Before Atomic,
there was no
"Best"
in scuba diving.

ATOMIC
AQUATICS

PRODUCT DESIGN COMPENDIUM

ATOMIC AQUATICS

PASSION

to establish a higher standard and
set a new benchmark in diving equipment

PRECISION

to craft distinctive first-in-category products from
the finest materials and manufacturing processes

PERFORMANCE

to deliver a superior experience and
unwavering reliability for Atomic Aquatics divers

ATOMIC AQUATICS: Born of Passion

Why be anything but the best?

There had to be a better way. When Atomic Aquatics was born over 12 years ago, it was a deep-seated passion for diving that compelled us...

A passion to set new standards of exellence and innovation

A passion for superior materials and manufacturing precision

A passion to simplify and enhance the diving experience

The ATOMIC AQUATICS Legend Begins

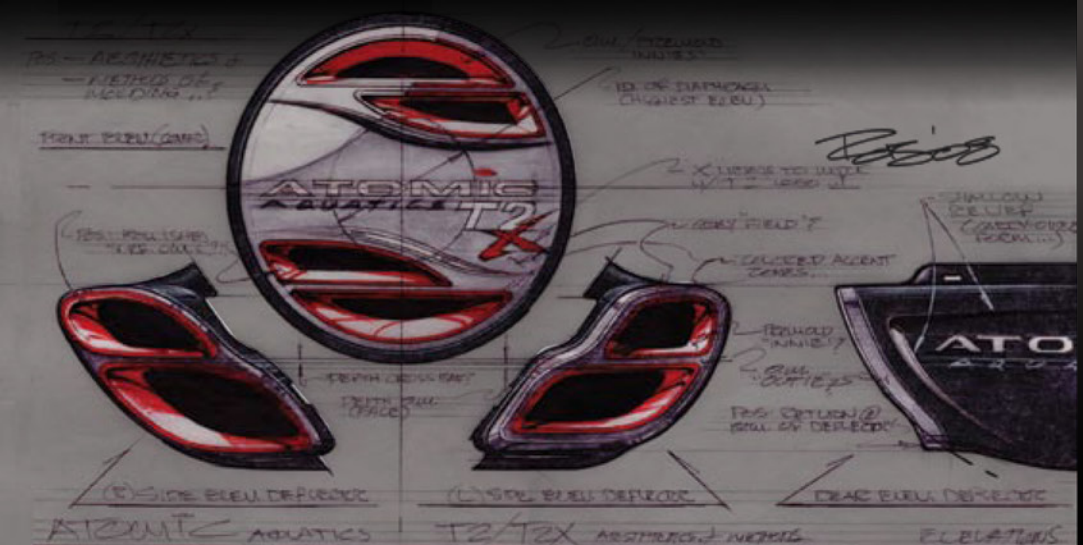
Divers should enjoy a worry-free experience

Atomic Aquatics founders Dean Garraffa and Doug Toth had already forged a reputation as discerning, demanding designers of innovative diving equipment since 1976. After generating numerous groundbreaking patents for a major manufacturer, they established Atomic Aquatics in 1995 and embarked on a mission to create diving equipment of the highest caliber.

Atomic Designs Are Radical And Respected

Thankfully, they never took away our colored markers

Atomic designs attract admiring glances...and international awards. We start by identifying a diver's needs and desires. Then we engineer the technology, materials and ergonomics to achieve maximum performance. Our design philosophy moves freely between pencil sketches and advanced CAD technology to achieve a superior product. Atomic designs have been recognized by numerous industrial design juries, including the prestigious international Red Dot Awards.



Dean Garraffa

Atomic Aquatics Co-Founder

"From the beginning, we have dedicated all of our design, engineering and manufacturing processes to achieve a single overriding goal – to simply be the best and deliver the best diving experience for Atomic divers."

Doug Toth

Atomic Aquatics Co-Founder

"Every product we create is a reflection of our personal philosophy. We look at all the details and re-think every feature from the ground up. If there is a way to improve a product to enhance the diving experience, we will find it."

ATOMIC AQUATICS

It Really Is Rocket Science

Groundbreaking "firsts" require new thinking

After developing the world's first all-Titanium regulator, we were faced with a unique problem, what could we do for act two? The success of the Atomic T1 confirmed that divers want products born from new thinking. They embrace new materials and designs and realize the benefits of improved performance. So we launched an aggressive R&D program to seek materials and employ new designs that enhance the diving experience for divers of every skill level.

The Atomic DNA starts with the metals

Every Atomic product design starts with the careful selection of the perfect material. We don't let cost or manufacturing difficulty limit us. The number one priority is choosing the right metal to deliver the best diving performance. In many cases, this requires the development of new manufacturing processes never before utilized in the scuba industry.

It's All About Titanium

Titanium is the perfect material for the ocean environment.

Titanium is strong as steel, yet half the weight. Titanium is inert in sea water while steel rusts, unprotected brass turns green and corrodes, and aluminum pits. Even though Titanium is a very exotic, expensive and difficult metal to fabricate, Atomic developed cost-effective processes. Now divers benefit with a lightweight, high-performance, low-maintenance diving experience.

It's Elemental…

The diver's guide to Atomic metallurgy for performance and durability

What's an Alloy? An alloy is a combination of two or more metal elements that results in a new specialty metal with enhanced physical and mechanical properties. Why are Atomic Aquatics alloys better? Our engineers carefully choose metals to provide a superior level of diving performance, minimal maintenance, and greater product longevity. How do divers select the Atomic metal that's right for them? Atomic Aquatics regulators offer a choice of specialty metal alloys designed to suit your diving style and affordability level. On the following pages, you will see detailed specifications and diving applications for each Atomic regulator model. The letter in the name of our regulators stands for the main metal featured in the product:

T2 *– Titanium*
M1 *– Monel*
B2 *– Brass*
ST1 *– Stainless Steel/ Titanium*
Z2 *– Zirconium*

Titanium

Alloy Ti-6AL-4V

Titanium-Aluminum-Vanadium

Titanium is the most elite metal for diving regulators. The Atomic Titanium alloy is our signature metal and established the cornerstone for every product design that followed. It delivers extraordinary strength, is very lightweight, and is highly corrosion-resistant. Atomic Titanium alloy gives divers superior corrosion-resistance and is able to survive 300 years in sea water without showing a hint of corrosion. Our Titanium components are precision-machined with a machine-turned finish that does not require plating.

Monel

Alloy R405

Nickel-Copper

Monel was developed specifically for marine environments. The Atomic Monel alloy is as strong as steel with excellent corrosion resistance in sea water. The properties of Monel make it the best metal choice for components subject to flammability in oxygen-enriched compressed air such as Nitrox. This enables the Atomic M1 Regulator to accommodate oxygen mixes up to 80% when special guidelines are followed. Monel does not require plating.

Zirconium

ZrN "Nitride" PVD Coating

Atomic Zirconium Nitride is a highly corrosion resistant and super hard metal used as a protective layer over chrome-plated Brass components in the Z2 Regulator. In our PVD (physical vapor deposition) process, Zirconium Nitride coating is vacuum-chamber deposited over type 3 chrome-plated Brass. The result is an exponential improvement in corrosion resistance over conventional chrome plating. Adding Nitride during the PVD process improves hardness and changes the normally gray metal to a bright yellow-gold color.

316 Stainless Steel

Alloy Grade 316

Iron-Chromium-Nickel

The Atomic ST1 Regulator is built from 316 SS to offer divers an environmentally-conscious metal choice. Stainless Steel is a high-strength and corrosion-resistant metal that has a beautiful silver machine-turned finish. The process for manufacturing SS is the most environmentally friendly and the metal is 100% recyclable. This stainless steel alloy does not require plating to protect, and is nearly as resistant to sea water corrosion as Titanium.

Chrome-Plated Brass

Alloy Grade C36000

Copper-Zinc

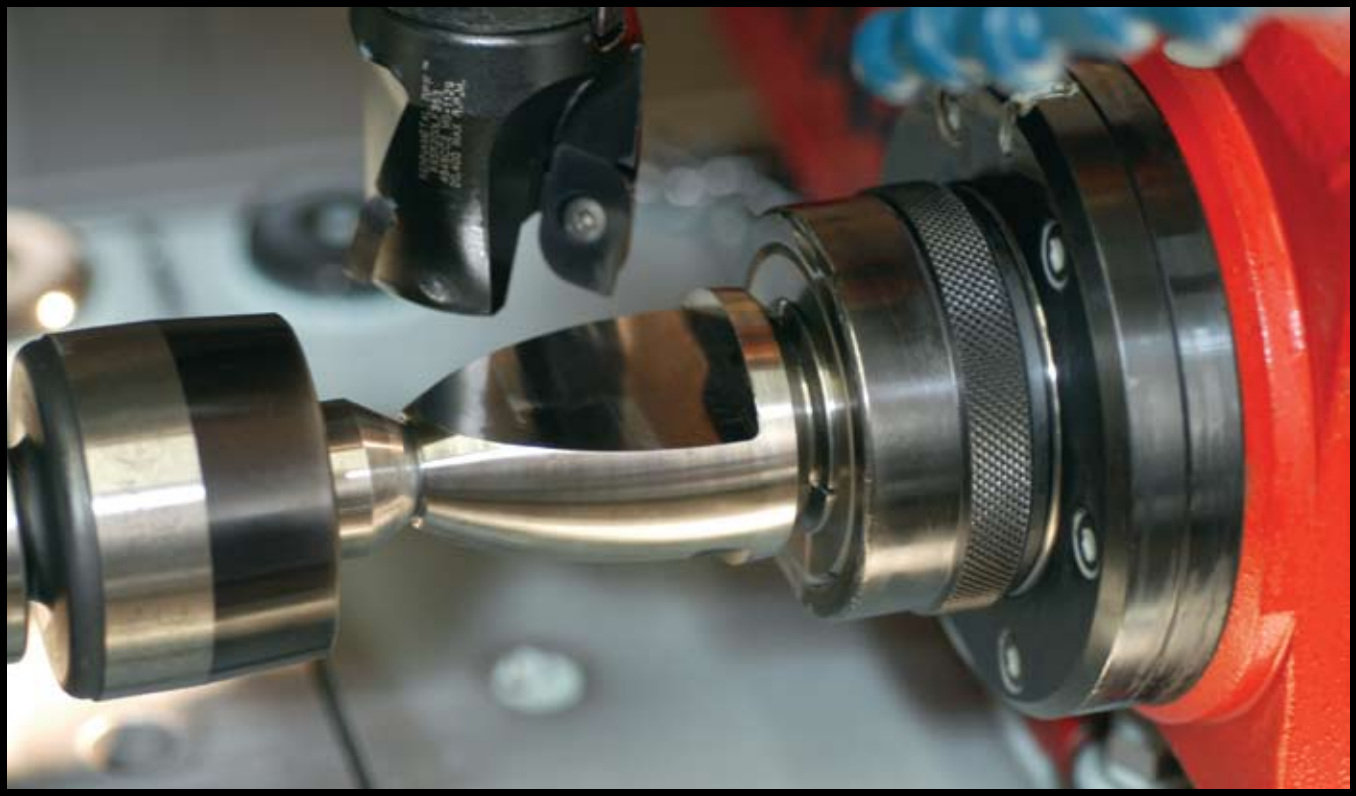
Atomic utilizes C36000 Brass to offer divers the option for a cost-effective and highly corrosion-resistant metal. Yet, all Brasses are not the same. This is the best alloy for our applications. Atomic also developed a more resilient Type 3 Copper, Nickel and decorative Chrome plating to protect the Brass from tarnishing.

Which would you rather breathe through?

A Competitor's Brass Tube

Atomic Aquatics Titanium Tube

This is an actual photo showing the corrosive effects of sea water on regulator breathing inlet tubes following a six-month continuous exposure "soak" test. A competitor's conventional brass tube (top) simply cannot compete with the Atomic Titanium breathing tube (bottom) which shows no corrosion. Even an Atomic Brass breathing tube is Zirconium-plated and would not experience the level of corrosion of the competition.



We Sweat The Details For You

Engineering a worry-free experience for divers

Innovative design and the finest materials mean nothing if they don't result in a superior product and performance. This obsession with performance requires intelligent design, expert engineering and precise manufacturing. From the beginning, Atomic adopted the philosophy of being a uniquely USA (specifically California-based) manufacturer to achieve the highest possible level of engineering and unprecedented quality control.

Atomic Aquatics established Atomica R&D, our own private manufacturing facility, located in the hotbed of leading-edge Southern California aerospace and technology firms. Atomica proudly follows California's strict environmental and recycling standards to produce high-performance dive equipment. While others outsource to third-world countries, Atomic's critical components are produced and assembled here under our stringent criteria.

Atomic Aquatics owns Atomica, our exclusive, proprietary R&D and manufacturing facility. Atomica gives us complete quality control for critical components.

Atomica CNC machines are selected to be the best at the functions they perform. A Titanium first stage body is machined with 23 precision operations in one session.

Proud To Be Control Freaks

Every detail and process is right under our watchful eye

The only way to have absolute control over the quality of your products is to do your own manufacturing. That's why Atomic Aquatics made the strategic decision to invest in state-of-the art computer aided design and CNC milling machines housed in our own facilities. Then we hired some of the best experts in the industry to design revolutionary manufacturing techniques perfectly suited to the capabilities of the machines. These specialized CNC machines produce precision-tolerance parts from exotic metals that would have been impossible to make just a few years ago. Atomica is widely regarded as one of the most innovative and experienced facilities in the USA for machining exotic materials such as Titanium, Monel and Stainless Steel. Others may save a few dollars by outsourcing, but Atomica allows us to insure quality, maintain control and keep our resources close to home... under our watchful eyes.

Atomica R&D: *Precise & Efficient*

In addition to control, an important benefit of owning our manufacturing facility is the latitude to develop more precise yet efficient processes. At Atomica, each Titanium first-stage regulator body is machined from a solid bar of Titanium with 23 different machine operations performed in one continuous session.

Atomica R&D: *Exponential QC*

At Atomica, thousands of different manufacturing procedures are performed to produce seven models of Atomic regulators. Each procedure is carefully monitored and quality-controlled to ensure accuracy. This in-house approach reduces reliance on outside vendors resulting in a superior level of QC. Additionally, Atomica does no manufacturing for other companies, keeping sole focus on Atomic products.

Atomica R&D: *Innovation At Play*

Possibly our favorite aspect of Atomica is the laboratory playground it provides us to test new designs and concepts. Innovation is constant at Atomic Aquatics and the ability to fabricate near-final prototypes results in a more refined final product. Atomic has such a strong passion for innovation, we have taken great strides to reduce obstacles that often impede the design process, such as reliance on outside sources.

The Best Is Yet To Come

Tomorrow is our favorite day of the week

Every year since 1995, Atomic Aquatics has added a new and often revolutionary product to our line. Right now, divers and industry experts regard Atomic products as the best in the world in every category. We only add a new product when it is ready...and "ready" means when it is better than what anyone else has to offer. Our growth has been paced and consistent – one award-winning product at a time.

This Swiss-style CNC machine is well known for its high-precision ability in making small parts. such as those used in watchmaking.

The Atomica mill-turn (MT) machine makes a completed part utilizing numerous operations in a single session.

Putting It All Together

Ensuring dive performance is our single focus

Exotic high-performance materials, award-winning ergonomic design, and precision machining...all count for nothing without careful assembly and testing. Every ingredient of an Atomic product is engineered to deliver performance and longevity for divers. You can be assured that we are just as diligent and quality-conscious in the assembly phase. And to check our own work, we inspect and test every regulator before it leaves our factory.

Every Atomic regulator is stringently tested on a breathing machine to a simulated diving depth of 165 feet.

Do I really need a regulator that can perform to a depth beyond 300 feet?

YES. We design our regulators to perform as deep as possible while maintaining breathing stability. Our regulators deliver stable breathing below 300 feet, even though safe sport diving limits are 130 feet. Atomic designs and tests our regulators to depths beyond sport diving limits to provide you an extra margin of safety. You will never feel excessive breathing resistance at any breathing rate or well below sport diving depths.

Why Is White-Room-Clean Assembly Important?

We never forget we are making life support equipment. Our assembly technicians build each regulator one at a time. We hand assemble every regulator in a white room-clean environment. Each regulator is then final tested to a depth of 165 feet under simulated diving conditions conducted in one of our computerized breathing simulators.

Comprehensive testing records are maintained for each Atomic regulator and can be referenced by serial number if ever needed.

Atomic Regs Are Designed & Tested For Nitrox Diving

Every Atomic reg model is carefully lab tested and approved as safe for EAN mixtures

Atomic Aquatics has diligently designed our regulator models for virtually any diving scenario in which Enriched Air Nitrox (EAN) can be safely used. Our regs have been independently lab tested to meet the stringent ASTM G-175 requirements for positive ignition testing. The test is based on trying to start an ignition or fire inside the regulator by using an ignition "pill." The pill is designed to burn like a fuse on a firecracker and releases flaming particles inside the regulator. In a reg that is properly designed for Nitrox, the fire from the pill will not damage or excessively burn any internal regulator component part. Each Atomic reg model has been tested and passed the ASTM G-175 requirement before we certify it as SAFE for EAN.

Please select from the following guidelines to choose the Atomic reg model that is approved as SAFE for your EAN mixture.

Atomic T2

The T2 is factory approved for Nitrox up to 40% but should be dedicated for Nitrox use unless you are certain both your air and EAN mixtures comply with minimum dive industry purity standards.

NEW Atomic T2X Titanium (Available early 2009)

This new flagship model is approved as SAFE for Non-dedicated EAN up to 40% O2.

Atomic ST1/B2/Z2

SAFE for Non-dedicated EAN up to 40% O_2

These Atomic models may be used interchangeably with compressed air or EAN mixtures up to 40% Oxygen at 3500 psi maximum.

Special Nitrox Diving

Atomic M1

SAFE for dedicated EAN up to 80% O_2
SAFE for non-dedicated EAN up to 50% O_2

The Atomic M1 model is designed to handle special Nitrox diving mixtures up to 80% Oxygen on a strictly dedicated basis. When used with high-precentage EAN mixtures, the M1 must not exceed 80% Oxygen at 3000 psi maximum and must be kept in an Oxygen-clean condition. The M1 may be used interchangeably with compressed air or EAN mixtures up to 50% Oxygen at 3500 psi maximum. The M1 is the best choice if you dive in areas where clean air standards are uncertain.

The most courageous warranty in diving

Dive two years or 300 dives without required servicing. Our Limited Lifetime Warranty is not contingent on proof of annual service.

Think about 300 dives...how long would that take you?

It takes real confidence to stand behind a product with this kind of warranty...and without proof of annual servicing! We want Atomic divers to feel confident as well. Confident that your regulator is designed to perform flawlessly for up to 300 dives. Confident that you will be able to dive even in places so remote that you might not find a hot meal, much less a competent repair station. That's why every Atomic Aquatics regulator is built using materials and processes that resist corrosion and minimize maintenance – so you can log lots of dives over a long time with supreme confidence.

The Industry's Best Warranty

Another compelling reason to buy Atomic

The Atomic Aquatics Worldwide Limited Lifetime Warranty gives divers more freedom than any other scuba manufacturer. Our 2-Year/300 Dive Hours warranty is designed to remove the burden of annual servicing and alleviate the worry of corrosion affecting performance. Every Atomic regulator model is engineered from the ground up to meet or exceed our generous service interval. Even though Atomic regulators are built to ensure performance in the most exotic locations, if you do need service you can get it. Atomic is truly a worldwide company with authorized service stations around the globe.

Here's why Atomic Aquatics regulators can go two years between servicing... and others only one year

Titanium & Corrosion-Resistant Materials

The corrosive effect of ocean water is the primary reason most regulators require annual service. However, Atomic uses Titanium and other corrosion-resistant materials to virtually eliminate deterioration and the subsequent degradation of performance.

Second Stage Seat Saving Orifice

Our patented Seat Saving Dynamic Orifice design prolongs the life of the low-pressure poppet seat to maintain the crisp "like new" factory tuning and prevent the second stage from leaking between servicing. This exclusive Atomic patented design allows the seat and orifice to make contact only when the regulator is pressurized. When not in use, the orifice automatically retracts away from the seat to prevent damage during storage.

Jet Seat Piston First-Stage

Even though the Atomic warranty specifies 300 dive hours, the exclusive design of the our Jet Seat piston first-stage and high-pressure seat can actually handle thousands of dives without becoming damaged.

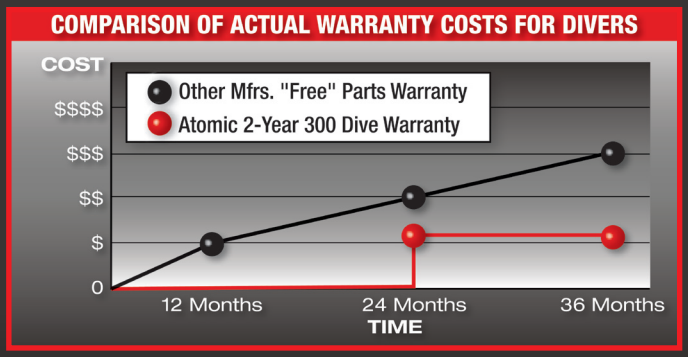
These are just a few examples of our durability. Think of "300 dives" and how most divers may go years before hitting that mark. No other company can offer this kind of warranty, making maintenance easier and less costly over the years of Atomic ownership.

Compare Atomic's Warranty to "Free Parts Warranties"

The Expensive Truth About "Free Parts Warranties" ...

and why Atomic is more diver-friendly

Some competitors offer limited lifetime warranties that include lifetime "free parts" for the annual overhaul. This is simply a marketing technique intended to make a new diver believe they will save money on annual service costs. However, the biggest single factor in any regulator service is the "labor cost" which is not covered under a free parts warranty or any other regulator warranty. Contrary to the claim, a free-parts warranty may actually cost you double the repair costs compared to our warranty. Sometimes the small print in others warranty language stipulates that a major service must be performed every year with written proof of the service within a 30-day window or the lifetime free parts warranty is revoked. Our "Two-Year/300-Dive Warranty" is not contingent on proof of annual service. Atomic



Aquatics regulators are designed to save you time and money by not requiring a yearly visit to a technician for service. At Atomic Aquatics, we believe other warranties have too many exclusions and restrictions to be truly beneficial to a diver. Consider the chart above which compares a typical three-year regulator service cost period.

Tremendous effort
goes into making
a regulator perform

effortlessly


ATOMIC
AQUATICS
T2

Atomic: The Best Regulators Ever Designed

How materials and passion come together for perfect dives

At Atomic, we sometimes feel like a symphony conductor – bringing together exotic materials, groundbreaking design, and superior manufacturing in perfect harmony. The result is our signature line of regulators that are widely considered the finest ever designed by independent reviewers and passionate divers across the globe. So how do we do it? There are no real secrets here...we are an open book and want you to see for yourself why Atomic regulators are the finest ever to submerge. No other company has the courage or determination to put all these elements together as we have. Take a look...

"Compromise" Is A Word We Don't Know

Titanium is uncompromising...and nobody uses it like Atomic

There is simply no better material for the ocean environment than Titanium. A Titanium regulator part could actually survive beneath the sea for centuries without a trace of corrosion. Atomic heavily invested in the people, machinery and time needed to develop new fabrication techniques at our own USA R&D facilities. If you see other companies claiming "Titanium" regulators, closely investigate. They do not employ these materials as thoroughly or effectively as Atomic Aquatics. You will see on the following pages exactly which parts in every Atomic regulator are machined from Titanium and why they excel.

Atomic wins the regulator trifecta: natural performance – low maintenance – stunning appearance

The ultimate test of any regulator is how it breathes. Atomic Aquatics designed "natural breathing" into every regulator model, regardless of materials or price. Just because we design a regulator using different materials to achieve a lower price-point, does not mean we compromise on performance. Every review or independent test an Atomic regulator has been involved in has concluded with a top ranking. Superior performance is inherent in every Atomic model at any dive depth or breathing rate. Our use of corrosion-resistant materials also results in much lower maintenance requirements for divers. We stand behind this claim with our 2-Year/300 Dive Warranty (see details on pages 10-11). Finally, beautiful appearance is an Atomic imperative. Every time you pull your Atomic reg from its bag, you will be proud of its technologically-superb appearance...and other divers may take an envious glance. Our plating processes and machine-turned finishes produce an immediately recognizable distinction.

Why Divers Choose Atomic

Buying your regulator is your most important decision

Atomic is the intelligent choice. After all, the regulator is the single most important piece of diving gear. It is your lifeline and must be safe, reliable, and deliver the highest level of breathing performance for years. Numerous independent test reviews have ranked Atomic as the top choice every year since our products entered the market. We encourage you to read as many reviews as possible and you will understand why Atomic Aquatics is the only brand to own.

Here are some important answers to frequent questions regarding Atomic regulators...

What is "Natural Breathing?"

Atomic Aquatics has achieved what no other manufacturer has in a high-performance regulator – Natural Breathing. All Atomic regulators breathe with a natural and controlled air delivery sensation at any depth or breathing rate. Inhalation on the surface will feel the same as it does during your deepest dive. This is in part due to the AFC (Automatic Flow Control) employed in our second stages. This patented innovation is a simple device that adjusts the airflow automatically to compensate for the effects of depth. Atomic Aquatics regulators are the smoothest breathing regulators available...period.

What Are The Diving Benefits of Titanium?

First, it is unbelievably lightweight which reduces stress during your dive and makes it a perfect travel regulator. Second, Titanium has no equal for corrosion resistance which means more safety, reliability and repeatable performance. And finally, its beautiful appearance stands apart from any other regulator.

Unparalleled light weight means less stress

In our mission to invigorate the diving experience, the first priority is on reducing stress – travel stress, gearing-up stress, jaw-clinch stress. The best way is to use the lightest material possible. But light weight must never compromise strength or durability. Titanium is the perfect solution. When you hold a Titanium Atomic regulator in your hand, you immediately realize the difference from other regulators. That means less stress for you from packing your gear bag, to donning, to even the final minutes of a long dive.

ATOMIC AQUATICS

Great Dives Start Here

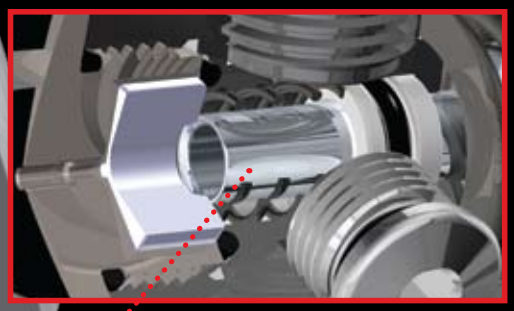
You know the moment you mount it on the tank

How can simply turning the tank valve and pressurizing the first stage of your new Atomic regulator be a life-changing experience? Atomic divers characterize it as “confidence.” They realize that a simple twist of the wrist energizes the finest piece of dive equipment made. They are confident that their Atomic regulator will perform perfectly – delivering the first easy, natural breath of their dive...every time they dive. That’s exactly what we expected when we crafted it for you.

Jet Seat Piston

Another Atomic Exclusive

Atomic designed the Jet Seat Piston to eliminate creeping intermediate pressures and minimize maintenance. This unique high-pressure piston seal system is leak-free and self-lubricating. The Atomic Jet Seat system has no sharp edges that can damage the seat over time, like most competitor's first stages. Instead, Atomic employs a conical seat and blunt-end piston. Our valve seats are precision machined from an extremely strong aerospace specification seat material. This design combination is the most reliable seat system in the industry and enables the seat to go 2-years or 300 dives without service. Diving performance is superior at even low tank pressure.



Titanium, SS or Brass... All Are Perfection

T2 First Stage Machined From Solid Bar Titanium

Perhaps by now you know how enthusiastic we are about Titanium. What you may not realize is that the Titanium T2 first stage is precision-machined from a solid piece of material requiring 23 individual operations. The 23 operations are performed in a single continuous milling session at our own Atomica manufacturing facility. That means each body is carefully and expertly crafted under our watchful eyes to conform to only the most exacting standards.

ST1 Stainless Steel "Environmental" First Stage

Beautifully machined from a special grade of solid 316 Stainless Steel, the Atomic ST1 is the world's first "Green" regulator. The ST1 has the same renowned ergonomics and easy breathing that's designed into all Atomic Aquatics regulators. Stainless steel has twice the strength of brass and is nearly as corrosion-resistant as Titanium. Yet the required resources, energy costs and environmental effects of manufacturing stainless steel give it a distinct ecological advantage over other metals.

B2 & Z2 Brass First Stages Affordable Peformance

We understood that not every diver could afford Titanium. Even though every Atomic regulator has all metal second stage components made of Titanium, we designed an affordable first stage using brass. The Atomic difference is the performance, reliable design, and the durable chrome-plating process we developed.

M1 Monel & Brass First Stage Nitrox Ready to 80%

Performance in extreme conditions requires extreme engineering. The Atomic M1 first stage utilizes Monel and Brass for factory-ready Nitrox mixtures to 50% or Oxygen mixes up to 80% when special guidelines are followed. The selection of Monel, which is widely used in marine applications, further demonstrates how adeptly Atomic chooses a material to perform a specific fuction required by divers.

Features of All Atomic Aquatics First Stages

- Compact size
- Large, balanced flow-through piston design for stable intermediate pressures and high performance at low tank pressures
- Exclusive high-pressure piston seal system is self-lubricating for low friction and low maintenance
- Service to 4350 psi (300 Bar) with optional DIN connection
- Optional environmental seal kit for freeze protection at low temperatures
- Nitrox EAN ready to 40% O_2 (M1: up to 80%) from the factory with no internal modifications needed
- CNC machined from solid bar material, the body maintains perfect alignment of the piston and seat to eliminate creeping intermediate pressure problems
- Two high-pressure and five low-pressure ports on swivel cap (T2/B2/ST1/M1)
- Two high-pressure and option of five low-pressure ports on swivel cap or seven low-pressure ports on fixed cap (Z2)
- All Atomic first and second stages are Made in USA with Limited Lifetime Warranty, and 2 year/300 dive service interval

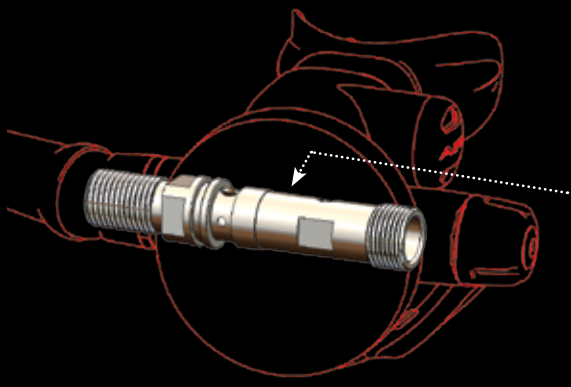
All Atomic Aquatics first stages are available in yoke or DIN versions.

The Most Personal Component

Your life depends on it with every "natural" breath

You need assurances about the part you put into your mouth – the single most important element of your diving system. Atomic second stages give you that assurance. The assurance of reliability with a low-maintenance design that is durable and does not require constant fine-tuning to perform perfectly. The assurance of easy and natural breathing at any depth. The assurance that corrosion of critical internal parts will not impair a single precious breath thanks to Titanium used in every Atomic second stage. Assurance is designed and built into each Atomic second stage you trustingly put into your mouth. So breathe easy...and have a great dive.

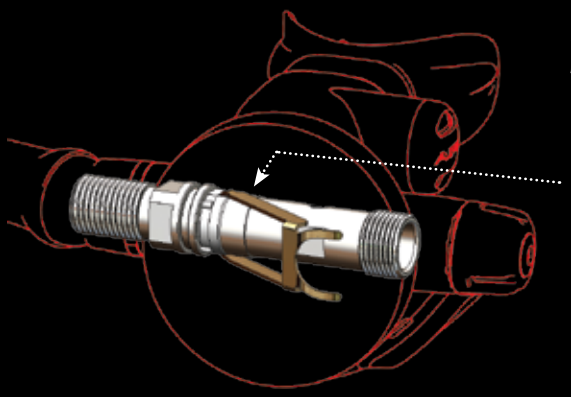
The Atomic Second Stage Is Our Signature Design Statement



Titanium Valve Body (T2/B2/ST1)

The foundation of any regulator second stage is the valve body, and nobody manufactures this crucial component to be as exacting and durable as Atomic. We machine our valve body from Ti-6 Al-4v solid Titanium on our very precise Swiss CNC machines. Because it's Titanium, it's very lightweight, and will last forever without showing a hint of corrosion (see the comparison photo on page 4). Performance of Titanium parts will never be altered by the effects of sea water.

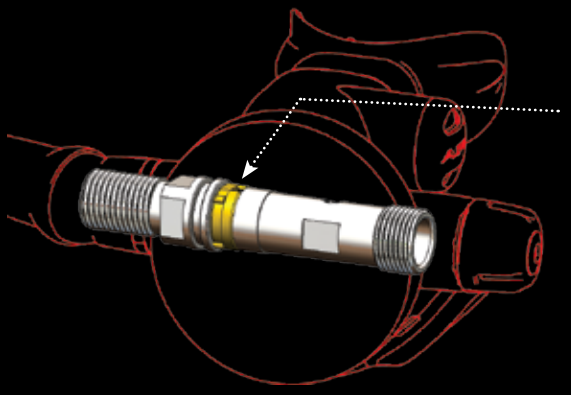
Competitors: *Some of our competitors use plastic for the regulator valve body. Plastic is not an optimum-performance material for this application. Even though it is less expensive, plastic can wear out or crack over time. Don't settle for a cost-cutting plastic part for this very critical part in your regulator.*



Titanium Demand Lever

The demand lever is the mechanical link to your breathing air supply. If it fails, air delivery stops. Because our demand lever is formed from a propriety Titanium alloy, our lever is immune from stress-induced fatigue or corrosion and breakage.

Competitors: *Our competitors use stainless steel demand levers that require yearly inspection and service for rust. Stainless steel is much cheaper than Titanium, but cannot compare to the superior corrosion-resistance of Titanium.*



Low-Friction Kevlar Pivot Sleeve

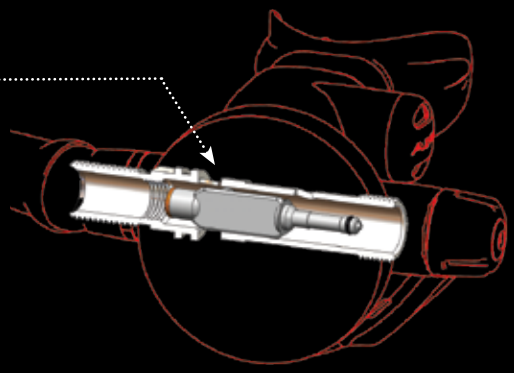
Since the Atomic Titanium demand lever pivots off the valve body, a low-friction material with exceptional wear resistance is required to prevent metal-to-metal contact that leads to galling. Our Kevlar sleeve material endures millions of smooth cycles without wear.

Competitors: *Most use softer grade plastics or metal to metal pivot parts that will eventually wear deep grooves causing the regulator to breathe harder and harder over time.*

Pneumatically-Balanced Poppet Second Stage

Breathe easier and deeper because of the pneumatically-balanced Poppet design. Having a balanced second stage means the diver will have the same low breathing effort regardless of how much air is remaining in the cylinder or any slight air pressure variation from the first stage.

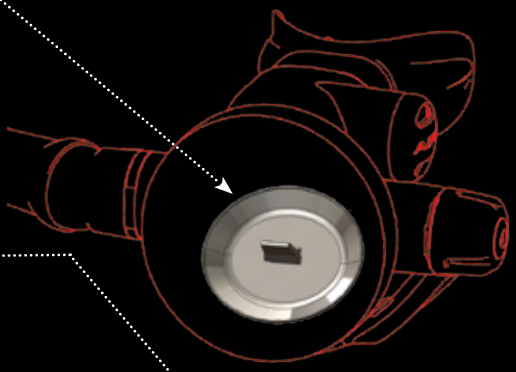
Competitors: *Balanced Poppets are the norm these days. If the second stage you are researching isn't a balanced design, the design is too outdated to consider buying.*



Elliptical Exhaust Valve

Atomic redesigned this very basic second stage component into a large elliptical shape molded from a highly-resilient special grade silicone rubber. The valve attaches to a high-flow support grid, resulting in a dramatic reduction in your exhalation effort at depth.

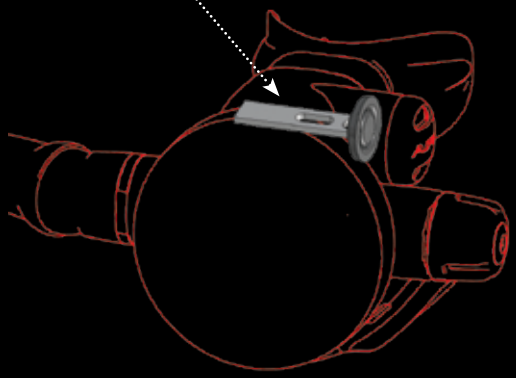
Competitors: *Other regulators are fitted with very outdated flat and round valve designs that date back to the sixties.*



Patented Atomic Automatic Flow Control (AFC)

The Atomic AFC is so advanced, we were granted a US patent for its design. The venturi effect inside a second stage makes it breathe easy, and the Atomic AFC eliminates the manual adjustment normally needed to regulate venturi effect as you dive deeper. No dials to turn or buttons to push – but we include a rapid adjustment knob for rare special situations. A computer-designed airfoil inside the mouthpiece is connected to a pressure-sensing diaphragm, allowing the airfoil to change position with response to depth. The AFC is the reason Atomic regulators breathe with a comfortable natural feeling at any depth.
(US Patent #5,678,541)

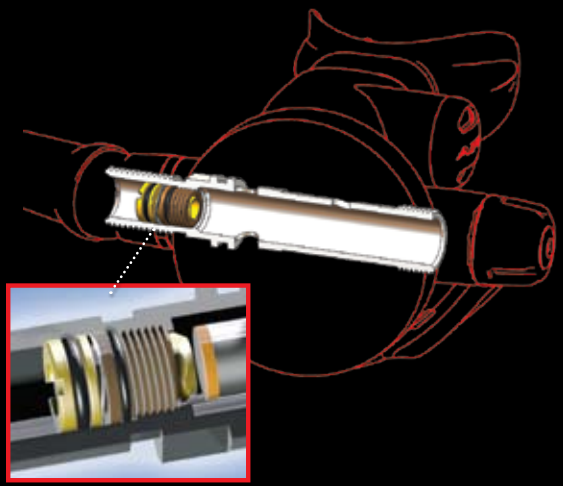
Competitors: *Others use a diver-controlled switch or dial to manually adjust the venturi effect inside the second stage as dive depth changes. This requires distracting thought and aggravation if you turn the dial the wrong way. The Atomic AFC lets you enjoy your dive...automatically.*



Atomic Patented Seat Saving Dynamic Orifice

Our Seat Saving Dynamic Orifice design prolongs the life of the low-pressure poppet seat to maintain the crisp "like new" factory tuning and prevent the second stage from leaking between servicing. This exclusive Atomic patented design allows the seat and orifice to make contact only when the regulator is pressurized. When not in use, the orifice automatically retracts away from the seat to prevent damage during storage.
(US Patent #5,803,703)

Competitors: *Our competitors would like to have this patented Atomic feature. One of the biggest problems with all standard second stages is the contact area between the sharp metal orifice and the soft rubber low-pressure seat. In these fixed orifice designs, the seat and orifice are pressed together by the demand lever spring during storage, resulting in a deep groove or cut in the seat. Over time, this can cause a second stage to develop a leak even if it hasn't been used. Others also use plastic or brass for their orifice – Atomic uses Titanium for longevity.*



Comfort Swivel

Perhaps one of the most admired features of Atomic second stages is the patented comfort swivel which allows 30° rotational movement without binding or kinking. See page 37 for full features and details of the comfort swivel. (US Patent #7,188,869)

Why Titanium?

Atomic Aquatics was the first to design and manufacture an all-Titanium diving regulator. This exotic metal was chosen for its absolute corrosion-resistance in ocean water, its strength, and its amazing light weight. Atomic developed and refined groundbreaking and cost efficient fabrication processes for Titanium to bring the T2 to divers who desire only the best.

"This sleek-looking super breather is the Ferrari of regulators..."

Scuba Diving magazine

2005 Best New Breathers - Scubalab, June 2005

The Finest Regulator Ever Designed

Divers and industry experts have verified that bold claim

The T2 is designed to be the highest performing, most corrosion resistant and best looking regulator on the market—PERIOD. The ultra-lightweight T2 is the perfect travel regulator, especially for remote diving destinations where every pound of excess baggage counts – and regulator repair is not an option.

First Stage:

- First stage components precision-machined from solid bar Titanium that is lightweight and corrosion-free
- Atomic Jet Seat high-flow piston first stage
- Freeze protected factory-sealed first stage also prevents contamination such as silt and sand
- Nitrox ready for dedicated EAN use with mixtures up to 40%
- New T2X for non-dedicated EAN use with mixtures up to 40% *(Available early 2009)*
- First stage ports: 2 HP fixed / 5 LP on swivel cap

Second Stage:

- Patented Atomic "Seat Saving" Orifice (Titanium)
- Patented Atomic Automatic Flow Control (AFC)
- Rapid adjustment knob for manual second stage de-tuning in special situations
- All-Titanium Atomic Comfort Swivel standard on all T2 regulators
- A new high-flow second stage case and magnum lever design that significantly lowers breathing effort at any depth from shallow water to beyond the limits
- Dual material second stage cover enables entire front to be used for purge
- Dual silicone comfort fit mouthpiece with tear-resistant bite tabs
- Metal-accented front cover ring, adjustment knob, and AFC cover
- Deluxe padded travel bag
- 2 year / 300 dive service interval
- Limited Lifetime Warranty – not contingent on proof of service

Combined Weight of the Atomic T2 First & Second Stage is UNDER 2 lbs.

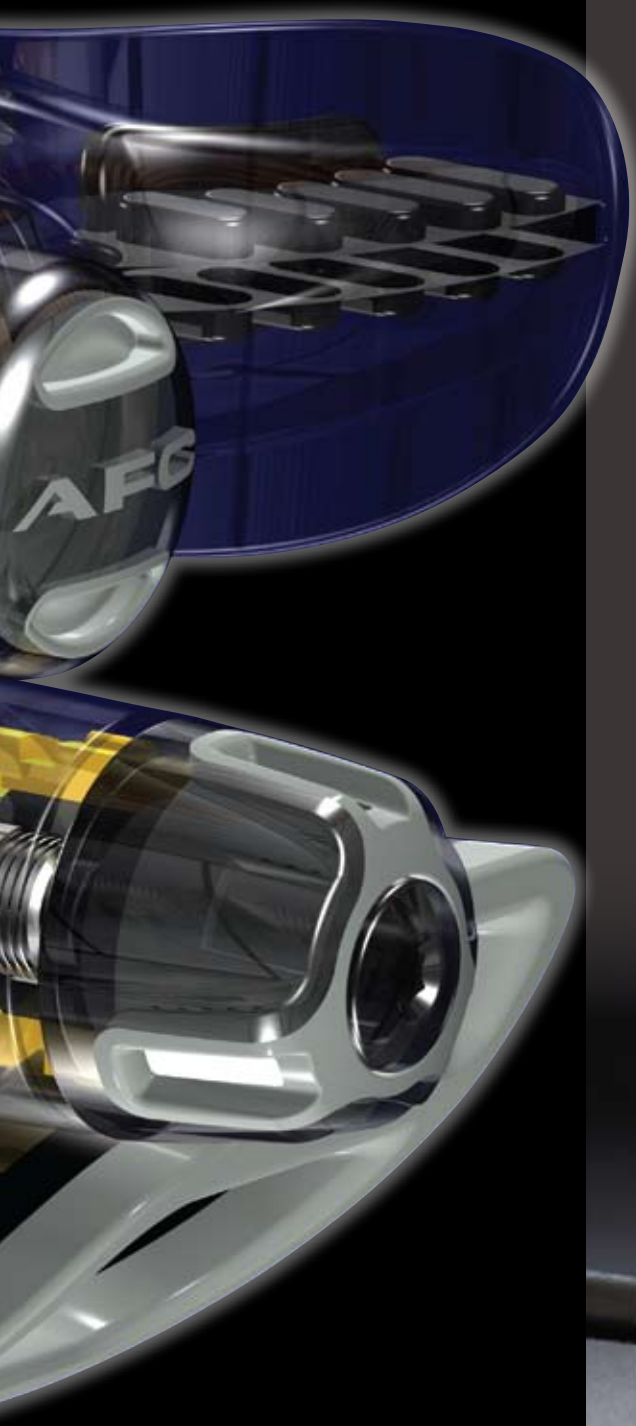
Why Stainless Steel & Titanium?

Stainless Steel delivers virtually the same corrosion resistance as Titanium at a lower price. Stainless Steel does not require protective chrome or nickel plating processes that can be harmful to the environment and is 100% recyclable. The ST1 second stage features all-Titanium components as in the T2 and B2 models.

"This reg also received the highest score for Ease of Breathing..."

Scuba Diving Magazine

12 New Regs - ScubaLab, July 2007



A Breath of Fresh Air

Environmentally conscious topside…
natural breathing at depth

The ST1 is another industry first from Atomic Aquatics. The first stage is beautifully machined from a special grade 316 Stainless Steel that is twice the strength of brass with corrosion-resistance approaching Titanium. The use of Stainless Steel means we are doing our part for clean air when divers are out of the water. The legendary Atomic design means divers also breathe easy at depth.

First Stage:

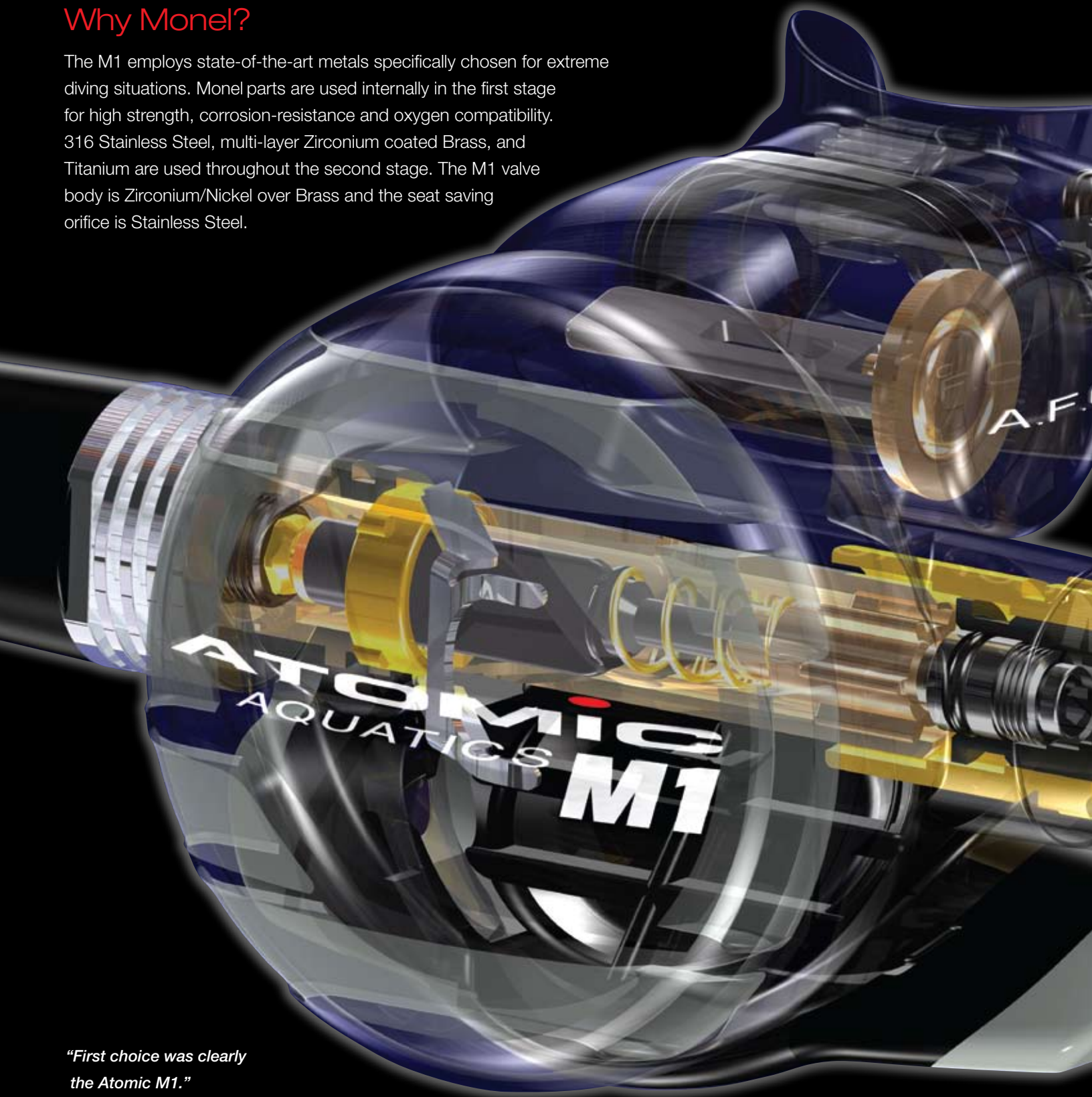
- First stage machined from solid 316 Stainless Steel
- Atomic Jet Seat high-flow piston first stage
- Freeze protected factory-sealed first stage also prevents contamination such as silt and sand
- Nitrox ready for mixtures up to 40%
- First stage ports: 2 HP fixed / 5 LP on swivel cap

Second Stage:

- All-Titanium second stage construction same as Atomic T2 and B2 models
- Patented Atomic Seat Saving Orifice (Titanium)
- Patented Atomic Automatic Flow Control (AFC)
- Rapid adjustment knob for manual second stage de-tuning in special situations
- All-stainless steel Atomic Comfort Swivel standard
- A new high-flow second stage case lowers breathing effort at any depth from shallow water to beyond the limits
- Dual material second stage cover enables entire front to be used for purge
- Dual silicone comfort fit mouthpiece with tear-resistant bite tabs
- 2 year / 300 dive service interval
- Limited Lifetime Warranty – not contingent on proof of service
- Wide exhaust deflector to disperse bubbles for enhanced visibility

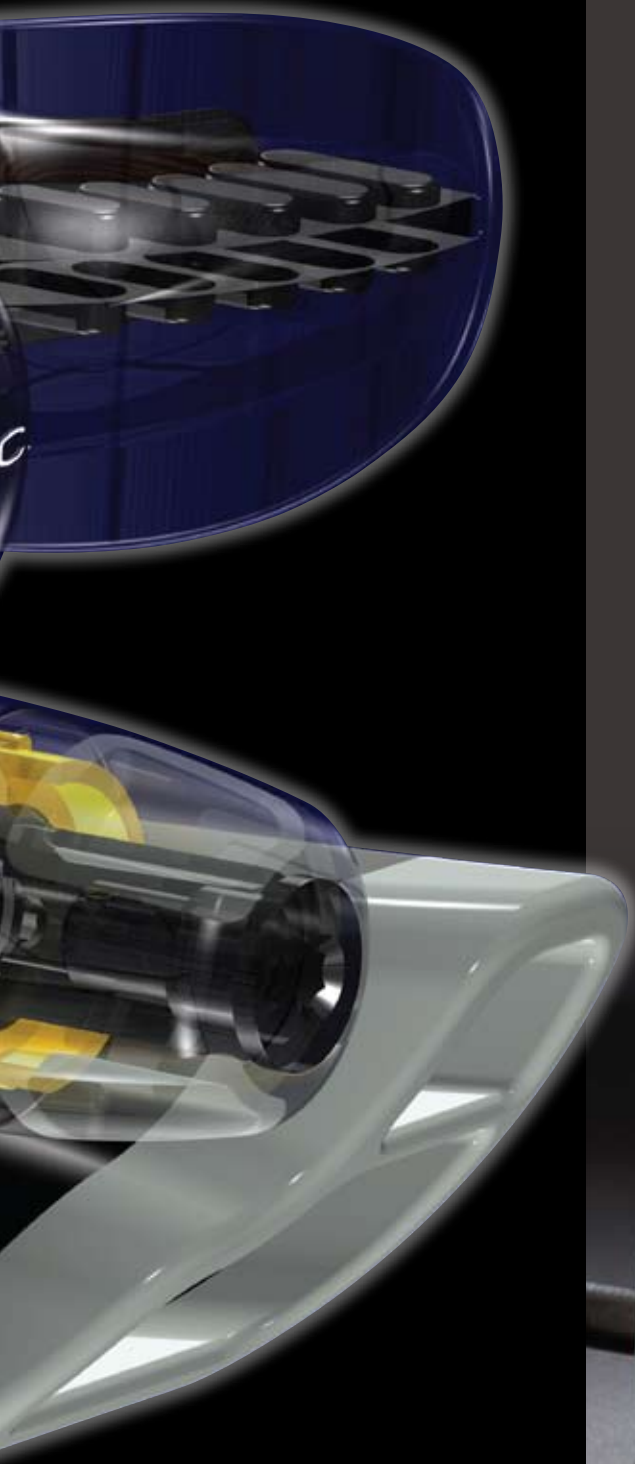
Why Monel?

The M1 employs state-of-the-art metals specifically chosen for extreme diving situations. Monel parts are used internally in the first stage for high strength, corrosion-resistance and oxygen compatibility. 316 Stainless Steel, multi-layer Zirconium coated Brass, and Titanium are used throughout the second stage. The M1 valve body is Zirconium/Nickel over Brass and the seat saving orifice is Stainless Steel.



"First choice was clearly the Atomic M1."

Diver magazine, UK
December 2002



Designed For Challenging Conditions

Engineered by Atomic for specialty diving – rec or tech

The M1 has an expanded performance range to meet almost any diving condition imaginable, whether Recreational or Technical. Accomplished specialty divers will appreciate this regulator designed to fulfill virtually any need or diving scenario. The M1 is built on the same platform as the world acclaimed T2 and B2 regulators.

First Stage:

- Factory ready for Nitrox to 50% or oxygen mixes to 80% when special guidelines are followed
- First stage materials are chrome plated Brass for the body and Monel for key internal components
- Atomic Jet Seat high-flow piston first stage
- Freeze protected factory-sealed first stage also prevents contamination such as silt and sand
- First stage ports: 2 HP fixed / 5 LP on swivel cap

Second Stage:

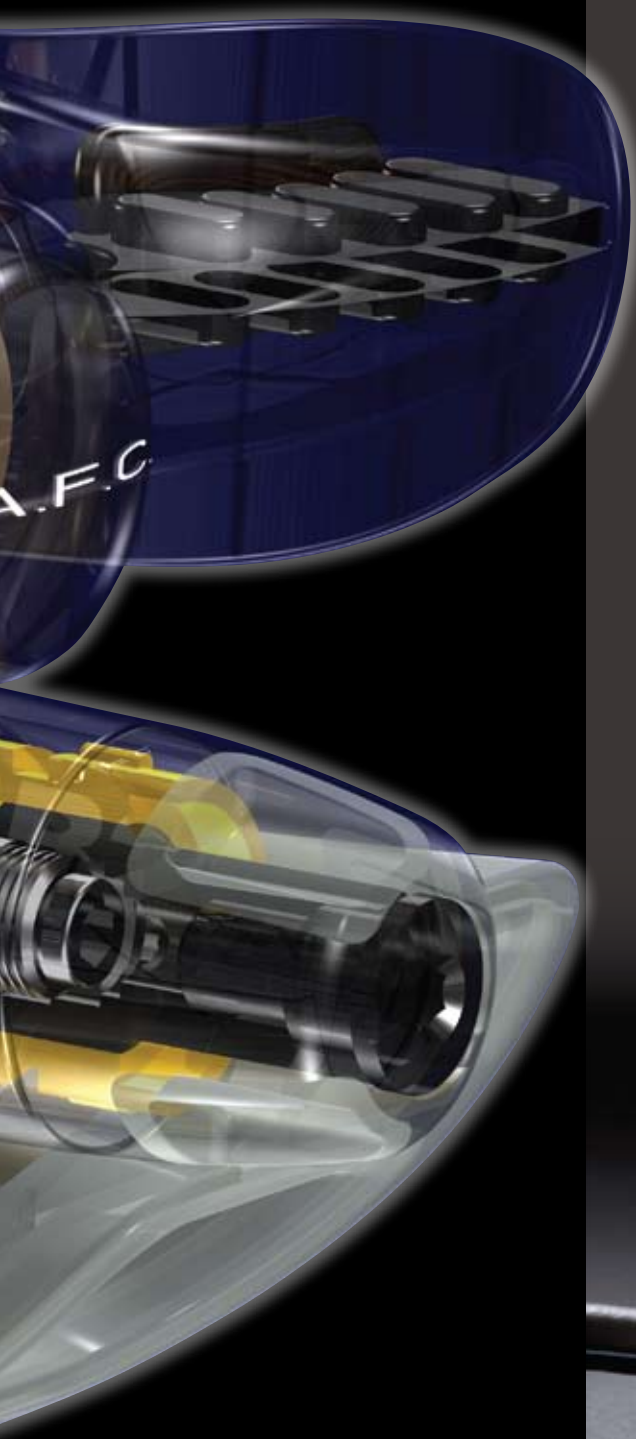
- Designed for cold water diving featuring thermal heat sink and improved super-dry exhaust valve
- Second stage components are made of precision machined Brass with Zirconium plating and Titanium
- Patented Atomic Seat Saving Orifice
- Patented Atomic Automatic Flow Control (AFC)
- A new high-flow second stage case lowers breathing effort at any depth from shallow water to beyond the limits
- Rapid adjustment knob for manual second stage de-tuning in special situations
- Surge protected second stage front cover for high current scenarios
- Super-wide exhaust deflector to disperse bubbles for enhanced visibility
- Dual silicone comfort fit mouthpiece with tear-resistant bite tabs
- 2 year/300 dive service interval
- Limited Lifetime Warranty – not contingent on proof of service

Why Brass & Titanium?

Even though the use of multi-layer chrome plated Brass for the body of the first stage is a more conventional material choice... the performance of the B2 is truly superior to any other rival. Atomic designed our signature breathing performance into the B2 to give a diver the perfect combination of comfort, style and value. The main design difference? The total weight of the B2 is only 9 ounces more than the T2.

"There were no sudden and dramatic rushes of air - it flowed. It was sublime."

Diver magazine, UK
Think Rolls and Buy Atomic - Diver Tests, April 2004



The Most Awarded Atomic Regulator

Virtually identical performance as the T2 with a Brass First Stage

The B2 gives divers an close alternative to the all-Titanium T2. The signature Atomic breathing performance is nearly identical. The B2 is ergonomically designed to be the world's most comfortable second stage just like the T2. The key difference is the chrome-plated Brass body of the B2 first stage, which is more economical without sacrificing performance. That's why the B2 has garnered more awards from independent tests and reviews than any other regulator on the market.

First Stage:

- First stage materials are chrome-plated Brass and 316 Stainless Steel
- Atomic Jet Seat high-flow piston first stage
- Optional factory-sealed first stage to prevent outside contamination such as silt and sand and prevent freezing
- Nitrox ready for mixtures up to 40%
- First stage ports: 2 HP fixed / 5 LP on swivel cap

Second Stage:

- All-Titanium second stage construction same as Atomic T2
- Patented Atomic Seat Saving Orifice
- Patented Atomic Automatic Flow Control (AFC)
- Rapid adjustment knob for manual second stage de-tuning in special situations
- Polished 316 Stainless Steel Atomic Comfort Swivel
- A new high-flow second stage case that significantly lowers breathing effort at any depth from shallow water to beyond the limits
- Dual material second stage cover enables entire front to be used for purge
- Dual silicone comfort fit mouthpiece with tear-resistant bite tabs
- 2 year/300 dive service interval
- Limited Lifetime Warranty – not contingent on proof of service
- Available in 3 colors as shown

Why Zirconium?

The “Z” designation is represented by the use of Zirconium as plating material for the precision machined Brass valve body. Atomic developed a Zirconium over Chrome over Brass plating process to deliver corrosion-resistance 3-4 times that of conventional chrome plating. The Z2 second stage lever, orifice and spring are Titanium.

“...the Z2 delivered perfect simulator scores.”

Scuba Diving magazine

Muscle Regs - ScubaLab, November 2005

Atomic Performance Plus Economy

Designing affordability doesn't mean using shortcuts

The Z2 is our most compact and economical regulator system. But its rare combination of performance, ergonomics and materials is unmatched by competitors at any price. The Z2 gives divers the assurance of the same Limited Lifetime Warranty as all Atomic regulators.

First Stage:

- First stage materials are chrome plated Brass and 316 Stainless Steel
- Atomic Jet Seat high-flow piston first stage
- Optional factory-sealed first stage to prevent outside contamination such as silt and sand
- Nitrox ready for mixtures up to 40%
- First stage ports available in two options:
  2 HP fixed / 5 LP on swivel cap
  2 HP fixed / 7 LP on fixed cap

Second Stage:

- Second stage components are made of precision machined Brass with Zirconium plating and Titanium
- Patented Atomic Seat Saving Orifice (Titanium)
- Patented Atomic Automatic Flow Control (AFC)
- Rapid adjustment knob for manual second stage de-tuning in special situations
- A new high-flow second stage case that significantly lowers breathing effort at any depth from shallow water to beyond the limits
- Dual material second stage cover enables entire front to be used for purge
- Dual silicone comfort fit mouthpiece with tear-resistant bite tabs
- 2 year/300 dive service interval
- Limited Lifetime Warranty – not contingent on proof of service

ATOMIC AQUATICS

Atomic Gives You Safe Options

Why scrimp on important "safety" life support?

It is called a "safe" second for a vital reason – it is intended to get a diver safely out of an emergency situation. Atomic Aquatics believes that safe seconds are just as important, if not more so, than your primary regulator. Although rarely used, in some ways it is your most important piece of equipment.

You may never need to use it, but it must perform flawlessly when you do turn to it. Are you using an old primary, a hand-me-down or buying a cheap second stage for your backup? In an emergency situation, your safe second should breathe just as easily and perform just as well as your primary. After all, you or your buddy could be panicked or stressed so why add to that by struggling for a breath from an inferior regulator. The quality of your safe second should be equal to your primary. If cost is your foremost consideration, it could turn out to be false economy if you are in a tight spot and your second does not perform due to misuse or neglect.

Why Atomic Designed Two Safe Options

SS1 Streamlines AND Performs

Reduce your rig by one hose with the high-performance Atomic SS1. Other combo BCD inflators/safe seconds are cumbersome and confusing. We took a different approach resulting in a solution that has received many accolades.

Octo Second Stage Clones

Atomic thoughtfully designed a family of octopus regulators to perfectly match each of our primary models. When you need to switch, you won't be able to tell the difference.

Here are some answers to help you decide which type of safe second is best suited to your diving needs...

Which type of safe second should I use – redundant second stage or integrated inflator/regulator?"

The preference is yours. If you are more comfortable with the traditional Octo or the more streamlined SS1, Atomic Aquatics offers the highest quality, full-featured safe seconds available. Either option is designed to breathe just as easily as our top-of-the-line primaries.

Is your diving purely recreational?

Want to streamline your system and eliminate extra hoses? The SS1 replaces your BC inflator and features a built-in high performance safe second combined into one compact unit. This option requires you to learn a different method for air-sharing, but can provide you with more control in emergency situations.

Are you training students or wreck/ cave diving?

Perhaps you just prefer a second stage dedicated for Octo use. All Atomic Aquatics second stage models (except T2) are available as dedicated safe seconds with high visibility yellow covers, extra length 36" hoses and can be fitted with the optional comfort swivel hose.

The SS1 For A Sleeker Profile

More convenience and easier swimming

The SS1 combines the functions of the inflator and octopus regulator into a single unit. This reduces the overall bulk and weight of your dive gear; eliminates hoses, and places your back-up regulator in a fixed, familiar location. This time proven concept is a convenient and efficient alternative to the dedicated octopus second stage.

The SS1 Concept

Divers have been using this type of combination Inflator/Regulator now for almost twenty years, and the concept has proven itself a convenient and effective alternative to the dedicated octopus second stage. There are advantages and disadvantages to both systems that should be reviewed carefully before making your buying decision. The biggest advantage of the SS1 design is the streamlined effect of eliminating a hose and a larger Octo. Another advantage lies in the high-performance design of the SS1 to breathe as easily as all other Atomic regulators and enable intuitive operation for buoyancy control. Other combination units on the market simply cannot match the design and performance of the SS1.

The SS1 Advantages

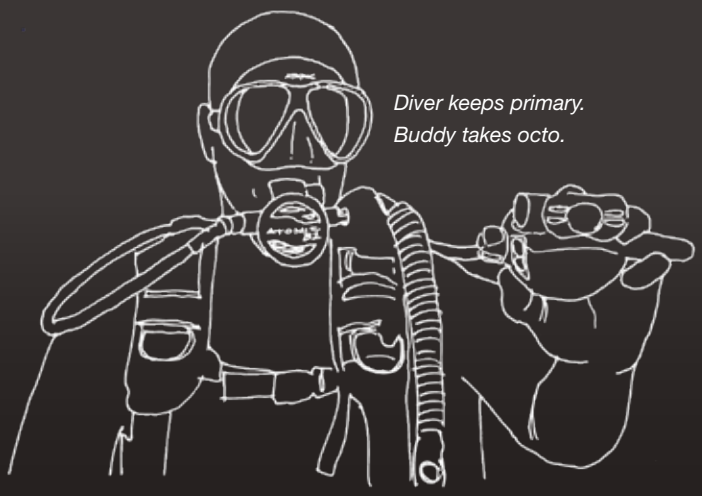
The primary advantage to the SS1 is combining 2 products into one to reduce the overall bulk and weight of your dive gear. The SS1 is only slightly larger than a standard BC inflator yet has a back-up breathing regulator built-in. There is only one low-pressure hose from your first stage that feeds both the BC inflator and the back-up regulator. A secondary advantage to the SS1 is its location. The SS1 is fixed to your BC and falls over the left shoulder. It remains there and is used throughout the dive to control buoyancy. Since the location is fixed and it is constantly being used, the diver becomes quickly accustomed to its' location and is able to locate it easily in the event that air sharing is required.

Air Sharing with the SS1

There is one important difference in air sharing with an SS1 over a standard Octo second stage. If a diver wearing an SS1 needs to share air with another diver, his primary regulator is given to the person out of air and the donor breathes from the SS1. This is for two important reasons. The SS1 is attached to the short BC hose and will not easily reach the out of air diver. The SS1must also be kept by the owner to control his buoyancy and maintain control of the situation.

Air-Sharing Methods

Octo *– The traditional method for air-sharing is to offer your safe second to your buddy while keeping your primary securely in place. Every Atomic Octo is designed to breathe as easily as a primary.*



SS1 *(bottom) – Air-sharing with the Atomic SS1 requires the diver to switch to the SS1 and offer their primary to their buddy. The SS1 breathes as easily as the primary and allows the diver to control buoyancy.*

Why The SS1?

The SS1 is the newest and most sophisticated product of its type, taking the concept to new levels of convenience, reliability and performance as only Atomic Aquatics can deliver.

"I almost forgot
I wasn't using my primary"
Scuba Diving magazine
7 Backup Breathers - Scubalab, August 2007

SS1 Performance & Durability

The SS1 delivers high flow rates to a diver at depth with a minimum of effort. It is very stable and not prone to unnecessary free-flow or leakage from water movement while swimming or during entries/exits. The inflator/deflator is easy to operate with soft surfaced buttons placed where they can be easily operated with one hand. The SS1 is constructed of quality materials not found in any other safe second on the market. The quick disconnect coupling, regulator valve body, and inflation and deflation stems are machined from type 316 Stainless Steel or Titanium to avoid corrosion that would eventually seize components or degrade performance and function. The regulator orifice and lever are Titanium for maximum strength and reliability.

SS1 Adaptability & Convenience

One of the most unique features of the SS1 is its adaptability to almost any BCD. We have designed a set of adapters to fit virtually every popular BCD brand available (and many that are not). The adapters also include components for attaching the cable exhaust feature of your existing BCD (if applicable). The SS1 features a quick disconnect not only on the low-pressure hose, but the BCD hose as well. The adapters that fit the SS1 to the BCD are connected to the SS1 with a threaded collar that can be easily unscrewed to detach it completely from the BCD enabling you to carry or store the SS1 with your primary regulator and gauges. The SS1 offers pneumatic or oral inflation for buoyancy control and back-up breathing in one small package.

The SS1 Breathes Just Like A Primary

Atomic engineers a new level of performance into safe seconds

The SS1 is truly a fresh innovation on a longtime concept. While others prioritize the convenience of the combination, Atomic placed equal importance on superior materials, reliability and high performance natural breathing.

- **High-Flow LP Hose & Disconnect**

  The high-flow, low pressure disconnect is interchangeable with many other models yet smaller size and lighter in weight.

- **Multi-Configuration Adaptability**

  The first product of its kind adaptable to a wide variety of BCD hoses and sizes. The SS1 can be fitted to virtually any make or model BCD. (U.S. Patent # 6,761,163)

- **Ergonomic Controls**

  Large oversized and ergonomically-shaped buttons are easy to find for pneumatic or oral inflation/deflation. They are easy to distinguish and faced with soft tactile rubber surfaces.

- **Low-Profile Elliptical Design**

  The elliptically-shaped body of the SS1 lies flat against the BCD keeping it out of the way and reducing drag.

- **Unique & Convenient BCD Quick-Disconnect System**

  This feature gives you the option to remove the SS1 from the jacket for transport with your regulator system or use on another BC. (U.S. Patent # 6,761,163)

- **Atomic Patented Seat Saving Orifice**

  Seat wear is the first cause of regulator leaks and performance degradation. The stainless steel dynamic orifice is pressure energized and only contacts the rubber seat when in use.

- **Titanium Lever**

  This high-strength metal part is the link to your air supply and will never fail due to rust or corrosion.

- **Integrated Purge Cover**

  One-piece flexible cover allows purge of the regulator when depressed anywhere on the cover surface.

- **2-Year / 300 Dive Service Interval**

  The same high-quality components, materials and designs as our primary regulators mean the same trouble-free operation and the unparalleled Atomic Aquatics service interval.

- **Limited Lifetime Warranty**

  Just like the warranty on all Atomic regulators, it is not contingent on proof of annual service.

Why A Family Of Octos?

Most manufacturers produce just an “economy” and a “performance” octopus model. Yet, even their high-end octo cannot come close to matching the performance of the Atomic family of safe seconds. Each Atomic octopus is designed and precision-built to perform as perfectly as its primary model counterpart. So when you need it, you know exactly what to expect.

All Atomic Octopus models come with a standard extra-long 36” hose. Custom length hoses are available.

Cloning Can Be A Good Thing

An Atomic octopus reduces stress in emergency situations

In an emergency, why would you or your buddy breathe from an inferior regulator? An octopus should breathe easy. All Atomic second stage primary models are available as dedicated safe seconds with high visibility yellow covers and an extra-long 36" hose.

Ti2 Octo – Non-Swivel

Just like the Atomic T2 primary, the Ti2 octopus is immune to the performance degrading effects of sea water corrosion. The patented Atomic Aquatics Seat Saving Orifice prevents wear of the low-pressure seat that extends the service interval and improves reliability. These features result in a safe second that can be counted on to perform like new when you need it. The regulator is compact with a low profile exhaust deflector that fits easily into pockets, and has a bright neon yellow flexible front cover for high visibility. The Ti2 also includes the AFC Automatic Flow Control and Rapid Adjustment knob.

B2 Octo with Comfort Swivel

The B2 octopus is easily the most comfortable and easy to use safe second ever designed with all-Titanium construction for corrosion protection and light weight. The B2 Octo delivers all the patented Atomic features of the B2 primary model, including the Comfort Swivel as standard. The Comfort Swivel is the perfect design aspect for a safe second.

M1 Octo

The M1 safe second is factory rated for oxygen-enriched mixtures up to 80%. The demand valve body is Zirconium plated brass for fast thermal transfer with a heat sink feature to reduce the possibility of freezing in cold water. The critical metal components of the demand valve are all made of Titanium or 316 Stainless Steel and are completely corrosion proof. The front cover is designed to limit sensitivity to currents and swift moving water.

Z2 Octo

The Z2 safe second stage features critical metal components of the demand valve are made of Titanium or 316 Stainless Steel and completely corrosion proof. The demand valve housing is machined of brass and plated with an exotic Zirconium plating that exponentially outlasts conventional chrome plating.

All Atomic Aquatics Safe Seconds feature our exclusive 2-Year / 300 Dive Service Interval and Limited Lifetime Warranty that is not contingent on proof of service.

See complete features of all Atomic regulator models on pages 20-29.

At Atomic Aquatics, we're never content with the status quo... continually expanding and improving every product line. That's why we created the "Essentials" line of accessories. Each is perfectly designed to work with your Atomic product to further enhance your diving enjoyment.

Comfort Swivel Hose

A significant innovation for Atomic Aquatics regulator owners, this unique device eliminates cumbersome binding that some divers experience from their second stage. Available in either mirror-polished stainless steel or lightweight Titanium, the Atomic Aquatics “comfort swivel” increases your comfort on every dive!

Your local Atomic Aquatics dealer can install the lightweight Atomic Aquatics Comfort Swivel in less than 30 minutes. Once you dive with it, you'll wonder why no one else ever thought of this highly comfortable and useful innovation.

Exhaust Deflector

Since the dawn of diving, divers have sought ways to keep exhaust bubbles away from their field of view. Different designs have offered different solutions. But Atomic Aquatics's latest design, first introduced with the M1, offers a different and effective solution to bubble interference. This new design, one of several Atomic Aquatics innovations first introduced with the popular M1 model, is constructed from two-tone molded material specially-engineered to steer bubbles away from a diver's face. Extended areas on both sides provide a wider area of dispersal - perfect for allowing a diver to truly enjoy their dives. Fits all Atomic second stage models.

Universal Comfort Swivel Hose

One of the most popular innovations for the Atomic Aquatics regulators is now available to fit other regulator brands. The Universal Comfort Swivel will fit virtually any second stage on the market today. If your regulator uses a standard 9/16"-18 low pressure hose fitting as most do, the Universal Comfort Swivel simply replaces your existing hose assembly. Constructed of chrome plated brass and stainless steel.

M1 Stainless Steel Cave Ring

An important accessory for cave divers, the Atomic Aquatics Cave Ring is designed to work with the M1 regulator. This important tool allows divers to disassemble their regulators underwater during a dive to clean out sand and sediment. Made from stainless steel, the Atomic Aquatics Cave Ring is another innovation that keeps Atomic Aquatics at the top when it comes to diving technology and performance.

Dual-silicone Comfort-fit Mouthpiece

At Atomic Aquatics, our engineers and award-winning designers are always listening to diver's requests for product upgrades and enhancements. One such request was for a mouthpiece that would be both durable and comfortable. The result is the popular dual-silicone mouthpiece that was introduced with the M1 regulator. Made from two types of silicone material, this mouthpiece is incredibly durable, yet easily one of the most comfortable mouthpieces a diver will ever use.

Deluxe Padded Regulator Bag

You’ve made a wise investment purchasing an Atomic Aquatics regulator. We want to help you protect your regulator so you can enjoy diving with it for years to come. The Regulator Bag is spacious and built for any model Atomic Aquatics regulator.

COMPARISON CHART
ATOMIC AQUATICS REGULATOR SYSTEMS

FIRST STAGES	T2	ST1	M1	B2	Z2
Compact size	✓	✓	✓	✓	✓
Balanced piston design	✓	✓	✓	✓	✓
First stage materials	Titanium/ monel	stainless/ stainless	brass/ monel	brass/ stainless	brass/ stainless
High pressure piston seal system	✓	✓	✓	✓	✓
Optional freeze protection	standard	standard	standard	✓	✓
Nitrox (EAN) ready	40% (dedicated)	40%	50% 80% (dedicated)	40%	40%
# HP ports	2	2	2	2	2
# LP ports	5	5	5	5	7 or 5
LP swivel	✓	✓	✓	✓	option

SECOND STAGES	T2	ST1	M1	B2	Z2
Pressure balanced 2nd stg.	✓	✓	✓	✓	✓
AFC automatic flow control	✓	✓	✓	✓	✓
Titanium seat saving orifice	✓	✓	stainless	✓	✓
Comfort swivel hose	✓	✓	—	✓	—
Rapid adjustment knob	✓	✓	✓	✓	✓
Titanium lever and spring	✓	✓	✓	✓	✓
Valve body material	Titanium	Titanium	zirconium over brass	Titanium	zirconium over brass
Limited lifetime warranty	✓	✓	✓	✓	✓

COMPLETE SYSTEMS	T2	ST1	M1	B2	Z2
Weight (yoke)	.838kg (1.8 lb)	1.059kg (2.3 lb)	1.191kg (2.6 lb)	1.143kg (2.5 lb)	1.070kg (2.3 lb)
Weight (DIN)	.754kg (1.7 lb)	.964kg (2.1 lb)	1.030kg (2.3 lb.)	.996kg (2.2 lb)	.844kg (1.9 lb)
Service interval	2 years or 300 dives	2 years or 300 dives	2 years or 300 dives	2 years or 300 dives	2 years or 300 dives

REGULATOR SPECIFICATIONS

Weights	T2	ST1	M1	B2	Z2
First and Second Stage (Yoke)	.838kg (1.85 lb)	1.059kg (2.33 lb)	1.191kg (2.63 lb)	1.143kg (2.52 lb)	1.070kg (2.36 lb)
First Stage only (Yoke)	.433kg (.95 lb)	.686kg (1.51 lb)	.797kg (1.76 lb)	.783kg (1.73 lb)	.721kg (1.59 lb)
Second Stage w/hose	.380kg (.84 lb)	.373kg (.82 lb)	.391kg (.86 lb)	.373kg (.82 lb)	.349kg (.77 lb)
First Stage					
Type (all)	Balanced, flow-through piston				
Intermediate pressure (all)	125-145 psi (8.6-10 bar)				
Materials					
Body	Titanium	Stainless	Brass	Brass	Brass
Piston	Monel	Stainless	Monel	Stainless	Stainless
O-rings (all)	flourocarbon/nitrile				
Max pressure rating	3500 psi (241 bar) with yoke connection 4350 psi (300 bar) with DIN connection				

Second Stage	T2	ST1	M1	B2	Z2
Type (all)	Balanced, linear flow				
Materials					
Demand Valve Body	Titanium	Titanium	Brass/Zirconium	Titanium	Brass/Zirconium
Lever	Titanium	Titanium	Titanium	Titanium	Titanium
Orifice	Titanium	Titanium	Stainless	Titanium	Titanium
Diaphragm/Exhaust Valve	Silicone rubber	Silicone rubber	Silicone rubber	Silicone rubber	Silicone rubber
Hose Length					
(standard)	32" Swivel	32" Swivel	32" Swivel	32" Swivel	32"
(octopus)	—	—	36"	36" Swivel	36"
Performance	Exceeds requirement for European CEN250 (1.5 joules/liter @ 50 meters) and USN group A (.14 kg.m/liter @ 200 feet at 62.5 RMV)				

SS1 SPECIFICATIONS

Description: Combination inflator and high performance downstream second stage regulator.

Materials:	SS1 Stainless	SS1 Titanium
Inflation/Deflation stems	316 Stainless	Titanium
Quick disconnect	316 Stainless/Brass	Titanium/316Stainless/Brass
Demand valve body	316 Stainless/Brass	Titanium
Orifice	316 Stainless	316 Stainless
Lever	Titanium	Titanium
Springs	Stainless	Stainless
Diaphragm	Silicone rubber	Silicone rubber
Mouthpiece	Silicone rubber	Silicone rubber
Body	Fiberglass Reinforced Nylon	Fiberglass Reinforced Nylon
Weights and dimensions:		
SS1 w/o hose	200g (7 oz)	180g (6.3 oz)
LP hose/w disconnect	200g (7oz)	190g (6.7 oz)
LP hose length (all)	71 cm (28")	
Pressure rating (all)	8.6-10 bar (125-145 psi)	

ATOMIC
AQUATICS

Aerodynamic...

Hydrodynamic...

Atomic SplitFins are simply

dynamic

SPLITFINS

Why Multi-Composite Plastics?

Extensive R&D and testing yielded the perfect formula of flexibility and rigidity for efficient propulsion. Atomic multi-composite plastics result in a powerful kick that requires less effort, stress and strain...meaning less air consumption.

1 ***Power Rails***
The highly resilient power rails perform as the backbone of the splitfin, storing and releasing energy with every kick. Proprietary and exclusive to Atomic Aquatics, this material will not deteriorate or lose its resiliency.

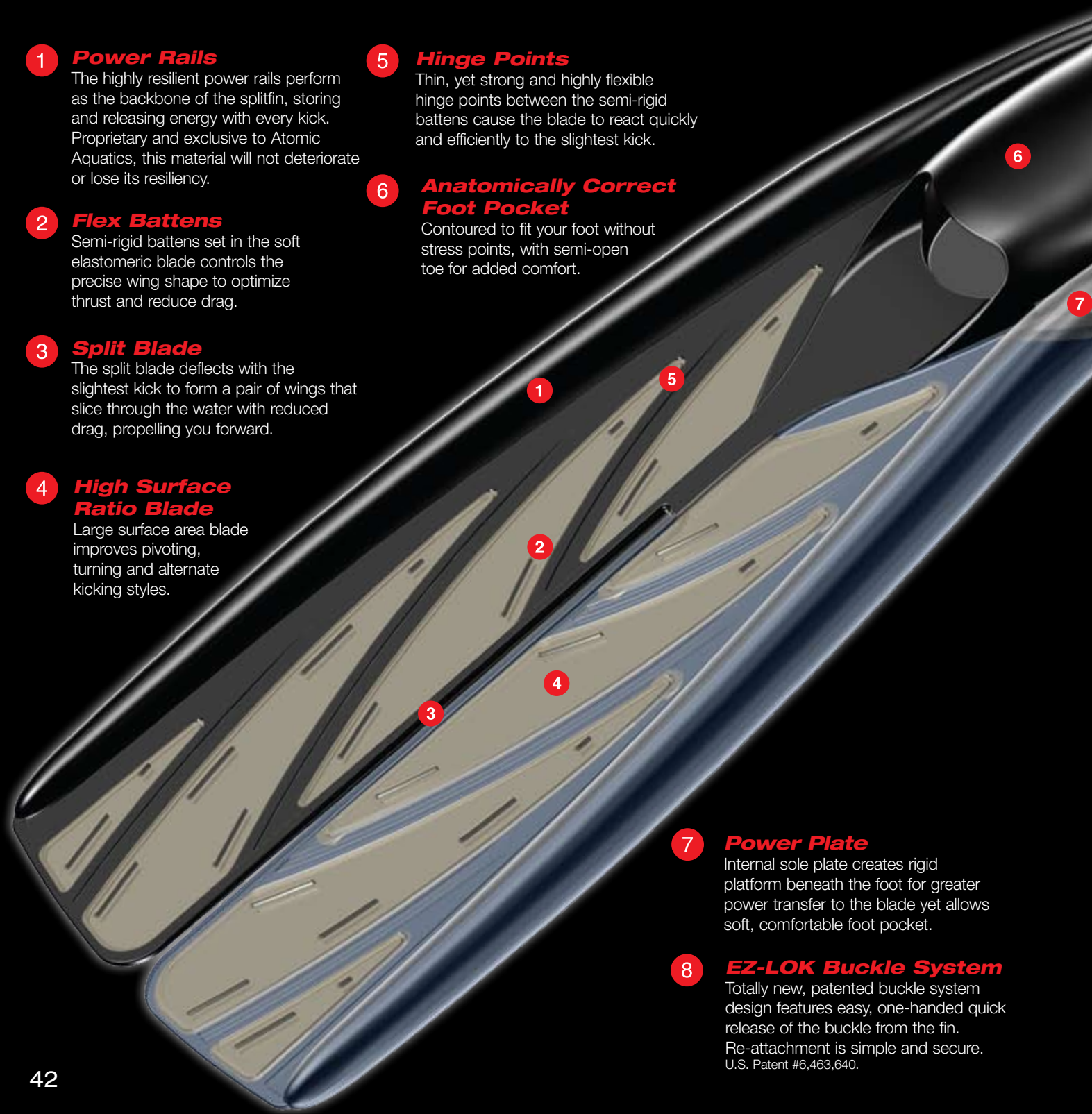
2 ***Flex Battens***
Semi-rigid battens set in the soft elastomeric blade controls the precise wing shape to optimize thrust and reduce drag.

3 ***Split Blade***
The split blade deflects with the slightest kick to form a pair of wings that slice through the water with reduced drag, propelling you forward.

4 ***High Surface Ratio Blade***
Large surface area blade improves pivoting, turning and alternate kicking styles.

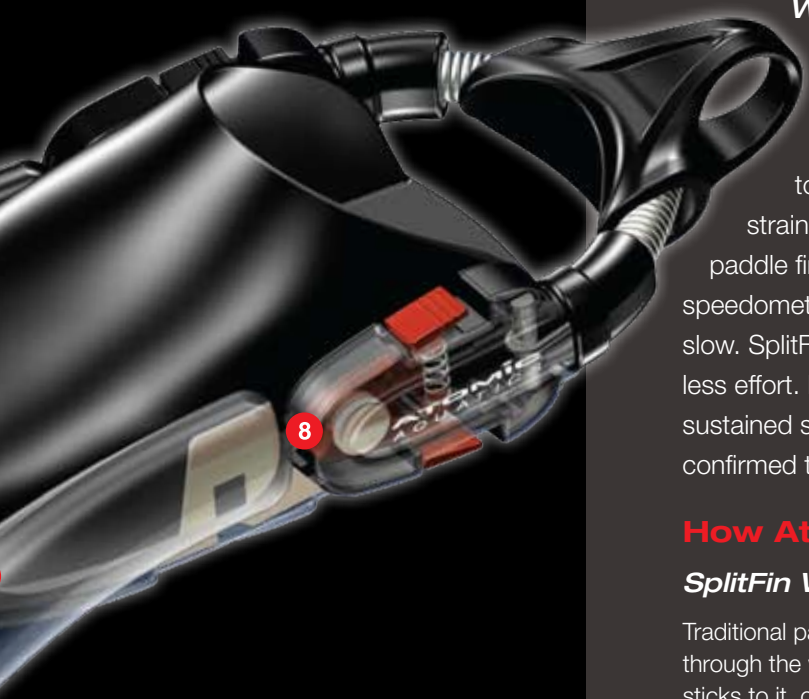
5 ***Hinge Points***
Thin, yet strong and highly flexible hinge points between the semi-rigid battens cause the blade to react quickly and efficiently to the slightest kick.

6 ***Anatomically Correct Foot Pocket***
Contoured to fit your foot without stress points, with semi-open toe for added comfort.



7 ***Power Plate***
Internal sole plate creates rigid platform beneath the foot for greater power transfer to the blade yet allows soft, comfortable foot pocket.

8 ***EZ-LOK Buckle System***
Totally new, patented buckle system design features easy, one-handed quick release of the buckle from the fin. Re-attachment is simple and secure.
U.S. Patent #6,463,640.



Smoke on the Water SplitFin:
"...the fin burns the competition for sheer speed and acceleration..."
Scuba Diving magazine
The Best Gear of 2007, December 2007

Even Fish Envy SplitFins

Why SplitFins deliver more propulsion with less air consumption

All it took was watching the tail fins of fish – except that we couldn't keep up with them because our traditional fins took too much effort. Using hard kicking paddle fins can result in leg strain, fatigue and cramping. Because of the kick resistance of a paddle fin, divers often "felt" like they were moving fast. But underwater speedometers proved that these divers were actually moving relatively slow. SplitFins deliver more propulsion with less drag and kick with less effort. Reducing the stress and strain of the kick results in greater sustained speed, power and comfort. Independent testing has also confirmed that the SplitFin design significantly reduces air consumption.

How Atomic Aquatics SplitFins Work

SplitFin Wings "Slice" Through The Water

Traditional paddle fins work by pushing water rearward. As a paddle fin is pushed through the water, much of the water spills over the top surface of the blade and sticks to it, creating drag. Extra kicking effort is required to overcome that drag. The Atomic SplitFin slices through the water with two wing-shaped surfaces, creating lift and forward propulsion more like a propeller. Any water traveling over the top of the blade is funneled into and out of the opening (split) between the wings. Drag is reduced, effort is reduced, and efficiency is increased.

Propeller-Fin™ Technology Moves You Faster

Atomic Aquatics SplitFins use Propeller-Fin Technology to deliver ultra-high speeds with a small-range rapid flutter kick. This works in the same manner that increasing the RPM on a boat propeller accelerates a boat to high speeds.

Multi-Composite Plastics And Other Uniquely Atomic Features

The Atomic signature is our use of exotic materials specifically designed to improve performance. We developed multi-composite plastics for the SplitFins to maximize the efficiency of the kick with less fatigue. Flexible side rails and a stiff foot pocket are combined with stiff battens in the blade to control the flex pattern for optimum performance. Our patented EZ-LOK Buckle System is one of those distinct Atomic features that make divers love us even more.

Spring Heel Straps

A Patented Atomic Exclusive

Another "rethinking" of something simple, the unique rust-resistant stainless steel springs were designed with variable pitch geometry. Divers get a more comfortable fit and easy one-hand removal, yet the springs are resistant to deformation if overstretched. Available for all Atomic SplitFins or as a universal retrofit for other brands.

Not all SplitFins are the same.

Splitfins come in a variety of shapes, sizes and stiffness. These contribute greatly to overall comfort and performance. A fin with short, soft blades will kick easier than a longer, stiffer one, but will require many more kicks to travel the same distance. A blade that is too stiff will require too much effort to kick comfortably. The Atomic SplitFins were specifically designed to optimize all these variables. They are easy kicking fins that deliver high thrust, speed, and efficiency with a comfortable, low frequency kick cycle.

How to swim Atomic SplitFins.

Don't worry about how easy the SplitFins are to kick. There is nothing wrong, you're probably already going just as fast as you did with your old fins. Although they work with a variety of kicking styles, you should adapt to a smaller range, more frequent flutter kick for maximum performance.

The smaller-range rapid flutter kick also keeps your legs within the slipstream of your body so that you punch a hole in the water that is only as big as your shoulders and your tank. Remember, less drag means more speed and less effort.

SplitFin Sizing
(Full Foot)

Men's USA	EU
4.5 - 5.5	37 - 38
6 - 7	39 - 40
7.5 - 8.5	40 - 41
9 - 10	42 - 43
10.5 - 11.5	43 - 44
12 - 14	45 - 46

SplitFin Sizing
(Open Heel)

	Men's USA	EU
Small	5 1/2	37 - 38
Medium	6 - 8 1/2	39 - 41
Large	9 - 11	42 - 43
XLarge	11 1/2 - 13	44 - 46

NATURE'S WING®
Nature's Wing and Propeller Fin are Trademarks of Nature's Wing Fin Design, LLC, Valencia, California USA

Open Heel SplitFins

Blue

Neon Yellow

Royal Blue

Silver

Liquid Blue and Reef Red are a slightly softer, lighter and more responsive compound than the standard Atomic SplitFins.

Liquid Blue

Reef Red

Smoke on the Water

Full Foot SplitFins

Royal Blue

Neon Yellow

ATOMIC
AQUATICS

Clearly,
love at first sight


ATOMIC
AQUATICS
ATOMIC
AQUATICS

Seeing Is Believing

The top underwater photographers LOVE our masks

Yes, LOVE is a strong word...especially for discriminating pros who make their living by capturing incredible underwater images. The reason we are proud that photographers adore Atomic Aquatics masks is that if they realize a quantum leap in comfort and clarity, every diver will see the difference. The SubFrame and Frrameless Masks are both winners of the presitgious red dot international design award.

SubFrame:

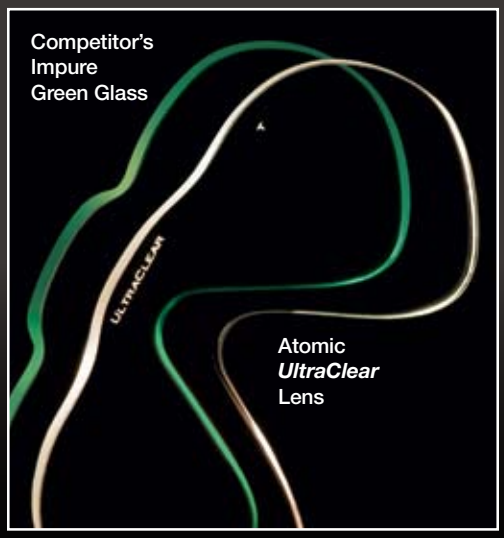
The strongest and most indestructible two-window mask ever

The Atomic Aquatics SubFrame Mask is so durable, it carries a Lifetime warranty against frame breakage. The strength comes from the internal frame (subframe) molded directly beneath the surface of the silicone rubber skirt (patent pending). This subframe provides incredible strength and rigidity as well as eliminating the bulky external plastic frame in other masks. A stainless steel retainer locks the lenses in place and provides added strength to the nose bridge area of the mask. A wide field of view and great fit completes the combination of function, style and durability. (US Patent #7,181,778)

Frameless:

"Widely" viewed as an award-winning revolutionary design

The Atomic Aquatics Frameless Mask is focused on fit, comfort and a wide vision field. The large lens and close fitting skirt work in harmony to create perhaps the widest viewing angle of any frameless mask design. The lens shape was computer designed to maximize upward, downward and side to side vision. Because an external frame is not needed, the viewable area of the lens is optimized. Squeeze-to-adjust buckles are tucked behind the lens for a sleek hydrodynamic design.



ULTRACLEAR Lenses

Both the Atomic Frameless and SubFrame models offer a new standard feature never seen or "seen through" before in a diving mask. We call them ***UltraClear*** lenses.

What makes ***UltraClear*** special? Did you ever notice that normal dive mask lenses have a green tint to the glass? To see this tint, put your existing mask up to a piece of white paper and see for yourself. The green tint you see is the result of iron impurities left over in lower quality "float" or window type glass. That green tint distorts true colors and blocks out some of the light that reaches the eye.

UltraClear is a new and exciting optical quality glass with exceptional clarity and high light transmission, with no color distortion. The exceptionally high light transmittance and lack of distortion in the ***UltraClear*** lens maximizes the light available for improved visual acuity, especially underwater in low light conditions.

ARC Lens Technology Elevates UltraClear To A Higher Level

Atomic Aquatics developed ARC (Anti-Reflective Coating) technology to reduce reflected light and actually increase the amount of available light transmitted to a diver's eyes. The result is a greatly improved transmission of 98% of available light, compared to a loss of more than 14% of light with standard green "float" glass used on the majority of masks on the market.

What is ARC lens technology?

Anti-Reflective Coatings or "ARC" is a multi-layer metal oxide coating process applied to both sides of the ***UltraClear*** lenses. This allows more light to enter the mask by reducing light reflections off the inside and outside surface of the lens. The metal oxide coating is only a few microns thick.

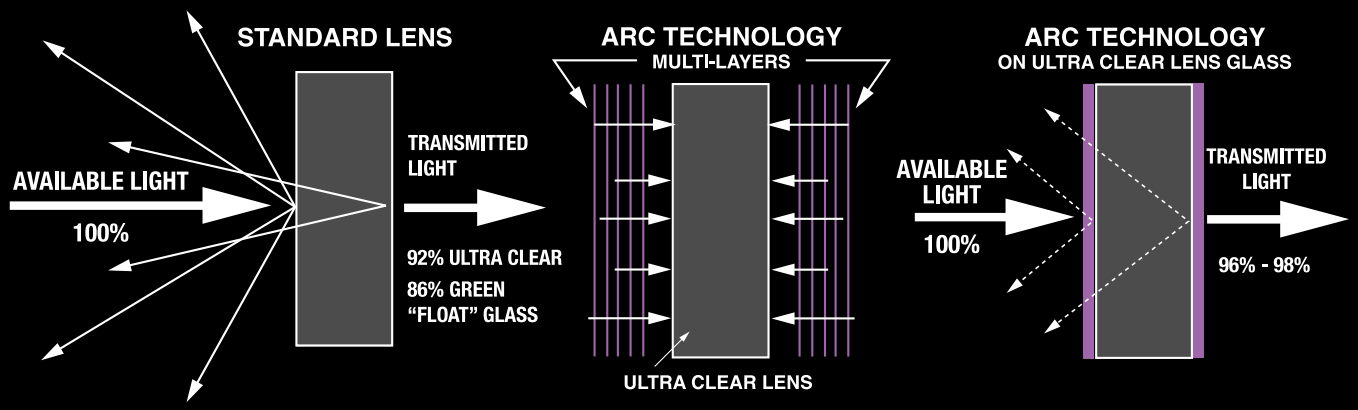
Why do you need ARC technology lenses?

Between 4-14% of light can be reflected back or "lost" by the standard "green float glass" mask lenses used by our competition. ARC technology lenses are especially important for SCUBA divers underwater, where available light is quickly absorbed by the surrounding water.

What is the underwater benefit of ARC for divers?

- Clearer, crisper vision. You will see more clearly underwater and objects in the distance will become more defined and acute.
- Increased contrast and clarity.
- Reduces eyestrain, glare, and prevents ghost images on the viewing area of the lens.
- An absolute must for night diving, limited visibility conditions, and underwater photographers.

How ARC technology works:



ARC Lense Black/Black

ARC Lense Black/Clear

Atomic SubFrame

Atomic SubFrame
Exploded View

SubFrame Mask Features

- Unmatched durability and resistance to breakage
- Optical quality, distortion-free UltraClear lenses
- Hydrodynamic styling with no exposed external frame
- Removable lenses for corrective lens options
- Wide vision and low volume
- Great fit
- Squeeze to adjust buckles
- Clear or Black silicone rubber with co-molded color accents
- Available with ARC technology lenses

Atomic Corrective Lenses

Optional for the SubFrame.
Precision ground optical glass lenses are available in diopters between -1.0 to -8.0 in .5 diopter increments. Lenses can be installed by the dealer or factory assembled.


Reef Red/Black


Royal Blue/Black


Blue/Black


Neon Yellow/Black

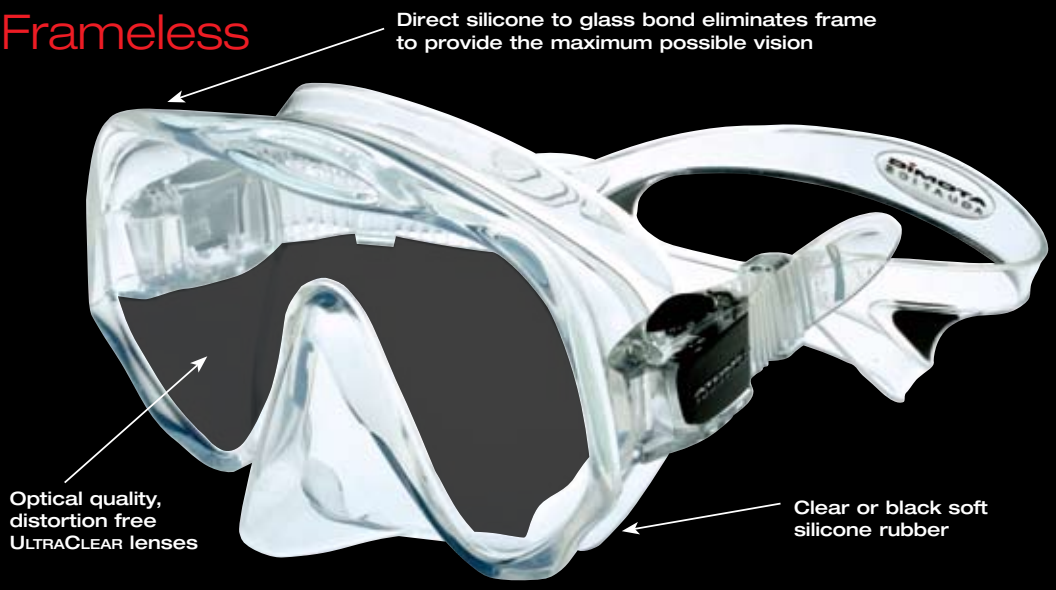

Black/Black


Blue/Clear


Neon Yellow/Clear


Black/Clear

Atomic Frameless



Frameless Mask Features

- Unmatched durability and resistance to breakage
- Optical quality, distortion-free ***UltraClear*** lenses
- Hydrodynamic styling with no exposed external frame
- Wide vision and low volume
- Great fit
- Squeeze to adjust buckles
- Clear or Black silicone rubber with co-molded color accents
- Atomic Frameless Masks are also available in a Medium Fit size for smaller, narrower faces.

Compact Travel Cases

Atomic Frameless Masks come in our unique compact travel case that matches the skirt color – clear or black. The exclusive low profile travel case takes up only half the space of common mask boxes. Both SubFrame and Frameless Atomic Mask models are designed to fold flat to fit in a pocket or a compact travel case. Travel cases can also be purchased separately.

Travel Case, Black

Travel Case, Clear

Black
Available in Standard Size and Medium Fit

Clear
Available in Standard Size and Medium Fit

Who knew snorkels needed a total

makeover?

...we did.


ATOMIC
SV1

Atomic Aquatics SV Series Snorkels

It was finally time to reinvent the snorkel

Atomic Aquatics only designs and releases new products that we truly believe redefine a category and solve a diver need. Did something as simple as the snorkel really require new thinking? Well...yes. More and more divers were choosing to enter the water without a snorkel because the size, unwieldiness and poor performance just wasn't worth the hassle. Yet, the use of a snorkel during a dive can help you save precious air while hanging on the anchor line waiting to descend. There are numerous situations where a dependable, high-performance snorkel is a valuable dive tool. The new Atomic Aquatics SV Series truly redefines how a snorkel works and helps divers extend their adventure.

SV Series — How they work

Just like the one-way Scupper Valve on a boat, the lower section of both the SV1 and SV2 (semi-dry) enable water to be easily expelled. Any water entering the top of the snorkel **(1)** bypasses the mouthpiece completely and exits out the purge valve **(4)**. If water did enter the internal tube **(2)** located inside the main snorkel body, it contains a small one-way Scupper flap valve **(3)** designed to allow water to flow past the mouthpiece and out the purge valve **(4)** without collecting at the bottom of the breathing passage. The diver simply exhales a small burst of air to clear any water trapped below the mouthpiece, and the internal tube airway is kept dry. It's so simple and so effective we have a patent pending!

SV: *Scupper Valve*

The Atomic Aquatics Scupper Valve snorkel design is based on the same principle as the one-way Scupper Valve used in boats. If waves or splashes enter the boat, a one-way rubber flapper located on the deck near the rear of the boat opens to drain the water then quickly closes to prevent backwash. The simple Scupper Valve effectively keeps the deck free of water accumulation.

SV: *Small & Versatile*

Before embarking on a new design, we asked divers about the snorkels that were currently on the market. Overwhelmingly, the biggest complaint about snorkels was size. The modern Scuba snorkel had evolved into a large and difficult to manage piece of equipment. Divers were abandoning the use of their snorkels because of size, discomfort and poor performance. So Atomic Aquatics imagined a smaller, streamlined snorkel design that clears easily and is comfortable to use.

SV: *Sleek & Valuable*

At Atomic Aquatics, we always strive to achieve sleek and stunning designs that are as attractive as they are functional. The SV Snorkel Series is no exception. Its sleek profile makes it easy to stow or strap as a valuable addition to your dive bag. Atomic divers will WANT to take the SV Snorkel to preserve tank PSI or paddle around an exotic lagoon between dives.

SV1 Flex: *High-Performance Design with Conical Flared Top*

Every snorkel model in the SV Series includes the Scupper Valve on the bottom mouthpiece section. Then, Atomic gives divers a choice of tops to best suit their needs. The SV1 design has a conical flared top to deliver maximum airflow. The SV1 is the optimal choice for calm waters or for strong swimming situations. Even though water may enter the open top, the internal tube airway remains dry. Any water trapped below the mouthpiece is easily cleared with a small burst of exhaled air.

The flexible lower section drops the mouthpiece out of the way when not in use.

SV1 Contour

If you're doing more snorkeling than scuba, the SV1 Contour may be the choice for you. The silicone rubber lower section fixes the mouthpiece in a streamlined breathing position.

The SV1 features a conical flared top and is available with contour or flex lower section

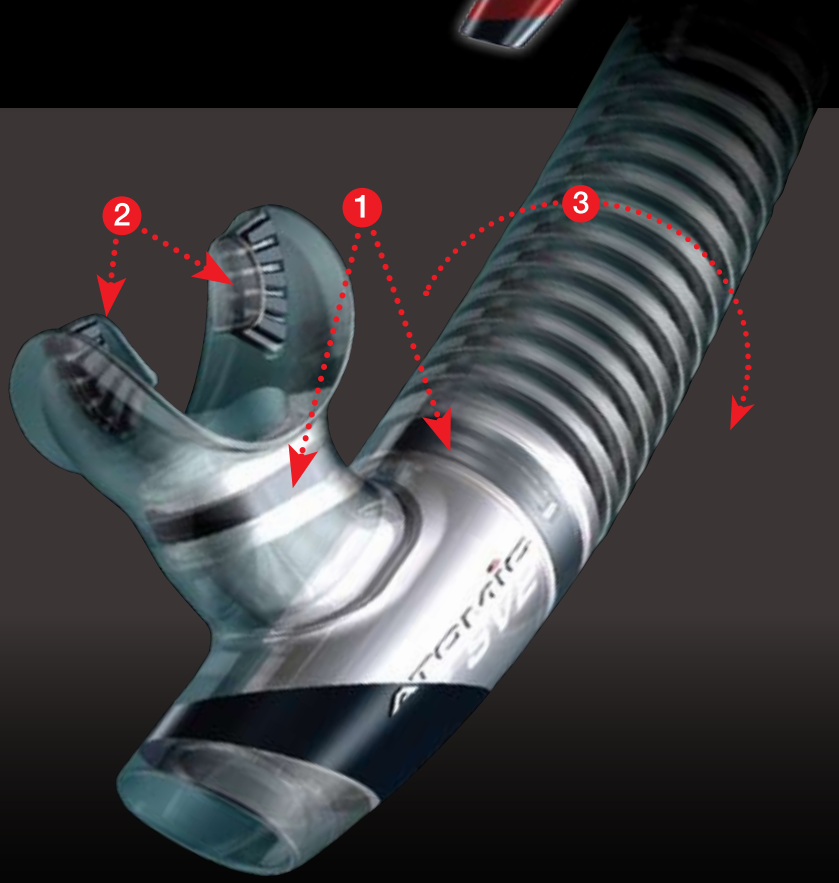
Features and benefits of the SV Series high performance snorkels.

The Scupper Valve (SV) design is self-draining and delivers crisp, effortless clearing.

1. Posi-lock flex retainer secures flex section and mouthpiece.
2. Dual silicone mouthpiece prevents over-clenching of teeth that would restrict air flow.
3. Rotational mouthpiece with ratchet indicators.

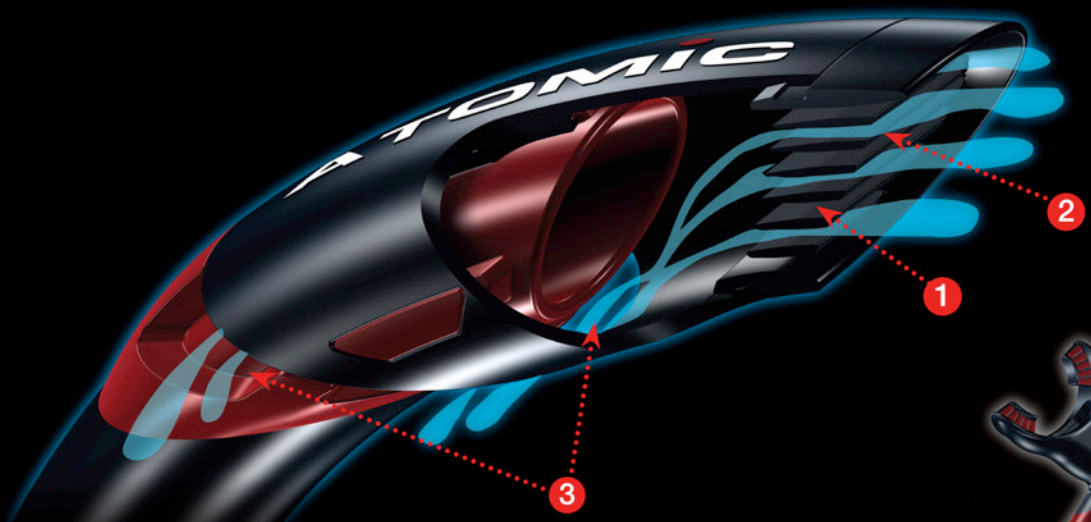
   SV1 has a conical flared top for high performance breathing.

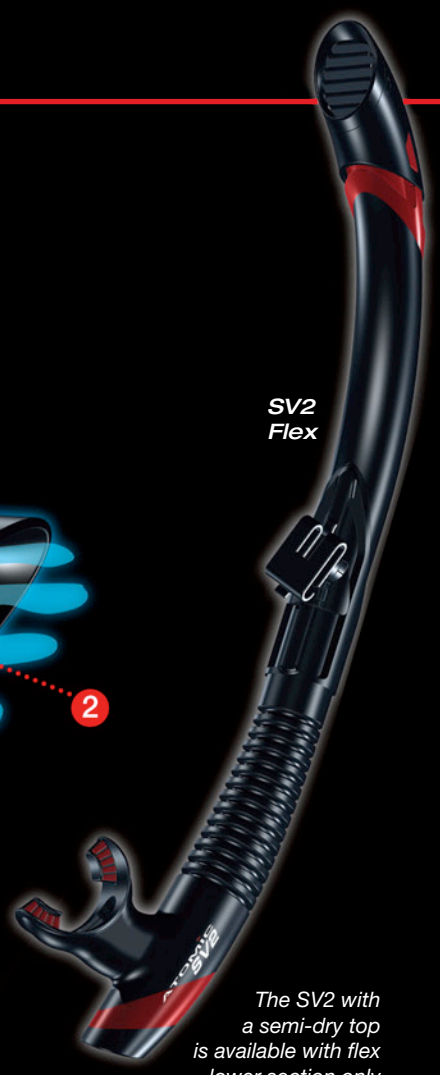
   SV2 Semi-dry top is designed to limit splashed water from entering the breathing tube.



SV2 Flex: *High-Performance Design with a Semi-Dry Top*

The SV2 includes a Scupper Valve lower section with a sleek semi-dry top. The SV2 semi-dry top employs horizontal vents engineered to diffuse splashed water that would normally freely enter the snorkel top. The small gaps between the vanes of the vent restrict water speed and droplet size and permit most of the splashed water to exit the special vents without entering the breathing tube. The end result is less water in your snorkel. The SV2 is perfect for rough or choppy water conditions.



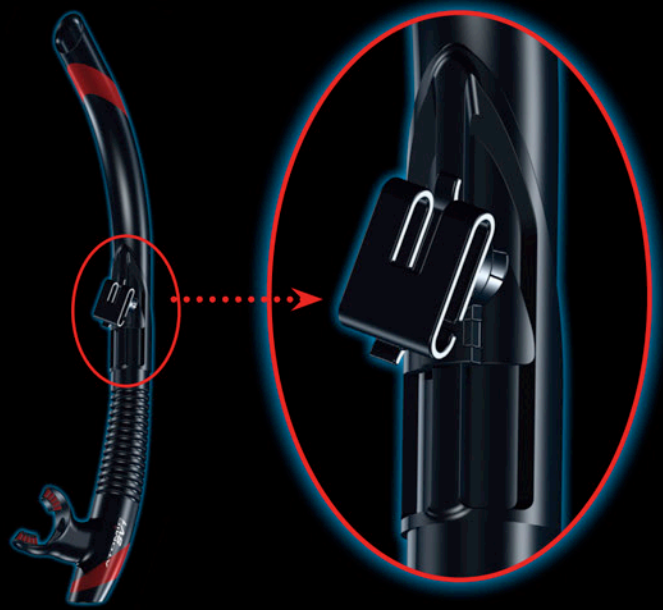


The SV2 with a semi-dry top is available with flex lower section only

SV2 with Semi-Dry Top

Perfect for use in choppy waves

The SV2 combines the same Scupper Valve lower section with the sleek and effective SV2 Semi-Dry top. The SV2 Semi-Dry top horizontal vents **(1)** are engineered to diffuse splashed water that would normally freely enter the snorkel top. The small gaps between the vanes **(2)** of the vent restrict water speed and droplet size and permit most of the splashed water to exit the special vents **(3)** without entering the breathing tube. Thus, you get less water in your snorkel. The SV2 is the perfect answer for rough or choppy water conditions.



Atomic even designed a better snorkel keeper

- Quick disconnect snorkel keeper includes 30 degree rotation.
- Sliding snorkel keeper range adjuster allows for accurate placement without constant re-adjusting each dive.
- Atomic Aquatics' international and award winning styling team makes the SV1 and SV2 high performance snorkels something you would be proud to use.

SV1 Flex Snorkel Series

SV1 and SV2 Flex colors are designed to complement the award winning Atomic Aquatics SubFrame and Frameless masks. Black/Clear, Reef Red, Royal Blue, Silver, and Neon Yellow.

SV1 Contour Snorkels are available in Black/Clear, Reef Red, and Neon Yellow.

SV1 Contour Snorkel Series

SV2 Flex Snorkel Series

Atomic Ti6 Titanium Dive Knife

Once again, an exotic material wins the day

One of the biggest problems with dive knives is corrosion and Atomic solves that issue with a beautifully crafted and honed full-tang Titanium blade. The renowned Atomic design aesthetic is apparent in the molded handle with finger grooves for a secure grip. A lanyard hole helps cold water divers with limited dexterity due to thick mitts to keep the knife within reach. The Titanium end cap can be removed to disassemble the knife for cleaning – that is, to clean everything but corrosion since that will never be a problem.

Features

- Corrosion-resistant full-tang Titanium blade
- Elegantly curved 4-inch cutting edge
- Serrated edge and large line-cutting notch
- Lightweight locking sheath with push-button release
- Quick-adjust sheath straps
- Available with blunt or pointed tip

Independent,
objective, unbiased – the experts
rate Atomic Aquatics

Best of the Best

Atomic T2

THE T2 HIT THE MARKET in May, easily earned a 2005 Testers' Choice in our June review of new regulators, and has had divers talking ever since.

In standard breathing simulator tests the T2 delivered a perfect score without breaking a sweat. In the muscle test the reg was able to attain a breathing rate of just under 91 RMV.

MUSCLE REGS
SCUBALAB SPECIAL REPORT
SCUBA DIVING MAGAZINE
NOVEMBER 2005

Over $500 Tester's Choice

This powerhouse reg (T2) smashed all previous records for low work of breathing on the ANSTI simulator and for in-water performance, collecting more Excellent scores than any regulator we've tested.

If you're a believer in the adage, "You get what you pay for," then you're going to love the T2 from Atomic Aquatics.

This sleek-looking super breather is the Ferrari of regulators, with a price to match—$1,399. But just look at what you get for your money.

In breathing simulator tests, the T2 smoked every RMV/depth category, delivering a perfect score without breaking a sweat. So we turned up the heat. But when we punched in extremely stressful breathing rates and excessive depths, the reg smoked those too. It didn't seem to matter what RMV or depth we threw at it, the T2 continued to breathe like a dream. When we took the T2 into the ocean it repeated this superhero performance, scoring Excellent for ease of breathing regardless of position.

2005's BEST NEW BREATHERS
SCUBALAB REVIEW
SCUBA DIVING MAGAZINE
JUNE 2005

Atomic ST1

TEST DIVERS SAID: Divers thought the ST1 was one of the "smoothest breathing" regulators of the bunch and gave it the highest ergonomic scores of all the regulators in this review. The comfort swivel helped boost comfort scores and test divers had praise for the user control knob and soft purge cover. This reg also received the highest score for Ease of Breathing and was the only reg rated Excellent by test divers for dryness. When we polled our test divers for their top reg in the price category, the ST1 was a clear Testers' Choice.

THE ANSTI REPORT: While several regs in this review earned perfect breathing machine scores on our 1 to 5 scale, the ST1 can boast the lowest overall work of breathing in every one of our ANSTI tests.

12 NEW REGS
SCUBALAB REVIEW
SCUBA DIVING MAGAZINE
JULY 2007

En route to earning a Testers' choice nod in this year's review, the ST1 proved to be the latest in a long line of top-performing regs from Atomic Aquatics.

It's loaded with all the performance goodies Atomic regs are famous for, plus adds a couple dollops of comfort by way of a well-designed mouthpiece and Atomic's Comfort Swivel. In the 2007 primary reg review, the ST1 also turned in the lowest work of breathing scores on the ANSTI machine and was named the "smoothest breather of the bunch" by test divers.

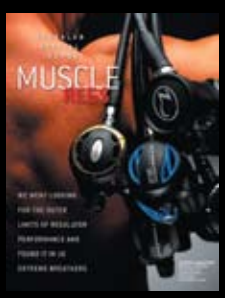
THE BEST GEAR OF 2007
SCUBA DIVING MAGAZINE
DECEMBER 2007

Atomic B2/M1/Z2

True to Atomic's claims, the redesigned B2 and M1 did deliver improved work of breathing on the simulator, although this improvement simply puts a shine on what was already stellar breathing performance. The Z2 effortlessly kept pace with its higher-priced brethren.

When the regs were taken out for some real-world diving they proved to be sweet breathers in all positions. Test divers considered the B2, Z2 and M1 to be the driest breathing regs in this year's go-round. The regs come with a two-year/300-dive service interval, and the limited lifetime warranty is not contingent upon annual servicing.

BEST NEW REGS OF 2006
SCUBALAB REVIEW
SCUBA DIVING MAGAZINE
JUNE 2006



Atomic M1

Conclusion
"At the end of five days of exhaustive testing and comparison the test divers had got to know each regulator pretty well. We then spent a day of leisure diving when each one could use the regulator of his own choosing. This revealed true preferences. First choice was clearly the Atomic M1, closely followed by both the Apeks ATX100 and the ATX200 and then, in no particular order the Aqua-Lung Legend LX Supreme, the Scubapro 5600/MK25 and the Mares Abyss."

ARE HIGH PRICED REGULATORS WORTH IT?
DIVER MAGAZINE (UK)
DECEMBER 2002

…this reg turned in Excellent performance on the breathing simulator, earning perfect work of breathing scores when subjected to our standard reg tests. In the muscle test, it reached a breathing rate of just over 81 RMV.

Past and present in-water tests have shown the M1, a 2002 Testers' Choice, to be a real easy breather in all positions. The reg has a very efficient purge system and minimal bubble interference. Test divers liked the mouthpiece and low-pressure port turret on the balanced piston first stage that simplifies hose routing.

MUSCLE REGS
SCUBALAB SPECIAL REPORT
SCUBA DIVING MAGAZINE
NOVEMBER 2005

Atomic B2

The key to the success of the Atomic brand seems to be not to make things particularly different but the make them better.

The B2 is a second-generation design which combines a new second stage that has an all-Titanium mechanism with the previously available B1 chromed brass and 316 stainless-steel first stage.

I never found this regulator wanting in the amount it could supply, yet it was discreet and subtle in its delivery. There were no sudden and dramatic rushes of air – it flowed. It was sublime.

Added to the fact that it is a jewel in the way it is made, any purchaser is likely to be a proud and long-time owner.

THINK ROLLS AND BUY ATOMIC AQUATICS DIVER TESTS
DIVER MAGAZINE (UK)
APRIL 2004

Atomic Aquatic's B2 breathes effortlessly on the simulator, regardless of RMV or depth.

But this isn't just a laboratory reg. The B2 earned the highest total score for in-water performance of any reg in any price. It breathes easily in all positions and is the only reg to earn an excellent score for dryness.

The B2's dual silicone mouthpiece, introduced last year, is still a favorite among testers.

BEST NEW REGS SCUBALAB REVIEW
SCUBA DIVING MAGAZINE
NOVEMBER 2003

This 2003 Testers' Choice breathed effortlessly on the simulator, delivering perfect scores on ScubaLab's standard tests. When pushed to its limits, the reg was able to achieve a breathing rate of just a tad over 75 RMV.

Take the B2 into the water and it breathes easily in all positions and is dry as a bone.

MUSCLE REGS
SCUBALAB SPECIAL REPORT
SCUBA DIVING MAGAZINE
NOVEMBER 2005

Atomic Z2

THE Z2 ONLY RECENTLY hit dive stores, but already it is developing a reputation as a superb breather. When subjected to ScubaLab's standard simulator test protocols, the Z2 delivered perfect simulator scores. When pressed to the limit, it was able to achieve one of the best breathing rates of this group, just over 87 RMV. This superior performance carries into the water as well, where test divers found the reg a very easy and dry breather in all positions with an excellent purge.

The Z2 has a new high-flow second stage casing similar to what's on the new T2. Like all Atomic regs, the Z2 also uses Atomic's patented Automatic Flow Control and comes with a great dual composite mouthpiece.

MUSCLE REGS
SCUBALAB SPECIAL REPORT
SCUBA DIVING MAGAZINE
NOVEMBER 2005

Atomic SS1

"I almost forgot I wasn't using my primary" is how one test diver summarized the SS1's performance during our in-water testing. It was the only reg to earn any Excellent ratings from test divers—once for ease of breathing and again for user controls. "The buttons are easy to use even when it's in your mouth," commented one test diver. On the breathing simulator, the SS1put up work of breathing numbers worthy of a primary regulator, earning Excellent ratings in three of the tests, and a Very Good in the most extreme breathing category—67.5 RMV at 165 feet.

BOTTOM LINE: The SS1 is the top-of-the-line octo-inflator and our 2007 Testers' Choice. It's also the most expensive unit in this review, but worth every penny if you want the ultimate in performance.

7 BACKUP BREATHERS
SCUBALAB REVIEW
SCUBA DIVING MAGAZINE
AUGUST 2007

No doubt about it. Atomic has raised the bar with the SS1, creating the first safe second that really could be compared to a high performance primary. And the best news – it will fit on most any brand of BC, thanks to a unique adapter device.

SECOND TO NONE
ATOMIC AQUATICS SS1
SPORT DIVER MAGAZINE
AUGUST 2003

This new inflator/reg offers performance to spare in a user-friendly package. The SS1 breathes better than many primary-use regulators and generated the best overall simulator performance among the integrated inflator/regs…then hit the water and earned the highest ergonomic scores of all the units we tested.

BETTER ALTERNATIVES
SCUBALAB REVIEW
SCUBA DIVING MAGAZINE
JAN/FEB 2004

Atomic SplitFin

A speed demon on the slalom course, Atomic's SplitFin is pretty fast flat out too. This robust fin's rather stiff, longer-than-average blade doesn't fold up in a power stroke like some other splits do - good for when that eagle ray flaps in out of nowhere and you want to accelerate. For close work, the fin is both nimble and efficient despite its length. A well-shaped foot pocket ensures stability and comfort. We found the SplitFin to offer the best buckle system of all the fins we tested, with a special buckle that slips over a mounting post on the fin. To detach, you simply squeeze both tabs and slip the buckle off the post. To attach, slide it onto the post where it clicks into place. Couldn't be easier!

FOOT ROCKETS - SCUBALAB FIN TEST
RODALE'S SCUBA DIVING MAGAZINE
JULY 2003

The first time I tried Atomic Aquatics' SplitFins®, I knew that my ideas about kicking would have to change. These fins ate up distance without hard work. Due to a lack of ankle strain, I felt like I was wearing no fins at all.

The most dramatic difference that I noticed was when surface-kicking on my back. My legs felt much lighter on the upbeat and follow-through with the SplitFins® than with paddle fins. I also found that the SplitFins® work best with a short, fast kick as opposed to a long, slow one.

It isn't often that a revolutionary product comes along that changes the way we dive. The SplitFin® is one of those products.

TEST DIVE: ATOMIC AQUATICS SPLITFINS
SPORT DIVER MAGAZINE
JAN/FEB 2001

While it excels in performance, no other adjustable fin comes close to the scores Atomic earns in fit and comfort. The foot pocket maintains a grip on your foot that virtually eliminates wobble. Even female test divers were able to achieve a good fit.

RUMBLE IN THE JUNGLE
SCUBA FIN SMACKDOWN
RODALE'S SCUBA DIVING MAGAZINE
JULY 2002

Kicking out from shore requires power and acceleration and the Atomic SplitFin delivers both. The best buckle system in the business makes it literally a "snap" to put these fins on and take them off when entering the water. And a well-shaped foot pocket ensures stability and comfort.

GEAR YOU NEED
RODALE'S SCUBA DIVING MAGAZINE
JULY 2003

Atomic Smoke on the Water SplitFin

This impressive new fin gets its name from the smoky transparent panels on its long split blades. They are a bit more flexible than previous versions of the Atomic Splitfin, but still generated the highest thrust measurement of all the fins in this review. The Smoke on the Water fins also tied for the fastest speed score among open-heel fins and slashed through the slalom course with a top-three performance. In ergonomic tests, it was one of only two open-heel fins to earn an Excellent rating from test divers for Acceleration, and it also earned the highest score possible for ease of donning and doffing, thanks to the new spring straps with oversized finger grip. Firm rubber rails produce great power with little effort and provide stability with all kick styles.

TEST DIVER COMMENTS: “The perfect balance of comfort, speed and maneuverability”... “An all-around great fin made better with the spring strap”... “Power and control: What more can you say?”

18 NEW FINS - SCUBALAB REVIEW
SCUBA DIVING MAGAZINE
NOVEMBER 2007

A 2007 Testers’ choice winner for its near-perfect blend of power and agility, this fin not only delivers serious performance, but it looks cool doing so. Named for the smoky transparent panels on its long split blades, the fin burns the competition for sheer speed and acceleration, plus it has no equal when it comes to pegging the thrust meter. Down on the reefs, it’s nimble and responsive to minor course corrections, and its firm rubber side rails provide stability with all kicking styles. Uniquely designed spring straps with oversized finger grips make donning and doffing a breeze. Simply put: This is an all-around great fin.

THE BEST GEAR OF 2007
SCUBA DIVING MAGAZINE
DECEMBER 2007

Atomic Liquid Blue SplitFin

This new fin shares the spotlight as this year's best overall fin. Named the Liquid Blue because of its translucent look, this fin is identical in shape to the original Atomic Aquatics SplitFin, but is made of a slightly softer high-performance thermoplastic rubber material. This makes it a little lighter than the original and gives it a bit more snap. That said, the performance of the two fins is nearly identical. The Liquid Blue provides acceleration when it's time to go turbo, but is also very responsive. The Liquid Blue is just as stable as the original SplitFin, and shares the same buckle system. One of three fins rates "very good" for maneuverability.

FOOT ROCKETS - SCUBALAB FIN TEST
RODALE’S SCUBA DIVING MAGAZINE
JULY 2003

Atomic Frameless Mask

The Atomic Aquatics Frameless mask was such a hit that divers were soon asking for a smaller version—and they got it. The new Medium-Fit Frameless uses the same large Ultraclear single lens, surrounded by a soft silicone skirt (black or clear). The only difference is the size of the skirt, about a quarter-inch narrower than the original.

THE BEST GEAR OF 2007
SCUBA DIVING MAGAZINE
DECEMBER 2007

The shape of the Atomic Frameless lens was computer-designed to maximize field of view both side-to-side and vertically, and no mask tested here could beat it. In both the full-sized version and the slightly narrower Medium Fit version, we measured an impressive 85 degrees of horizontal vision and 75 degrees vertical.

BOTTOM LINE: This is our overall favorite frameless mask. It fits great, has a wide field of view, great squeeze-tab buckles, and it folds up flat in a cool low-profile case.

10 FRAMELESS MASKS
SCUBALAB REVIEW
SCUBA DIVING MAGAZINE
FEBRUARY 2008

Why Pros Rely On Atomic?

When you make your living in the water, you want your dive equipment to perform flawlessly, be comfortable and require low maintenance. Atomic Aquatics is honored to have been chosen by some of the most renowned scuba diving professionals around the world. We are humbled that the dive pros on these pages offered us their praise for the Atomic products they rely upon everyday...and we thank them for being Atomic divers.

Eric Cheng

Underwater Photographer

"I've been on Atomic Aquatics regulators (currently, the T2) for most of my diving career, and it's the one piece of gear I almost never think about. I always know that it's going to give me an easy breath of air no matter where -- or what position -- I put myself in, underwater."

Stephen Frink, The "Atomic Diver"

Underwater Photographer & Journalist

On a recent trip to Raja Ampat, I happily found myself the "Atomic Diver", diving with mask, regulator, and fins by Atomic Aquatics.

Actually, the mask had been my favorite for quite some time. Once I discovered the comfort the Atomic frameless (black, of course, to block extraneous light hitting the camera's groundglass) and optical superiority of the UltraClear lenses, I immediately adopted that as my preferred "shooter" mask. However, the regulator and fins were new to me. But once I tried them, they immediately become preferred gear as well.

Rey Castillo

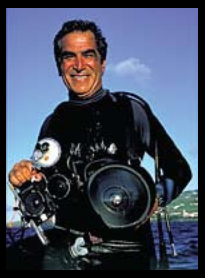
Live-Aboard Divemaster

"I have worked as a PADI Dive Instructor aboard the Solmar V live-aboard for many years, making trips to the Rev Islands (more commonly known as Socorro), the Sea of Cortez and more recently to Guadalupe Island. In December 2000 I had the opportunity to try a pair of Atomic SpitFins. I've used them on every trip since, diving several times a day, almost every day of the week. The SplitFins allow me to move easily and quickly through the water, even in places where there is surge or current. This allows me to easily and confidently look after my clients."

Tim Simond

Author of "Dive in Style"

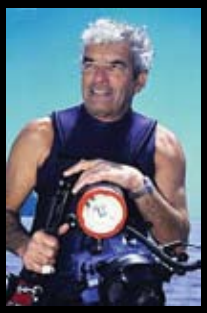
When we set out to make Dive In Style, it was clear we were going to be doing a great deal of travelling in some pretty remote locations. The aim was to combine 25 of the worlds great dive spots with an equivalent number of the most stylish resorts and live-aboards. To reduce our list to just 25 meant we had to visit many more resorts, some not making the cut, and all over a 12 month period; consequently we needed our dive gear to be both light as well as totally reliable.



Amos Nachoum

Underwater Photographer

Simply because today, more than anytime in history, we have the best specially designed equipment to handle the cold water and provide the safety margin that is required under these challenging conditions. For our breathing apparatus we have regulators specifically designed to operate flawlessly in freezing water. I have experimented with a few and the Atomic Aquatics M1 does very well for me. Never freezes and never free flows – always easy to breath when I need it most.



Eric Hanauer

Underwater Photographer & Author

"Atomic Aquatics' Ti2 combines two features that were once considered to be mutually exclusive: high performance and rock-solid reliability. For two years, I've just been able to mount it on the tank and forget it, regardless of depth, workload, or conditions. I torture-tested a prototype in the salty, arid climate of the Red Sea, washing it only once during a month of heavy-duty diving. Despite that, it went a year and half before needing its first overhaul. That's the sort of performance I can depend on, dive after dive. "

Susan Shaw

President, Divegear, Inc.

"The diversity of diving has certainly put Atomic Aquatics to the test!! I dive locally in cold water & very sandy beach conditions. My regulator has yet to free flow in these rough conditions. When traveling, as in Sipadan, every first dive starts at about 130 ft., yet, I don't notice any differences in breathing at the varied depths. I hand carry my regulator on the plane, so, its lightness certainly is a plus. I know the Titanium doesn't corrode, so, I feel confident traveling to remote areas which have no fresh water rinses.

Randall Scott

Marine Artist

"Since I was seventeen, I have dived with the best regulators in the industry. As a marine artist specializing in realism, I need dive equipment that I can depend on in order to observe and photograph the subjects I paint. When I am diving,I need to focus on the composition and light of my subjects in a limited amount of time. I can't afford to worry about what I need most... AIR!. For my diving needs, there is no other regulator, which matches the performance and dependability than the Atomic Aquatics T1."

Bonnie Pelnar

Underwater Photographer

"During a recent trip to Galapagos I realized a whole new appreciation for my Atomic Aquatics SplitFins and T1x Regulator. July is the season for whale shark sightings, but also promises cold water, washing-machine currents, and low visibility. Yet with two cameras strapped onto my BC I never hesitated to dive right in. With each encounter the opportunity to get any good photos would last only a few seconds. The whale sharks looked like they were barely moving but keeping up with them while loaded down with cameras was a challenging and exhausting task.

As the whale shark glided by me and I captured my last shot, I realized I was breathing like I had just run a marathon, yet my Atomic Aquatics regulator kept on delivering. Out of film and energy I surfaced and climbed aboard the panga, realizing that I wouldn't have been able to do this had it not been for the performance of my Atomic Aquatics regulator and split fins.

Cliff Horton

Dive Master

"The Atomic Aquatics Titanium regulator has exceeded my scuba diving expectations. I've been diving for 11 years and teaching recreational diving for 9 years. One of ways I make the most of my diving is by using the best equipment available. The Titanium gives me the confidence of effortlessly breathing at any depth. I can miss a fresh water rinse once in a while and know beyond a shadow of a doubt that my Atomic Aquatics will work perfectly because the material just won't corrode. This Atomic Aquatic Titanium regulator allows me to worry less about keeping my gear clean and allows me more time to enjoy my scuba diving adventures."

Bret Gilliam

Underwater Photographer/ Entrepreneur

I rarely join in internet chat discussions, but in this case I'm compelled to comment. As a preamble for the purposes of qualifying my expertise, I've been professionally involved in diving for 37 years (ex-Chairman of NAUI, founder and ex-President of TDI/SDI training agencies, ex-President and CEO of UWATEC, founder and ex-publisher of Fathoms magazine as well as editing Scuba Times, Deep Tech, and Rodale's Scuba Diving, ex-world depth record holder on scuba 475 ft., co-founder of the world's largest diving operation Ocean Quest International, and author/editor of 37 books...), I'm retired now and living the good life but still traveling all over the world diving on special projects.

The best regulators in the frigging world are made by Atomic. They have superb performance, flawless reliability, and the best customer service in the industry. I've been using their Titanium series since 1996 and would not even think of diving with anything else. The guys that run the company are the best examples of business ethics you'll find. You can buy an Atomic regulator and rely on it for virtually any type of diving. I've known Doug, Dean, and Seamus for years and you can trust your life with their products.

It's the best investment you'll ever make in diving equipment. I can afford anything and most companies would pay me to use their gear. I choose Atomic because it's simply the best stuff out there.

diving since 1959, professionally since January 1971

Jerry Mix

Businessman/ Water Polo Coach & Masters Athlete

President and founder of Watt Stopper, and an entrepreneurial spirit, Jerry works with technology and people to make a positive impact on the world. "My passion is about protecting the earth and enjoying Water Sports—when in the water or around it, I feel life is full. Using Atomic Aquatics dive equipment is pure joy.

David Blaine

Master Stunt Artist/Magician

In May, 2006 David Blaine relied on Atomic Aquatics products as he was submerged underwater for an entire week - longer than any other human being...ever! Blaine stayed underwater breathing an Atomic Aquatics T2 for countless hours at a time. He was very impressed with the Atomic Aquatics T2 and SubFrame mask stating that the regulator breathed flawlessly throughout the week and left him without any jaw fatigue or soreness in the mouth.

Kevin Costner

Actor, Producer, Director

I have had difficulty in the past finding a mask that fits, so I was extremely excited to find your Frameless mask. It fits great and gives me a wide field of view to take in all there is to see of this waterworld. You would think that it would have been the easiest thing to find but it has been the hardest. Everything underwater begins with the basic desire to see and enjoy, I'm glad my search is over!

Edward Norton

Actor, Producer, Screenwriter, and Director

Recently Edward purchased two Atomic Aquatics T2 Titanium regulators and two SS1 Titanium safe second stages. "I wanted the best equipment available to use during a marine life research project off the coast of California at Catalina Island. When it came to buying equipment, Atomic Aquatics was an easy choice. The T2 and SS1 has performed flawlessly every dive."

Anthony Robbins

International Motivational Speaker

"Throughout my life I have always strived to bring performance to the next level. In order to achieve the best results I have learned it is necessary to use the best products available. As a diving enthusiast and owner of a diving resort, I only want to use the highest quality products available. The Atomic Aquatics regulators provide an unsurpassed level of reliability and safety."

Bob Talbot

Marine photographer, Filmmaker, and Environmentalist

Bob Talbot has combined his unique visual style and storytelling ability with state-of-the-art entertainment technologies to create intimate ocean experiences on film. Among his many accomplishments are millions of lithographs distributed around the world and significant motion picture work. Talbot filmed the wildlife sequences for the Warner Bros. series of FREE WILLY feature films and Universal Pictures' FLIPPER in addition to other notable productions.

Bob Talbot and Atomic Aquatics became acquainted during the DEMA show in 1991. "His work was just so much better than anything else we had ever seen, stunning photos of whales—absolutely the best!" As soon as Atomic Aquatics was formed, Bob Talbot was one of the first people in the world to dive an Atomic T1 Titanium regulator. www.talbotproductions.com

Wyland

Marine Life Artist

Wyland is an accomplished painter, sculptor, photographer, writer and SCUBA diver. As one of America's leading contemporary artists, Wyland's marine life paintings and murals are highly regarded around the world as unique creative influences in building awareness for the conservation of our ocean environments. During one of his many dive trips, Wyland received the recommendation of his friend, photographer Stephen Frink, to dive with an Atomic SubFrame Mask. He now relies on the UltraClear lens and wide field of view of his Atomic mask to witness the beauty of the aquatic world for his crucial work.

*Atomic is proud to partner with **The Wyland Foundation**, which is dedicated to promoting, protecting, and preserving the world's oceans, waterways and marine life. The foundation encourages environmental awareness through education programs, public arts projects, and community events. For more information, please visit www.wylandfoundation.org.*

You Have More Questions?

We Have Your Answers...

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ATOMIC
AQUATICS

At Atomic Aquatics,

tomorrow

is our favorite day
of the week.

Atomic is constantly working on new equipment designs to make your dive experience even better.
Visit our website often to see the latest Atomic products.

www.atomicaquatics.com