

AERIS[®]

The adventure begins

2007

Gear Guide





AERIS[®]

The adventure begins

If you love diving, chances are that you love an adventure. Whether it's a local day trip or a trek halfway around the world, you are in your element. Whatever your pleasure, if you want to get the most out of any diving experience you need the right gear.

AERIS makes products designed to accompany you on almost any adventure you can imagine. The products you will find in this 2007 Gear Guide have been designed and produced by divers, for divers, to meet your diving needs now, and well into the future.

Shot on location at Tawali Dive Resort - Milne Bay, Papua New Guinea



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Credits

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Fins



Velocity® XP

Speed, comfort, and maneuverability; you can have it all with the Velocity XP. The XP combines the patented design concepts divers have come to expect from AERIS with a new mix of materials that enhance performance and style. Compared to conventional fins, the XP is up to 30% faster and more efficient, with less effort, stress and strain resulting in greater comfort and control.

- Patented Nature's Wing® Propeller Fin Technology
- Semi-rigid battens and rubber flex channels within the blade precisely control the shape of the blade during the fin stroke to optimize power and reduce drag
- Oversized side rails add rigidity to the oversized blades for increased power and efficiency
- Ergonomically designed foot pocket accommodates virtually all foot sizes and boot styles
- Angled blade for preferred angle of attack
- Easy on/off fin strap with thumb loop
- Easy adjust quick-release buckles



Nature's Wing® Propeller Fin Technology

The Velocity XP Fin is an engineering revolution

- designed from the ground up to deliver what others only promise
- enhanced speed and efficiency with virtually no effort for every diver, regardless of size, strength or kicking style. The technological edge is achieved using patented Nature's Wing® Split-Fin Technology.



Velocity® Duo

The Velocity Duo is designed to provide greater thrust while reducing muscle fatigue. The patented Nature's Wing® design allows the diver to make a much more efficient flutter kick, thus reducing the amount of effort needed to propel the diver through the water.

- Patented Nature's Wing® propeller fin technology
- Advanced composite materials for ideal flex and memory
- Generous yet streamlined foot pocket fits a wide range of boot styles
- Angled blade for preferred angle of attack
- Easy adjust quick-release buckles



Mako™

The Mako blade's flexible center area creates a massive water channel by utilizing the entire surface area of the blade and foot pocket. The engineered channels and side rails direct water flow off the tips of the fin without allowing water to "spill" from the sides of the blade for uncompromising power and efficiency.

- Flexible center channel accelerates water over the blade for improved efficiency
- High Performance Vents™ reduce stress while accelerating water over the blade
- Oversized blade produces increased thrust and propulsion
- Generous yet streamlined foot pocket fits a wide range of boot styles
- Extremely lightweight for increased performance and ease of travel
- Easy adjust quick-release buckles



Velocity®

During the fin stroke, water flow is directed through the Power Enhancing Vents (PEV's). This helps reduce the stress on the divers leg while accelerating water over the blade; resulting in increased velocity. Water movement through the PEV's also reduces lateral movement of the fin (wasted energy), increasing the efficiency of the kick.

Try a pair for yourself and find out what we mean by "designed for velocity."

- Power Enhancing Vents (PEV's) reduces leg stress and increase velocity
- Advanced composite materials for ideal flex and memory
- Generous yet streamlined foot pocket fits a wide range of boot styles
- Easy adjust quick-release buckles



Velocity® Full-Foot

The Velocity Full Foot Fins feature our unique Power Enhancing Vents (PEV's) for reduced leg stress and increased velocity. Weighing in at only 2.5 pounds per pair, the Velocity Full Foot fins are the ideal SCUBA or snorkeling fin for the traveler.

- Power Enhancing Vents (PEV's) reduces leg stress and increase velocity
- Advanced composite materials for ideal flex and memory
- Ergonomically designed foot pocket in 7 sizes
- Small and light weight (only 2.5 lbs per pair) full foot version of our popular Velocity Fins





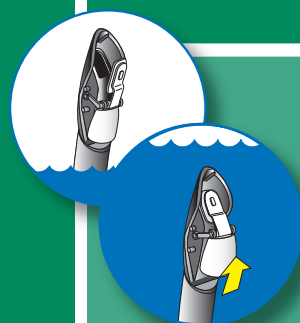
Snorkels



Cuda Dry™

The Cuda Dry Snorkel features AERIS' Patented Dry Snorkel Technology. The Cuda Dry is low profile for comfort and function.

- Patented Dry Snorkel Technology
- Oversized purge valve for easy clearing
- Drop away smooth bore flex mouthpiece
- Quick-release swiveling snorkel keeper
- Replaceable 100% liquid silicone mouthpiece and purge valve



Dry Snorkel Technology

When the snorkel is submerged, the patented Cuda Dry Valve automatically closes to prevent water from entering the airway. When the snorkel is above water, the airway is open, automatically allowing smooth normal breathing.



Cuda Dry Mini™

Featuring the same fine qualities as the Cuda Dry, but with a mouthpiece designed for smaller adults and youths.

- Smaller 100% liquid silicone mouthpiece for comfort
- Patented Dry Snorkel Technology
- Oversized purge valve for easy clearing
- Drop away smooth bore flex mouthpiece
- Quick-release swiveling snorkel keeper
- Replaceable 100% liquid silicone mouthpiece and purge valve



Snorkeling Vest™

Ideal for those who love snorkeling! Soft and comfortable. Multiple adjustment straps for a secure fit. Available in regular and small sizes.

- Provides comfortable surface flotation for snorkelers of all ages
- May be easily inflated or deflated as needed
- Quick release adjustable straps



File Fish™

The File Fish features a semi-dry top and an affordable price tag. A silicone flex barrel and mouthpiece increase comfort.

- Semi-dry top deflector prevents water entry
- Flex barrel for reduced jaw fatigue
- Oversized purge valve for easy clearing





Masks



Orca™

One of the widest fields of view available. Generous tear-drop lens design guarantees a great view of your surroundings.

- Highest grade, ultra-soft 100% liquid silicone skirt for a positive seal and long life
- Low volume design for better visibility and easier clearing
- Tempered glass lenses for safety
- Easy-to-adjust, swiveling buckles
- Lightweight, uniquely styled frame

Europa 2™

The Europa 2 features an extremely low volume and light weight frame, with an excellent fit for most faces. Easy adjusting buckles offer convenience and comfort. Optical Lenses available.

- 100% liquid silicone skirt for a positive seal and long life
- Low volume design for better visibility and easier clearing
- Tempered glass lenses for safety
- Easy-to-adjust, swiveling buckles
- Lightweight frame



Europa 2 Purge™

The Europa 2 Purge features an extremely low volume and lightweight frame, with an excellent fit for most faces. Easy adjusting buckles offer convenience and comfort. Optical Lenses available.

- High-volume purge for easy clearing
- 100% liquid silicone skirt for a positive seal and long life
- Low volume design for better visibility and easier clearing
- Tempered glass lenses for safety
- Easy-to-adjust, swiveling buckles
- Lightweight frame



Coral™

Sleek 100% liquid silicone skirt attached directly to the tempered glass lens. No mask frame means the Coral offers an incredible field of vision and packs flat.

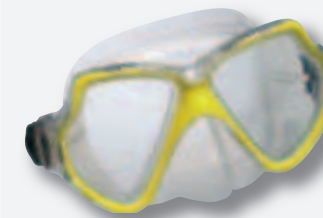
- No-frame design reduces weight and provides one of the largest fields-of-view
- Extremely low volume design
- Swiveling, easy adjusting buckles
- Ideal for hunters and photographers
- Perfect back-up mask as it folds and fits easily in a BC pocket
- Tempered glass lenses for safety



Europa 4™

The Europa 4 features a very low volume and lightweight frame, with side windows for an extra wide field of vision. Easy adjusting buckles offer convenience and comfort. Optical Lenses available.

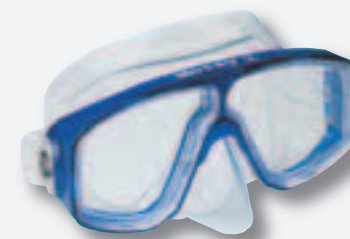
- 100% liquid silicone skirt for a positive seal and long life
- Low volume design for better visibility and easier clearing
- Tempered glass lenses for safety
- Easy-to-adjust, swiveling buckles
- Lightweight frame



Goby™

Stylish low volume design that concentrates on achieving a balance of features and abilities. Easy to clear and comfortable to wear.

- Highest grade, ultra-soft 100% liquid silicone skirt for a positive seal and long life
- Low volume design for better visibility and easier clearing
- Tempered glass lenses for safety
- Easy-to-adjust, swiveling buckles
- Lightweight frame



Moray 2™

The Moray 2 features an extremely low volume and lightweight frame.

- 100% liquid silicone skirt for a positive seal and long life
- Low volume design for better visibility and easier clearing
- Tempered glass lenses for safety
- Easy-to-adjust, swiveling buckles
- Lightweight frame



Optical Lenses



All Europa Masks may be easily fitted with stock optical lenses from -1.5 to -8.0 diopters in .5 increments.



Regulators



AT400 Pro™

The pneumatically balanced, adjustable Pro provides the lowest possible inhalation effort. The second stage adjustment allows you to adjust your breathing effort, fine-tuning the regulator to your desired setting throughout your dive. The Venturi assist deflector vane directs airflow from the valve directly to the mouthpiece producing smooth effortless inhalation. Turning the Venturi assist down, to a pre-dive position, prevents regulator free-flow while on the surface.

- Pneumatically balanced
- Diver-adjustable inhalation effort
- Adjustable Venturi switch
- Nitrox compatible to 40%
- Patented Orthodontic Mouthpiece for comfort and reduced jaw fatigue

AT400 DVT First Stage™

- High performance over-balanced first stage provides progressively greater intermediate pressure as depth and gas density increases for superior gas delivery under the most extreme conditions
- Equipped with DVT (Dry Valve Technology)
- Environmental Kit seals the ambient chamber to prevent freezing and contaminant intrusion



DVT® (Dry Valve Technology)

A patented design that puts an end to flooded regulators without sacrificing performance! DVT is a revolutionary regulator technology designed to automatically prevent moisture and contaminants from entering your first stage between dives, even if the dust cap is left off.

Lifetime Parts Replacement Program

The AERIS ADVANTAGE Program provides free standard replacement parts for your AERIS regulator for as long as you own it. The program includes all AERIS first stages and second stages. Register your regulator online with AERIS, and you are automatically enrolled in the program.



BAG IT! ABSOLUTELY FREE!

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AT400 Sport™

The AT400 Sport has many of the high-performance features of the AT400 Pro with the exception of the 2nd stage adjustment knob and pneumatically balanced valve design. This regulator is ideal for the diver who wants high performance without having to manually adjust the 2nd stage while diving.

- Conventional second stage without diver adjustment
- Adjustable Venturi switch
- Nitrox compatible to 40%
- Patented Orthodontic Mouthpiece for comfort and reduced jaw fatigue

AT400 DVT First Stage™

- High performance over-balanced first stage provides progressively greater intermediate pressure as depth and gas density increases for superior gas delivery under the most extreme conditions
- Equipped with DVT (Dry Valve Technology)
- Environmental Kit seals the ambient chamber to prevent freezing and contaminant intrusion



A1™

The A1 Regulator is a great performer at a great price. Both the 1st and 2nd stages are low profile, durable and lightweight. Both are easy to maintain and service, and are appreciated by divers and technicians worldwide.

- The best price-to-performance ratio in its class
- Designed to perform to the U.S. Navy's Class A standard at 198 feet
- Unmatched reliability and easy maintenance
- Patented Orthodontic Mouthpiece for comfort and reduced jaw fatigue

A1 First Stage™

- Flow-by piston first stage exceeds European CE performance standards and outperforms every competitive regulator in its class
- Nitrox compatible to 40%
- May be equipped with or without DVT (Dry Valve Technology)



Gyro Octo™

The Gyro Octo is ultra-compact to reduce drag in the water. The Gyro swivels 180 degrees, allowing the diver to easily facilitate air sharing should the situation arise.

- Ambidextrous design allows left or right hand mounting
- May be used upside down for additional safety in an out-of-air emergency
- Lies streamlined and flat, reducing drag and tangles on other equipment
- High visibility front cover and hose
- Nitrox compatible to 40%



A1 Octo™

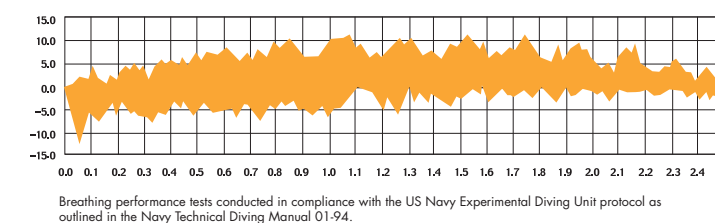
Built to withstand dive store rental departments, the A1 Octo is rugged yet lightweight and streamlined.

- Conventional second stage without diver adjustment
- Lightweight
- Nitrox compatible to 40%
- Rugged and dependable

Regulator Comparison Chart

FEATURES & FUNCTIONS	AT400 PRO	AT400 SPORT	A1	GYRO OCTO	A1 OCTO	AIR LINK
Valve Type	DEMAND	DEMAND	DEMAND	DEMAND	DEMAND	DEMAND
Adjustment	KNOB/PRE-DIVE SWITCH	PRE-DIVE SWITCH	N/A	N/A	N/A	N/A
Balancing System	PNEUMATIC	N/A	N/A	N/A	N/A	N/A
Integrated Purge Button	YES	YES	YES	YES	YES	YES
Mouthpiece	ORTHODONTIC	ORTHODONTIC	ORTHODONTIC	ORTHODONTIC	STANDARD	ORTHODONTIC
Nitrox Compatibility	STANDARD TO 40%	STANDARD TO 40%	STANDARD TO 40%	STANDARD TO 40%	STANDARD TO 40%	STANDARD TO 40%
Ambidextrous	NO	NO	NO	YES	NO	NO
Integrated Swivel	NO	NO	NO	YES	NO	NO
Weight (without hose)	5.4 OUNCES	7 OUNCES	6 OUNCES	5.8 OUNCES	6 OUNCES	7.9 OUNCES
Minimum Cracking Effort	DIVER ADJUSTABLE	1.1 CIW	1.1 CIW	1.5 CIW	1.5 CIW	1.5 CIW*
Factory Set Inhalation Effort	0.0 - 2.5 CIW	1.2 - 1.4 CIW	1.2 - 1.5 CIW	1.5 - 2.0 CIW	1.5 - 2.0 CIW	1.6 - 2.2 CIW
Work of Breathing	.9	.96	1.23	2.17	1.76	2.86
First Stage	AT400 DVT	AT400 DVT	A1	N/A	N/A	N/A
Limited Lifetime Free Parts Replacement Program	YES	YES	YES	YES	YES	YES

FIRST STAGE	AT400 DVT	A1
Valve Type	BALANCED DIAPHRAGM	UNBALANCED PISTON
Primary Material	MARINE BRASS	MARINE BRASS
Low Pressure Ports	4	4
High Pressure Ports	2	1
DVT (Dry Valve Technology)	YES	OPTIONAL
Nitrox Compatibility	STANDARD TO 40%	STANDARD TO 40%
DIN Fitting	OPTIONAL	OPTIONAL
Environmental Protection	YES	NO
Weight	29 OUNCES	26 OUNCES
Factory Set Intermediate Pressure Range	138-142 PSI	140-145 PSI
Pressure Drop	20.1 PSI	13 PSI
Limited Lifetime Free Parts Replacement Program	YES	YES



SETTINGS
 Depth: 198 fsw
 Depth Offset: 18 cm (water depth of second stage)
 Temperature: 58 F
 Breaths Per Minute: 25
 Liter Flow Per Breath: 2.5
 Supply Pressure: 3012 psi
 Intermediate Pressure (max): 149.2 psi
 Intermediate Pressure (min): 132.5 psi

WORK OF BREATHING
 WOB Inhalation: 0.14 Joules
 WOB Exhalation: 0.76
WOB TOTAL: .90 Joules

WORK OF BREATHING

Did you know that it costs energy to breathe? The amount of energy your regulator requires to move each liter of air is called work of breathing (WOB). Lower work of breathing equals lower effort required to breathe and increased comfort and safety during a dive.

How to Read Work of Breathing Charts

The computer-generated breathing machine chart presented above represents a regulator's performance per standards established by the U.S. Navy's Experimental Diving Unit. Tests are conducted at 198 feet with approximately 3000-psi supply pressure, 25 breaths per minute of 2.5 liters each.

(1) Inhalation - The chart shows one complete breath cycle, starting with inhalation on the left and continuing along the bottom to the right, staying mostly below 0.0; thus the inhalation work of breathing is reported in negative numbers.

(2) Exhalation - The exhalation effort begins on the right and runs across the top to the left. These are all positive numbers since a diver (or the machine in this case) is blowing out (exhaling) rather than inhaling.

(3) WOB - The total area inside the loop formed by the two lines is what the computer analyzes to calculate the regulator's total work of breathing - the amount of energy the regulator requires to move each liter of air.



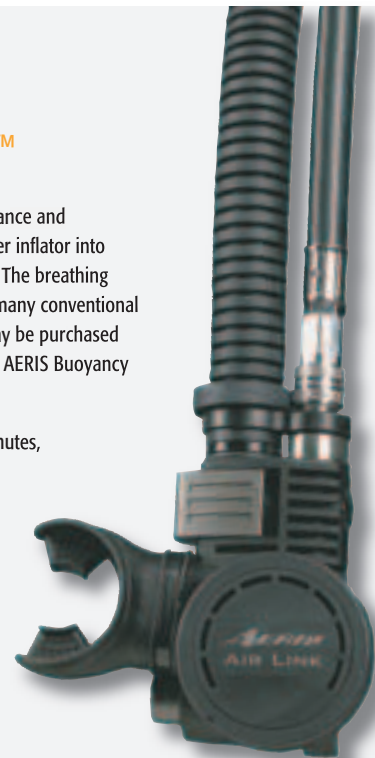
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Air Link Octo Inflator™

The Air Link combines the performance and reliability of an octopus and a power inflator into a low profile, streamlined package. The breathing performance is superior to that of many conventional octopus regulators. The Air Link may be purchased separately, or pre-installed on your AERIS Buoyancy Compensator.

- Easily add to any AERIS BC in minutes, or purchase installed with a new BC for additional savings
- Compact, integrated design eliminates the bulk of a traditional octopus and hose
- No need to search in an emergency for an octo that is rarely used- the Air Link is always right where you need it
- Ergonomic design for ease of use
- Integrated pull-ball allows venting of BC while the Air Link is in use



Dive Computers



Compu-Mask Hud™

The COMPU-MASK HUD Mask contains a miniature liquid crystal display (LCD) panel, proprietary optics package, microprocessor, depth transducer, wireless cylinder pressure receiver, diver replaceable battery, and controlling software. The miniature LCD allows you to keep your eyes focused on the dive while presenting critical dive data including: current depth, elapsed dive time, cylinder pressure, and dive time remaining. The optical lens provides a clear, highly magnified image of the LCD, which is viewable regardless of environmental conditions and may be seen clearly by the vast majority of people, regardless of vision.



- In Mask Dive Computer Display
- Air, Nitrox, Gauge and Free Dive Modes
- Hoseless Air Integrated Technology with Auto-Acquire™
- Patented Air Time Remaining Algorithm
- Audible Alarms with Alarm Acknowledgment™
- Backlighting may be adjusted underwater for brightness as well as full-time or on demand use
- Includes ACI™ PC Download and Settings Upload Software and USB cable
- Available with or without Hoseless Transmitter
- Diver-Replaceable Batteries™

Available mid-2007



Wireless Transmitter

Epic™

The Epic is so small and stylish you can wear it on your wrist to dinner as well as your next dive trip. Enjoy the freedom of eliminating a hose from your system, while enjoying the freedom of movement underwater with complete dive data at a glance.

- Air, Nitrox, Gauge and Free Dive Modes
- Switch between up to 3 independent wireless transmitters, tracking 3 Nitrox mixes to 100% O₂
- Buddy Pressure Check™
- Mineral glass lens
- Advanced watch functions including alternate time zone, stopwatch, lap timer, daily alarm, and countdown timer
- Audible Alarms with Alarm Acknowledgment™
- Alpha-numeric display
- Adjustable safety stop time and depth
- Dedicated Free Dive Mode calculates and tracks Nitrogen Tissue Loading – allowing users to alternate between SCUBA and Free Diving
- ACI™ PC Download and Settings Upload Software and USB Cable included
- Diver-Replaceable Battery™



Wireless Transmitter

Elite T3™

The Elite T3 is streamlined and ergonomically styled; yet the display is large and easy to read. The Elite T3 achieves a remarkable balance between features and usability, allowing you to focus on what's important – the dive. With AERIS' hoseless transmitter, the diver can also monitor gas pressure from up to three independent cylinders – ideal for both technical diving applications with compatibility with up to three Nitrox mixes to 100% oxygen and recreational diving with our new Buddy Pressure Check™ feature.

- Air, Nitrox, Gauge and Free Dive Modes
- Hoseless Air Integrated Technology
- Switch between up to 3 independent transmitters, tracking 3 Nitrox mixes to 100% O₂
- Buddy Pressure Check™
- Adjustable safety stop time and depth
- Backlighting
- ACI™ PC Download and Settings Upload Software and USB V2 Cable included (complete unit with Wireless Transmitter only)
- Diver-Replaceable Batteries™

Buddy Pressure Check™

Buddy Pressure Check is a unique feature that allows you to receive and monitor your "Buddy's" air pressure on your AERIS Dive Computer. This feature is available on the Epic and Elite T3 computers.



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ATMOS[®] ai

The ATMOS ai is a very small, compact air-integrated console; yet, the information is displayed with large, easy to read digits. It is available with or without a compass; and with or without a quick disconnect.

- Air time and no-deco/deco time remaining display
- Patented Air Time Remaining algorithm provides extremely accurate time based on current depth and your personal air consumption
- Nitrox programmable to 50% O₂
- Optional ACI™ PC Download and Settings Upload Software and USB Cable
- Water and manual activation
- Safety stop count-down timer
- Audible and visual alarms
- User-replaceable battery™



Manta™

The MANTA is a powerful and versatile new sports watch, ideal for divers, free divers and those that just want to look like one. A unique combination of quality, function and style, the MANTA is perfect on its own or as a backup to any of our other Dive Computer models.

- Air, Nitrox, Gauge and Free Dive Modes
- Audible Alarms with User Acknowledgment
- Adjustable safety stop time and depth
- Backlighting
- Optional ACI PC Download and Settings Upload Software and USB V2 Cable
- Diver-Replaceable Battery™



X1 Maxdepth Gauge™

The X1 MaxDepth Gauge is one of the most dependable instruments around for divers who are just starting out or don't feel they need the advanced features of a Dive Computer just yet.

- Contemporary, easy to read dial design
- Maximum depth indicator
- Thermometer (in console only)
- Large, luminous gauge face
- Metric versions available



X1 Pressure Gauge™

The X1 Pressure Gauge is an accurate and reliable submersible pressure gauge rated to 5,000 psi.

- Nitrox compatible to 50% O₂
- Luminescent gauge face
- Integrated temperature gauge



Pony Bottle Gauge™

Ideal for back-up air supplies and the perfect accessory for use with hoseless Dive Computers, allowing you to quickly pressure check your cylinder without linking your receiver unit.

- Threads directly into first stage high pressure port
- Nitrox compatible to 50% O₂
- Readings to 5,000 psi



X1 Compass™

Large, easy-to-read bearing indicators on our extremely bright luminescent floating card make quick work of navigation, especially in limited visibility.

- Proprietary design ensures quick response and smooth movement
- Top or side reading
- High visibility lubber line
- Large ratcheting bezel
- Direct and reciprocal index points



XR-2™

The XR-2 is a full-featured Air or Nitrox Dive Computer in a compact package. Small in size, but with easy-to-read oversized digits, bar graphs, and intuitive icons. Loaded with features but still very user friendly with two operating buttons.

- Air, Nitrox or Gauge Modes
- Advanced user settings and options
- Optional ACI™ PC Download and Settings Upload Software and USB Cable
- Customize the information presented during a dive with a press of a button
- Backlight
- Water and manual activation
- Safety stop count-down timer
- Audible alarm with flashing LED warning light
- Diver-Replaceable Battery™



XR-1™

A comfortable mix of graphics and icons make this computer extremely easy to read and easy to use. Oversized digits and a split-screen display makes using the computer even easier.

- Water and manual activation
- Variable ascent rate indicator
- Diver-Replaceable Battery™
- Customize the information presented during a dive with a press of a button
- Water and manual activation
- Safety stop count-down timer

XR Series computers available in module, wrist mount and 2 or 3 gauge console configurations.



Instrument Accessories



ACI PC Interface
ACI PC Interface allows you to easily transfer Dive Computer to your PC via a plug-in USB cable. In addition to detailed dive analysis, ACI PC Interface also allows you to quickly and easily set all of your Dive Computer settings and options directly through your PC.



Battery Kits
Genuine AERIS replacement parts ensure trouble-free operation and long life. Includes factory approved battery, battery hatch o-ring, silicone grease, and instructions.



Lens Protectors
Protect your investment with a lens protector designed specifically for your Instrument.



Retractors
Mount your instrument console, light or other accessory to your AERIS BC with our specially designed Retractors.



Quick-Disconnect
Quickly disconnect the high pressure hose of any gauge console from the high-pressure port of your regulator with no tools required. Nitrox compatible.

Dive Computer Comparison Chart

FEATURES & FUNCTIONS	COMPU-MASK	EPIC	ELITE T3	ATMOS AI	MANTA	XR-2	XR-1
Model Type	Wireless, Air Integrated	Wireless, Air Integrated	Wireless, Air Integrated	Air Integrated	Wrist Watch	Module	Module
Modes of Operation	Air, Nitrox, Gauge and Free Dive	Air, Nitrox, Gauge and Free Dive	Air, Nitrox, Gauge and Free Dive	Air, Nitrox, and Gauge	Air, Nitrox, Gauge and Free Dive	Air, Nitrox, and Gauge	Air and Gauge
Operating Buttons	2	4	3	2	4	2	1
Mounting Options	Mask	Wristwatch	Wrist/Retractor	Console	Wristwatch	2 or 3 Gauge Console, Wrist, Module	2 or 3 Gauge Console, Wrist, Module
Activation	Water or Push Button	Water or Push Button	Water or Push Button	Water or Push Button	Water or Push Button	Water or Push Button	Water or Push Button
Digital Watch Functions	N/A	Time, Alternate Time, Countdown Timer, Stop Watch, Daily Alarm	N/A	N/A	Time, Alternate Time, Countdown Timer, Stop Watch, Daily Alarm	N/A	N/A
Algorithm Basis	Modified Haldanean / DSAT Database	Modified Haldanean / DSAT Database	Modified Haldanean / DSAT Database	Modified Haldanean / DSAT Database	Modified Haldanean / DSAT Database	Modified Haldanean / DSAT Database	Modified Haldanean / DSAT Database
Conservative Factor Adjustment	YES	YES	YES	NO	YES	NO	NO
Altitude Algorithm Basis	NOAA	NOAA	NOAA	NOAA	NOAA	NOAA	NOAA
O2 Limit Basis	NOAA	NOAA	NOAA	NOAA	NOAA	NOAA	N/A
Tissue Compartments	12 (5 to 480 minutes)	12 (5 to 480 minutes)	12 (5 to 480 minutes)	12 (5 to 480 minutes)	12 (5 to 480 minutes)	12 (5 to 480 minutes)	12 (5 to 480 minutes)
Automatic Altitude Adjustment	YES	YES	YES	YES	YES	YES	YES
Decompression Capability	10-60 ft/3-18 m	10-60 ft/3-18 m	10-60 ft/3-18 m	10-60 ft/3-18 m	10-60 ft/3-18 m	10-60 ft/3-18 m	10-60 ft/3-18 m
Automatic Safety Stop Prompt	YES	YES	YES	YES	YES	YES	YES
Cylinder Pressure and Air Time Remaining	YES	YES – UP TO 3 TRANSMITTERS	YES – UP TO 3 TRANSMITTERS	YES	NO	NO	NO
Gas Switch / Buddy Pressure Check	NO	YES	YES	NO	NO	NO	NO
Audible Alarm	YES	YES	YES	YES	YES	YES	NO
Ascent Rate Maximum	30 fpm (<60 ft) 60 fpm (>60 ft) 9 mpm (<18 m) 18 mpm (>18 m)						
Backlight	YES	YES	YES	YES	YES	YES	NO
Diver Replaceable Batteries	YES	YES	YES	YES	YES	YES	YES
Battery Type	CR2 / CR2	CR2430 / CR2	CR2450 / CR2	CR2450	CR2430	CR2450	CR2450
Battery Life*	160 DIVE HOURS	300 DIVE HOURS	300 DIVE HOURS	300 DIVE HOURS	300 DIVE HOURS	300 DIVE HOURS	300 DIVE HOURS
Battery Hot Swap	YES	YES	YES	YES	YES	YES	YES
Calendar / Clock	DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME	DATE/TIME
Operating Depth (Max)	330 ft/100 m	330 ft/100 m	330 ft/100 m	330 ft/100 m	330 ft/100 m	330 ft/100 m	330 ft/100 m
Operating Depth (Free/Gauge)	330 ft/100 m	330 ft/100 m	399 ft/120 m	330 ft/100 m	330 ft/100 m	399 ft/120 m	399 ft/120 m
Time to Fly Countdown	YES	YES	YES	YES	YES	YES	YES
Desat Countdown	YES	YES	YES	YES	YES	YES	YES
High O2 Alarm / Warning	300/240 SOTU / DOTU	300/240 SOTU / DOTU	300/240 SOTU / DOTU	300/240 SOTU / DOTU	300/240 SOTU / DOTU	300/240 SOTU / DOTU	N/A
High PO2 Alarm / Warning	.2 less than user setting	.2 less than user setting	.2 less than user setting	.2 less than user setting	.2 less than user setting	.2 less than user setting	N/A
On-Unit Log Capacity	24 DIVES	24 DIVES	24 DIVES	24 DIVES	24 DIVES	24 DIVES	12 DIVES
PC Interface	INCLUDED	INCLUDED	INCLUDED	OPTIONAL	OPTIONAL	OPTIONAL	NO
PC Settings Upload	INCLUDED	INCLUDED	INCLUDED	OPTIONAL	OPTIONAL	OPTIONAL	NO

FEATURES & FUNCTIONS	COMPU-MASK	EPIC	ELITE T3	ATMOS AI	MANTA	XR-2	XR-1
Download Memory Capacity	512K**	512K**	512K**	256K**	512K**	256K**	N/A
Pre-Dive Planning Sequence	PUSH BUTTON	PUSH BUTTON	PUSH BUTTON	PUSH BUTTON	PUSH BUTTON	PUSH BUTTON	SCROLL
Alpha-Numeric Message Box	YES	YES	YES	NO	YES	NO	NO
On-Unit Simulator	NO	NO	NO	YES	NO	YES	NO
Temperature Display	YES	YES	YES	YES	YES	YES	NO
Tissue Loading Bar Graph	YES	YES	YES	YES	YES	YES	YES
Variable Ascent Rate	MESSAGE BOX	MESSAGE BOX	BAR GRAPH	BAR GRAPH	MESSAGE BOX	BAR GRAPH	BAR GRAPH
No Decompression Time Remaining Display	YES	YES	YES	YES	YES	YES	YES
Air Time Remaining Display	YES	YES	YES	YES	NO	NO	NO
Set "Turn" Pressure Alarm	YES	YES	YES	YES	NO	NO	NO
Set "End" Pressure Alarm	YES	YES	YES	YES	NO	NO	NO
Set FO2 (%) Gas 1	AIR, 21-50%	AIR, 21-50%	AIR, 21-50%	AIR, 21-50%	AIR, 21-50%	AIR, 21-50%	N/A
Set FO2 (%) Gas 2	N/A	OFF, 21-100%	OFF, 21-100%	N/A	N/A	N/A	N/A
Set FO2 (%) Gas 3	N/A	OFF, 21-100%	OFF, 21-100%	N/A	N/A	N/A	N/A
Set Audible Alarm On/Off	YES	YES	YES	YES	YES	YES	NO
Set Max Depth Alarm	YES	YES	YES	YES	YES	YES	NO
Set Elapsed Dive Time Alarm	YES	YES	YES	YES	YES	YES	NO
Set Maximum Nitrogen Tissue Loading Bar Graph Alarm	YES	YES	YES	YES	YES	YES	NO
Set Conservative Factor	YES	YES	YES	NO	YES	NO	NO
Set Dive Time Remaining Alarm	YES	YES	YES	YES	YES	YES	NO
Set Units Of Measurement	YES	YES	YES	YES	YES	YES	YES
Set Time Format (12/24 Hour)	YES	YES	YES	YES	YES	YES	YES
Set Time of Day	YES	YES	YES	YES	YES	YES	YES
Set Date	YES	YES	YES	YES	YES	YES	YES
Set Maximum PO2 Alarm	YES	YES	YES	YES	YES	YES	N/A
Set FO2 50% Default	YES	YES	YES	YES	YES	YES	N/A
Set Backlight	DURATION/INTENSITY	DURATION	DURATION	DURATION	DURATION	DURATION	N/A
Set Safety Stop Time and Depth	YES	YES	YES	NO	YES	NO	NO
Set Sampling Rate (Download)	YES	YES	YES	YES	YES	YES	N/A
Set Digital Gauge Mode On/Off	MODE SELECTION	MODE SELECTION	MODE SELECTION	YES	MODE SELECTION	YES	YES
Set Water Activation On/Off	YES	YES	YES	YES	YES	YES	YES
Set Free Dive Countdown Timer	YES	YES	YES	N/A	YES	N/A	N/A
Set Free Dive 30 sec. Elapsed Dive Time Alarm	YES	YES	YES	N/A	YES	N/A	N/A
Set Free Dive Max Depth Alarm 1	YES	YES	YES	N/A	YES	N/A	N/A
Set Free Dive Max Depth Alarm 2	YES	YES	YES	N/A	YES	N/A	N/A
Set Free Dive Max Depth Alarm 3	YES	YES	YES	N/A	YES	N/A	N/A

Sampling Rate Options	256K Memory Capacity	512K Memory Capacity
60 seconds	50-60 Hours	100-110 Hours
30 seconds	25-30 Hours	50-55 Hours
15 seconds	12-15 Hours	25-30 Hours
2 seconds	1.5-2 Hours	4-5 Hours
1 second (Free Dive Mode only)	N/A	1.5-2 Hours

*Battery Life: Battery life estimates are based on full-capacity batteries, and continuous usage as described. 7 days per week / 2 dives per day / 1 hour dive time / 2 hour surface interval / 18 hour interval from last dive to the first of the next day. COMPU-MASK is calculated with the Backlight on continuously.

**AERIS Dive Computers have user selectable Sampling Rates that determine when data is sampled and stored for subsequent download to associated PC interface programs. More frequent sampling provides more data per dive yet results in storage of fewer dives for download. Use with Air or Nitrox, with or without air integration, dive profiles, Free Diving activities, and other variables may also affect the number of dives that can be stored.



Buoyancy Compensators



BAG IT! ABSOLUTELY FREE!

Receive a ROLLER DUFFEL with the purchase of a qualifying life-support package from a participating Authorized AERIS Dealer.



ATMOS® LX

The innovative design of the ATMOS® LX allows the freedom of movement and other benefits you have come to expect from a rear-inflation BC. However, the unique wrap-around design of the air cell provides you more lift than most BC's; as well as an improved, upright orientation when the BC is inflated and you are on the surface.

- Hybrid bladder combines the benefits of both rear inflation and jacket style BCs
- Cordura® construction for unsurpassed durability and fade resistance
- QLR Weight System easily accommodate up to 20 lbs. of weight plus dual 5 lbs. rear weight pouches for improved in-water positioning
- Streamlined contoured shoulder straps
- Padded backpack with carry handle, tank positioning strap and padded lumbar support
- Large zippered pockets
- Integrated instrument retractor mount (retractor not included) and Silver Jack BC Knife mounting grommets
- Available with optional installed Air Link Octo Inflator

30-Day Satisfaction Guarantee

Guarantees that if at any time during the first 30 days of purchase, your AERIS product fails to meet your expectations, that product may be exchanged by a participating Authorized AERIS Dealer. No questions asked.



Contour® Women's-Specific Design

Maybe you've checked out women's-specific BC's before at your local shop but never really got what the hype was about. Sure they have different graphics and size ranges, but what is the real advantage of a women's-specific BC?

The Contour is built for you – designed specifically around the female form with ample adjustments to make it your own, without sacrificing features and functionality. This may just be the most comfortable, best fitting BC you've ever worn.

- Hybrid bladder combines the benefits of both rear inflation and jacket style BCs
- Patented Custom Fit Harness™ with multi-position shoulder strap that delivers individual comfort for women of all sizes
- Cordura® construction for unsurpassed durability and fade resistance
- Contoured in all the right areas for added comfort
- QLR Integrated Weight System accommodates up to 20 lbs. plus dual 5 lbs. rear weight pouches for improved in-water positioning
- Weights are loaded at a slight downward angle to aid self-loading
- Reinforced shoulders, padded back pack and an adjustable position sternum strap ensure comfort and stability
- Pre-bent welded stainless steel d-rings
- Integrated instrument retractor mount (retractor not included) and Silver Jack BC Knife mounting grommets

Patented (DUI) Torso Height Adjustment U.S. Patent No. 6,120,213



Coral™

The Coral BC is a full-featured jacket style, weight-integrated design, with a twist. The fit is exceptional, and exceptionally comfortable. The contoured air cell provides total freedom of movement with little or no noticeable squeeze. Large zippered pockets will carry most everything you need. Strategically located grommets can mount our Silverjack BC knife and integrated Instrument Retractor. The positive-lock QLR integrated weight system is a rare combination of easy to load and release, yet incredibly reliable and secure.

- High lift capacity and minimum drag
- Cordura® construction for unsurpassed durability and fade resistance
- QLR Integrated Weight System accommodates up to 20 lbs. Includes (2) 5 lbs. rear trim pockets
- Welded stainless steel D-rings
- 2 large zippered pockets
- Reflective accents
- Patented adjustable depth compensating cummerbund
- Right shoulder pull dump
- Integrated instrument retractor mount (retractor not included) and Silver Jack BC Knife mounting grommets





Reef Rider™

The Reef Rider is an ultra-streamlined BC ideally suited for the traveling diver. With the air bladder positioned on the back and minimal obstruction up front, we're sure you will find the Reef Rider a very streamlined, comfortable BC. Lightweight, and it has all the features you would expect to find on a much more expensive BC.

- Lightweight for the traveling diver; only 6 lbs.
- EZ Equip Weight System accommodates up to 14 lbs. Includes (2) 5 lbs. cylinder band trim pockets
- Padded neck collar for extra comfort
- Large, zippered pockets
- Adjustable sternum-strap for a more-secure fit
- Low-profile design for total freedom of movement



Sport™

The clean and streamlined, no-nonsense weight integrated jacket style BC just got better. Comfortable but extremely functional, the Sport BC features a contoured air cell with big front pockets and multiple stainless steel grommets for knife and retractor mounting.

- High lift capacity and minimum drag
- QLR Integrated Weight System accommodates up to 20 lbs. Optional (2) 5 lbs. cylinder band trim pockets
- Quick-release adjustable harness straps
- 2 large pockets
- Integrated instrument retractor mount (retractor not included) and Silver Jack BC Knife mounting grommets



Caribe™

With basic no-frills features, high lift capacity and great pricing, the Caribe is already a hit with rental and training departments worldwide and just about perfect for any diver looking for great value in a quality BC.

- Designed to withstand the daily rigors of rental and training departments around the world
- Cordura® construction for unsurpassed durability and fade resistance
- Integrated backpack with carrying handle
- Easy to adjust quick release shoulder adjustments
- Strategically placed welded stainless steel d-ring attachment points
- Sternum strap

Buoyancy Compensator Comparison Chart

FEATURES & FUNCTIONS	ATMOS LX	CORAL	CONTOUR	REEF RIDER	SPORT	CARIBE
Type	HYBRID	JACKET	HYBRID	REAR INFLATION	JACKET	JACKET
Air Cell Material	420 DENIER NYLON	FADELESS 500 DENIER NYLON	420 DENIER NYLON	420 DENIER NYLON	FADELESS 500 DENIER NYLON	1000 DENIER CORDURA
Shoulder Panel Material	1600 DENIER NYLON	1600 DENIER NYLON	1600 DENIER NYLON	1600 DENIER NYLON	1600 DENIER NYLON	1600 DENIER NYLON
Pocket Panel Material	1600 DENIER NYLON	1600 DENIER NYLON	1600 DENIER NYLON	1600 DENIER NYLON	1600 DENIER NYLON	1600 DENIER NYLON
Reflective Piping	NO	YES	NO	YES	NO	NO
Main Pockets / Closure	ZIPPER	ZIPPER	ZIPPER	ZIPPER	VELCRO®	VELCRO®
Max Dumpable Integrated Weight	20 LBS.	20 LBS.	20 LBS.	14 LBS.	20 LBS.	N/A
Max Non-Dumpable Rear Weight Pockets	10 LBS.	10 LBS.	10 LBS.	10 LBS.	(Optional) 10 LBS.	(Optional) 10 LBS.
Padded Backpack	YES	YES	YES	YES	YES	YES
Lumbar Support	YES	NO	NO	NO	NO	NO
Carrying Handle	YES	YES	YES	YES	YES	YES
Tank Positioning Strap	YES	NO	YES	YES	YES	YES
Molded Tank Cradle / Anti-Slip Pad	YES	YES	YES	YES	YES	YES
Stainless Steel D-rings	6	4	6	N/A	N/A	2
Plastic D-rings	4	6	4	16	6	N/A
Sternum Strap	ADJUSTABLE POSITION	ADJUSTABLE POSITION	ADJUSTABLE POSITION	ADJUSTABLE POSITION	FIXED	FIXED
Depth Compensating Cummerbund	YES	YES	YES	YES	NO	NO
Right Shoulder Pull-Ball Exhaust	YES	YES	YES	NO	NO	YES
Rear Pull-Ball Exhaust	YES	YES	YES	YES	YES	NO
Integrated Retractor Mount	YES	YES	YES	YES	NO	NO
Silver Jack Knife Mount	YES	YES	YES	YES	YES	NO
Air Link Octo Inflator	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL	OPTIONAL
Weight (size: Large)	9.1 LBS.	7.1 LBS.	7 LBS.	6 LBS.	6.3 LBS.	6.7 LBS.
Lift Capacity						
XS		21 LBS.	26 LBS.		21 LBS.	
SM	33 LBS.	23 LBS.	32 LBS.	24 LBS.	23 LBS.	32 LBS.
MD	33 LBS.	29 LBS.	38 LBS.	24 LBS.	29 LBS.	38 LBS.
LG	46 LBS.	32 LBS.	46 LBS.	32 LBS.	32 LBS.	41 LBS.
XL	46 LBS.	38 LBS.		32 LBS.	38 LBS.	48 LBS.
XXL				32 LBS.		





Wetsuits



Rio 3/2™

For ultimate versatility in warmer climates you need a suit for a wide range of temperatures from warm surface waters to chilly thermoclines on deeper dives. Designed for maximum flexibility, warmth and comfort so you can forget about your gear and focus on your dive. The 3mm chest panels keep your core warm, while the 2mm extremities and strategic placement of our Reeflex Super-Stretch neoprene offers completely unrestricted range of movement.

- 5-Point Skin-in Neoprene Seals (wrists, ankles and neck) to reduce water flushing
- Reeflex Super-Stretch Neoprene panels in shoulders and lumbar area (male) and hips and bust (female) for ultimate comfort and ease of donning
- High-density neoprene in torso, legs and arms for uncompromising compression resistance for warmth and long use life
- Adjustable collar for reduced water entry and comfort
- Shoulder panel graphics for exceptional abrasion resistance

Reeflex Super Stretch Neoprene

Reeflex Super-Stretch Neoprene stretches 65% more than conventional neoprene. Strategically placed Reeflex panels offer completely unrestricted range of movement and eases donning and doffing.



Rio .5™

For water so warm and mild you're tempted to dive au naturel, but you still want full protection from the sun and from any scrapes with coral, sand or dive gear. The Rio .5 jumpsuit allows you total freedom, flexibility, comfort, and protection.

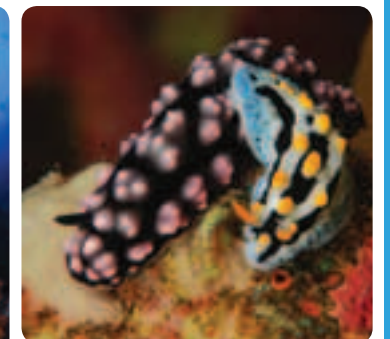
- Stirrups and thumb loops make donning a snap when layering under a thicker suit
- Adjustable skin-in lined collar for reduced water entry and comfort
- Shoulder panel graphics for exceptional abrasion resistance



Rio 2 Shorty™

Comfort, durability and no-nonsense function at an incredible value. The athletic cut leg ends just above the knee, providing unparalleled protection against coral cuts and stings. By freeing the leg below the knee, Rio Shorties are ideal for many other watersports activities besides diving.

- 5-Point Skin-in Neoprene Seals (arms, legs and neck) to reduce water flushing
- Reeflex Super-Stretch Neoprene panels in shoulders and lumbar area (male) and hips and bust (female) for ultimate comfort and ease of donning
- High-density neoprene in torso, legs and arms for uncompromising compression resistance for warmth and long use life
- Adjustable collar for reduced water entry and comfort
- Shoulder panel graphics for exceptional abrasion resistance



Roller Duffel™

Take the massive carrying ability of a duffel bag, add easy-access fin compartments, wheels, and a telescoping handle, and you've got the Roller Duffel.

- Large wheeled duffel style bag with 2 position retractable handle
- Ballistic nylon construction with reinforced wear areas
- Self-healing YKK zippers with pull tabs
- Large zippered compartment with oversized fin pockets
- Spacious built-in dry compartment
- Dimensions: 30" x 15" x 15"



Gear Bags

Roller™

The Roller features everything you need for trips of any length: durable all-terrain wheels, retractable handle, removable Regulator Bag, full padding, and secondary external access compartments for quick storage when you're short on time.

- All-terrain wheels are ultra-durable and make short, smooth work of stairs, curbs, and other obstacles
- Ballistic nylon construction with reinforced wear areas
- 2-Position Telescoping Handle zips away when not in use
- Large self-healing YKK zippers with pull tabs
- Internal compartments protect and organize smaller items
- Includes Regulator Bag
- Dimensions: 26" x 22" x 13"



Deluxe Regulator Bag™

The perfect bag to transport and store your most valuable piece of equipment. The unique round shape allows the regulator to be stored in a gently rolled position, the best way to store a diving regulator to prevent stress on the hoses.

- Includes removable shoulder strap and luggage tag
- Exterior pocket
- Dimensions: 5" x 11"



Regulator Bag™

The lightest, most efficient way to keep your breathing system safe.

- Includes padded instrument sleeve
- Dimensions: 12" x 12" x 4"

Nomad Wheeled Carry-On™

In response to tightening airline restrictions, AERIS developed the ultimate carry-on bag and travel scuba system to go with it. Including the Reef Rider BC with Air Link Octo, AT400 Pro Regulator, Epic Wristwatch, Rio .5 Wetsuit, and Velocity FF Fins, the system weighs in at just over 20 lbs., including the bag! Sling it over your shoulder or pull it behind you on your way to paradise.

- Carry-on a full set of warm water gear
- All-terrain wheels are ultra-durable and make easy work of stairs, curbs and other obstacles
- Fin cinch-down straps accommodate full-foot or adjustable fins
- Hide-away backpack straps
- Telescoping handle zips away when not in use
- Rubberized carrying handle
- Luggage tag
- External organizer pocket ideal for travel documents
- Dimensions: 20" x 18" x 10"



Mesh Backpack™

Use this durable waterproof mesh bag for easy transport to the dive site or boat and storage between dive days. Ready to rinse your gear after a day of diving? Simply drop the entire bag in the rinse tank and hang it up to dry.

- Mesh construction is lightweight, and allows easy gear rinsing and drying
- Backpack features padded shoulder straps and drawstring closure
- Internal semi-dry pocket
- Dimensions: 26" x 7" x 11"



Accessories



Voyager DPV

Discover the thrill of cruising from reef to reef, dive site to dive site, on your own Voyager Vehicle. Diving with an underwater vehicle minimizes exertion and can extend your dive time. An optional cruise seat further reduces any effort on your part, while you enjoy the ride. The Voyager's 9-pitch position propeller gives you the ability to adjust speed and run time to match your diving needs.

- Up to 2-hour run time
- Variable pitch propeller, which can easily be set to any one of nine pitch positions, resulting in a choice of improved thrust and speed or extended runtime
- Control the direction with just a gentle movement of the arms.
- Green, yellow and red LED battery indicator
- Rechargeable battery with quick charge option between dives or a longer, deeper charge can be gained overnight
- Includes battery and charger



Vision 4C Light

Small and lightweight, the Vision 4C is a high-intensity waterproof light perfect for your BC pocket, dive bag, boat, car, or tent. It packs a powerful punch with just four included C alkaline cells.

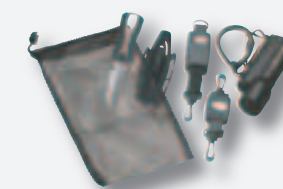
- High intensity Halogen bulb
- Trigger lock ensures the light won't accidentally turn on
- Double o-ring seal waterproof to 200 feet
- Batteries and wrist lanyard included



Silver Jack BC Knife

Designed to mount on an AERIS BC, the Silver Jack BC Knife is a compact solution perfectly suited to the streamlined diver. Comes with BC mounting kit.

- Solid 304 stain less steel blades feature razor-sharp smooth and serrated cutting surfaces
- Line cutter and metal butt for signaling
- Available in a sharp or blunt tip
- Compact quick-release sheath features a one-hand release



BC Accessory Kit

Our BC Accessory Pack includes a Silver Jack BC Knife, Vision 4C hand light, two retractors, and a convenient mesh carry bag



Clothing

Hats and T-shirts to show your AERIS style and great taste in dive equipment.



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