic reaction
- Imparting a protective coating

CORROSTOP™ will, to some degree, repair past damage and prevent further corrosion when used as directed. CORROSTOP™ is safe for use with rubber and plastic products.

CORROSTOP™ concentrate is available in a 32-ounce bottle and a 2-ounce bottle. Two ounces of concentrate make one gallon.

**NO LEAK BOTTLE**

### **Item# Description**

- |      |                  |
|------|------------------|
| A275 | 32 oz CORROSTOP™ |
| A278 | 2 oz CORROSTOP™  |

**Both steel samples  
immersed in  
sea water**

**A.** Treated with  
CORROSTOP™



**B.** Not treated





## OMS® BRAND CLOTHING

Generally speaking, all OMS® clothing is first selected on the basis of quality and then tested by OMS® for ruggedness and wearability.

### Item# Description

CL-HAT This is a low-profile cap, constructed from cotton or cotton-blend materials, with an adjustable leather band/buckle. One size, adjustable. Color: Black with OMS® logo



### Item#

CL-LOGO -T

### Description

T-Shirt: Redesigned with a 50/50 cotton/poly blend with OMS® logo front and rear.  
Sizes: M-XXL Colors: Black or White





"NPS Submerged Resources Center Archeologist Andres Diaz at Dry Tortugas National Park" Photo by Brett Seymour, NPS Submerged Resources Center."



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