

USER MANUAL

ATOMIC
AQUATICS



SS1

Safe Second Inflator

Ai

Inflator

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THIS MANUAL COVERS THE FOLLOWING PRODUCTS:

- 14-0101-3P SS1 Safe Second Titanium, Black
- 14-0001-3P SS1 Safe Second Stainless, Red.
- 14-0002-3P SS1 Safe Second Stainless, Yellow.
- 14-0003-3P SS1 Safe Second Stainless, Blue.
- 14-0007-3P SS1 Safe Second Stainless, Aqua.
- 14-0200-3P Al Atomic Inflator, Black, Ti.
- 14-0201-3P Al Atomic Inflator, Red, SS.

CE CERTIFICATION

MANUFACTURER

Huish Outdoors 1540 N 2200 W
Salt Lake City, UT 84116 – USA

HUISH OUTDOORS AUTHORIZED EUROPEAN MARKET

REPRESENTATIVE:

Huish Outdoors LLC (BARE Sports)
Factory BLB019C, Bulebel Ind Estate
Zejtun, ZTN 3000 Malta

MODULE D CERTIFICATE MAINTAINED BY:

SGS Fimko Oy (Notified Body 0598)
Takomotie 8
FI-00380 Helsinki
Finland

EU TYPE EXAMINATION CONDUCTED BY:

SGS Fimko Oy (Notified Body 0598)
Takomotie 8
FI-00380 Helsinki
Finland

All products sold by Huish Outdoors in the EU meet the following requirements where applicable. The SS1 is designed to protect against the risk of drowning and conforms to all applicable health and safety requirements of Regulation (EU) 2016/425 Personal Protective Equipment (PPE) as a category 3 product.



Declaration of Conformity –

www.huishoutdoors.com/eu-declarations/

Document Control Number:
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GENERAL WARNINGS AND PRECAUTIONS

For more information please refer to document SH.01.12.0004 Regulator Manual Insert.

The SS1 is designed to protect against the risk of drowning. Read and understand the User's Guide completely before diving with any SCUBA diving regulator.

WARNING: Before each dive, inspect and test this regulator for proper operation. If any part does not function properly, DO NOT USE!

WARNING: To prevent illness or injury gas should never be inhaled from the Buoyancy Compensator bladder.

WARNING: These products are intended to be fitted to certified and approved buoyancy compensation devices (BCD) in accordance with EN1809 and are for use only by divers who have received certification from a nationally recognized course in basic open water SCUBA or higher. Fitting these products to a certified BCD may affect the certification of the BCD.

SCUBA diving regulators or power inflators should NOT be used or handled until properly trained and fully understanding the risks and hazards of SCUBA diving.

WARNING: Inspect the cylinder valve for contamination or damage. High pressure cylinders present a risk of injury or death. Care must be taken to avoid impact to the cylinder or valve. Always open cylinder valves very slowly. Always point the valve outlet away from yourself or others when opening.

WARNING: DO NOT attempt to disassemble or repair the first or second stages, or to adjust the first stage. Doing so could cause malfunction while underwater, possibly resulting in serious injury or death. It will also void the regulator's warranty.

WARNING: Regulators certified for use as Auxiliary Emergency Breathing Systems (Octopus) are marked with "A", i.e. EN250A. SCUBA devices configured for and used by more than one diver at the same time are not recommended to be used at depths greater than 30 m (98 ft) and in water temperatures less than 10°C / 50°F.

WARNING: SCUBA diving in water colder than 10°C / 50°F requires special equipment, training, and preparation to prevent injury or death. Training for cold water is available from a recognized and accredited SCUBA training organization. When regulators get cold and wet, freezing can occur. Regulator

freezing can result in rapid loss of air that may lead to injury or death. The SS1 has been tested, certified and is suitable for use in water temperatures below 10°C (50°F) when connected to an Atomic Aquatics sealed first stage that is also certified and suitable for use in water temperatures below 10°C (50°F) and for Auxiliary Emergency Breathing.

WARNING: Improper installation of these products to Buoyancy Compensating Devices (BCD) or accessories may result in injury or death. We strongly recommend that the installation to a BCD or of accessories be done by Huish Outdoors trained personnel in an authorized service facility, to ensure correct selection and fitment to a BCD. Failure to prepare your regulator, SS1, Ai or attachment to a BCD properly for general use or in harsh environmental conditions, such as being subjected to, buoyancy pressure, sediment or the possible buildup of ice, or salt crystals, may result in injury or death. Under no circumstances should adjustment of a first stage regulator be performed by anyone other than an Authorized Huish Outdoors Dealer. Doing so may cause failure underwater, resulting in injury or death. If you intend to dive in conditions other than those in which you received basic open water training, such as in cold water or other more severe environments, consult a professional dive instructor who is familiar with local conditions for supplemental training and

best practices for that specific area. This training should include any special preparation of or handling of the equipment you intend to use. If you have not prepared for diving in an unfamiliar environment do not dive. The Authorized Huish Outdoors Dealer in the area in which you want to dive should be able to provide guidance.

WARNING: This SS1 with your demand regulator must be used together with an instrument that measures and indicates the user's air supply pressure. Air supplies used with the regulator must meet requirements for breathable air: Grade E in the U.S.A. or EN12021 Breathing Air requirements of Europe.

WARNING: Oxygen exposure can be toxic and can cause injury or death. The maximum operating depth and exposure times are dependent on the oxygen content of the gas you are using. A gas with more than 22% oxygen is considered to have a high percentage of oxygen and is called Enriched Air Nitrox (EAN). Diving with Nitrox requires specialized advanced training and you must not dive with Nitrox unless certified for this specialty by a nationally-recognized training agency. Use of Nitrox or oxygen introduces a risk of a catastrophic fire; the risk increases with the percentage of oxygen in the gas. Special care must be taken to reduce this risk.

THE SIGNIFICANCE OF MARKINGS:

Products carrying the mark CE 0598 have been subjected to EU type examination in accordance with harmonized standard EN250:2014 to a maximum depth of 50 meters (164ft) and conforms to all applicable essential health and safety requirements of Regulation (EU) 2016/425 Personal Protective Equipment (PPE). Annual Module D surveillance audits are conducted by: SGS Fimko Oy, Takomotie 8, Helsinki, 00380, Finland, Notified Body No. 0598. All products sold by Huish Outdoors in the EU (European Union) meet the following requirements where applicable. Compliance with the following where applicable.

EN 250:2014: This standard describes certain minimum performance requirements for SCUBA regulators sold in the EU (European Union). Testing identifies regulators that should not be used in water colder than 10°C / 50°F, these regulators are marked >10°C. All other regulators are suitable for use in cold-water temperatures below 10°C / 50°F, in accordance with EN250 requirements.

EN ISO 12209:2013+A1:2016: All Huish Outdoors regulator's thread and yoke connection conforms to ISO 12209. Maximum working pressure; Threaded DIN:300 bar (4351 psi), Yoke: 232 bar (3365 psi).

EN13949:2003: This standard describes special qualification testing for regulators that are to be used with gases whose oxygen content is greater than 22%. Regulators that have passed testing are marked NITROX.

EN12021:2014: This standard specifies the allowable contaminants and component gases that make up with compressed breathing air. This standard is the equivalent of the USA Compressed Gas Association's Grade E air. Both standards allow very small amounts of contaminants that are not harmful to breathe, but can cause a problem if present in systems using gases with a high percentage of oxygen.

EN1809:2014+A1:2016: this standard describes the qualification and testing of Buoyancy Compensators.

POST DIVE CARE:

After use, the regulator must be cleaned and dried before storage. Before cleaning the regulator, ensure that the inlet protector cap is in place. If equipped with a breathing effort adjustment knob, the knob should be turned clockwise until it stops. The best way to clean the regulator is to place the regulator on a cylinder, pressurize the regulator, then immerse the regulator and the cylinder in a container of warm fresh water and soak for 30 minutes or more. If a cylinder is not available, ensure that the inlet protector cap is securely in place and immerse in a shallow container of warm water and soak for 30 minutes or more. After cleaning, wipe the regulator with a towel and hang to air dry. Do not store the regulator with hoses tightly coiled.

MAINTENANCE AND REPAIR:

Due to variations of use and storage time that Equipment may be subjected to, the Guidelines and defined intervals are subject to the discretion of the owner of the specific product. Inspection and/or service indicated in this user manual must be performed only by an Authorized Hush Outdoors Dealer. Service intervals can be found in this user manual. Exceeding recommended service intervals will void manufacturer's warranty. Regardless of ownership or intended use: Equipment should be inspected/serviced if it displays any signs of leakage, malfunction, free flowing, any signs of deterioration, or improper performance or breathing effort. Equipment should be inspected/serviced if the first stage inlet filter shows any sign of residue or discoloration. Equipment must be inspected and or serviced on an annual basis or as directed in the product user manual.



WARNING

ENRICHED AIR NITROX (EAN) USE — OUTSIDE EU (EUROPEAN UNION) COUNTRIES.

This SS1 safe second/inflator has been assembled, cleaned and made compatible for enriched air Nitrox (EAN) to a maximum 50% oxygen concentration. They do not require additional cleaning or servicing. Do not under any circumstances use this regulator with pure oxygen or any gas mixture exceeding 50% oxygen. Failure to comply with the above warnings could cause serious personal injury or death from fire or explosion. Do not use silicone or petroleum based greases or oils in or around regulators being used for EAN Nitrox or oxygen mixes.

The SS1 need not be dedicated for EAN use, provided that they are only used with oxygen compatible or 'Hyper-filtered' air or EAN mixtures with a hydrocarbon content not greater than 0.1 mg/m³. Note: Standard compressed breathing air such as EN12021 or Grade E does not necessarily meet this criteria, which can allow a hydrocarbon

content greater than 0.1 mg/m³, and while not considered harmful to breathe this can pose a risk in the presence of elevated oxygen. Passing hydrocarbons through a regulator creates a cumulative effect where hydrocarbons build up over time, and when these hydrocarbons come into contact with elevated levels of oxygen they are at risk of combustion. Therefore, if a regulator has been used with Grade E or EN12021 standard breathing air, it should be returned to an Atomic Aquatics authorized dealer for cleaning.

Disregarding these rules could result in serious injury or death caused by fire or explosion.

If you have any doubt consult with your local Atomic Aquatics dealer.



WARNING

ENRICHED AIR NITROX (EAN) USE — INSIDE EU (EUROPEAN UNION) COUNTRIES, WHERE EN 144-3 AND EN13949 APPLY.

In EU countries, diving with EAN/Oxygen is controlled by standards EN 144-3 – Respiratory protective devices – Gas cylinder valves – Part 3: Outlet connections for diving gases Nitrox and Oxygen and also EN 13949 – Respiratory equipment – Open circuit self-contained diving apparatus for use with compressed Nitrox and Oxygen – requirements, testing and marking.

Atomic Aquatics SS1 is designed and only suitable for use with compressed breathing air (21% oxygen and 79% nitrogen). DO NOT USE this equipment with other mixtures or with gases containing more than 21% oxygen.

INTRODUCTION

Thank you for choosing Atomic Aquatics. Our company is dedicated to creating and manufacturing only the finest diving products. Since our first product release of the world's first titanium diving regulators, our regulators have received worldwide acclaim for performance, ergonomics and quality.

The SS1 integrates the functions of the safe second for use as an auxiliary emergency breathing source and bouyancy compensator (BC) power inflator into one compact, low profile unit. The SS1 is the most advanced, highest quality and best performing product of its type. It is the first safe second/inflator with primary regulator performance. The innovative design of the SS1 makes it both easy to use and easy to maintain. The design is complimented by using only the finest materials (titanium, 316 stainless steel, chrome plated brass, various engineering polymers and silicone elastomers) resulting in unsurpassed reliability and trouble free performance.



BEFORE USE WARRANTY REGISTRATION

Your product has a limited **LIFETIME WARRANTY**. Registration enables you to obtain warranty service and helps us contact you with safety notices, service updates, or changes regarding your regulator. For your convenience, **you can register online at www.atomicaquatics.com**.

SS1 PRODUCT DESCRIPTION

The SS1 is a combination safe second and power inflator for back-up auxiliary emergency breathing in the event of a malfunction of the primary second stage or air sharing with another diver. It offers push button pneumatic or oral inflation of the buoyancy control device (BCD), push button deflation, and breathing from the primary air supply. It may be used in place of, or in addition to an auxiliary emergency breathing demand valve, (octopus) regulator. The SS1 does not include a redundant air supply or separate first stage. It is attached to one of the low-pressure ports of your primary first stage normally used for your power inflator. A specially designed, high-flow quick disconnect is supplied with your SS1. The SS1 will connect to virtually any existing BCD inflation hose via specialized adapters configured to fit various corrugated hose sizes. This feature exclusive to Atomic Aquatics allows quick and easy removal of the SS1 from your BCD for transport or use on another BCD (Fig. 1).

Ai PRODUCT DESCRIPTION

The Ai offers push button pneumatic or oral inflation of the buoyancy control device (BCD), and push button deflation. The Ai does not include a redundant air supply or separate first stage. It is attached to one of the low-pressure ports of your primary first stage. A specially designed, quick disconnect is supplied with your Ai. The Ai will connect to virtually any existing BCD inflation hose via specialized adapters configured to fit various corrugated hose sizes. This feature exclusive to Atomic Aquatics allows quick and easy removal of the Ai from your BCD for transport or use on another BCD



FIGURE 1: SS1, Ai AND ADAPTERS

PRODUCT ADVANTAGES (SS1)

When used in place of a conventional octopus set-up, the SS1 offers several advantages.

Less gear, less weight, fewer hoses.

The SS1 is only slightly larger than the inflator it replaces and uses a single low-pressure hose routed the same as your standard inflator hose. It combines the functions of two products into one. Less equipment means less weight and a more streamlined profile. One less hose reduces snagging problems.

Familiarity of location.

The SS1 is placed in the same location on your BCD as your previous inflator. It is in a fixed location where you always know where it is.

Familiarity through frequent use.

Since the inflator of the SS1 is used constantly throughout the dive, the diver becomes intimately aware of its operation and condition. You know not only where it is, but how it works, and that it works when you need it.

IMPORTANT FEATURES

Built for performance (SS1).

Typically, many octopus units and safe second/inflators don't deliver the same performance as a primary second stage. The SS1 brings you the same high quality performance, design and workmanship Atomic Aquatics has become famous for. The breathing performance is comparable to or exceeds that of many primary regulators.

Dependable: 2-year service interval (SS1).

Featuring the exclusive Atomic "seat saving orifice" (patent #5,803,073) and constructed of the finest corrosion resistant materials, the SS1 features an unparalleled two-year service interval and limited lifetime warranty.

A constant problem in second stage regulators of most other brands is the rubber valve seat. In standard designs, this seat is pushed tight against a sharp edged orifice from the day it leaves the factory, eventually making a deep impression in the seat resulting in poor performance and annoying leaks. The orifice of the SS1 only contacts the seat when pressurized. When not being used, the orifice automatically retracts away from the seat just enough to prevent damage during storage. This dramatically increases the service life and maintains like new performance.

Dependable: 2-3 year service interval (Ai).

The major service interval is every two years or 200 dive hours for the Stainless Steel Ai, or every three years or 300 dive hours for the Titanium Ai. Constructed of the finest corrosion resistant materials, the Ai features an unparalleled two-year service interval for the Stainless Steel Ai, a three year service interval for the Titanium and limited lifetime warranty.

Adaptable: Attaches to almost any BCD.

The SS1 or Ai can be used with virtually any manufacturers BCD by utilizing specially designed adapters (patent pending) that allow the SS1 or Ai to work with a variety of hose designs and sizes.

Convenient: Exclusive Quick Disconnect System.

Exclusive to Atomic Aquatics, the quick disconnect adapter system allows quick and easy detachment of the SS1 or Ai from your BCD for transport and storage with your primary regulator system or even switching to another BCD.

Designed for Comfort and Function.

The low profile elliptical shape lies flatter on your BCD than existing designs and is more hydrodynamic. The control buttons are very large, ergonomically placed and surfaced by a soft, tactile elastomer. The entire front cover is flexible and can be used to purge the regulator.

SET-UP



CAUTION

These instructions are provided for the convenience of those capable and familiar with set-up of this type of equipment. It is strongly recommended that your professional retailer or scuba repair technician do the final installation and check of the SS1 or Ai.



WARNING!

Do not connect the inflator hose or any low-pressure hose to a high-pressure (HP) port of the first stage. The hose could rupture and could cause serious personal injury.

Do not assemble the high-pressure gauge to any of the low-pressure (LP) ports or the gauge will not indicate cylinder pressure. Consult with your dealer if you have any doubts about set up of this equipment.

Low Pressure Hose and Quick Disconnect

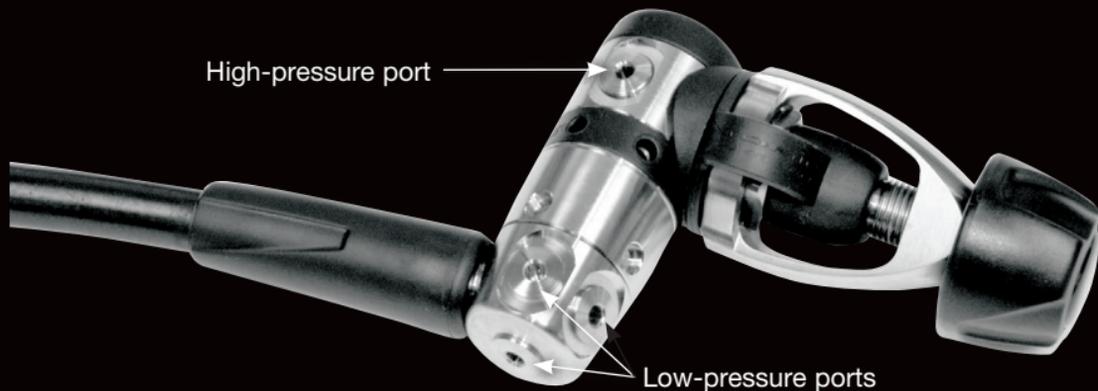
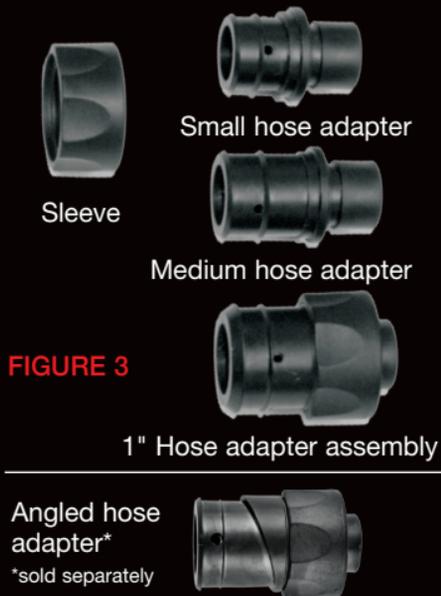


FIGURE 2: FIRST STAGE AND HOSE

The low-pressure hose with quick disconnect fitting installs into one of the low-pressure ports of your first stage regulator. It is compatible with any conventional first stage operating with an intermediate pressure of 125-145 psi.

Your regulator first stage will normally have multiple low-pressure (LP) ports for the attachment of second stages and inflators (usually thread size 3/8-24), and one or more high pressure (HP) ports for the attachment of pressure gauges and dive computers (usually a larger thread size 7/16-20). Choose the low-pressure port

that gives you the best orientation for your particular BCD set-up. The LP hose and quick disconnect is usually routed over the left shoulder where it follows the corrugated hose of your BCD. The LP port plug is removed by unscrewing with a 5/32 (4mm) hex wrench. Install the LP hose with quick disconnect into the port of choice and snug up with a wrench. Do not over tighten as this will not improve the seal and may damage the threads.



Assemble SS1 or Ai adapter to BCD corrugated hose

Your SS1 or Ai was shipped with a set of hose adapters. One of these adapters will be the proper size for your particular BCD hose. The most common is the 1" inside diameter hose, found on nearly all of the BCD's used today. Once selected, the appropriate adapter will be installed to the BCD corrugated hose and clamped on place. The SS1 or Ai can then be threaded onto the adapter. The SS1 or Ai can be removed from the BCD by simply unscrewing the adapter. This feature allows you to remove the SS1 or Ai for transport with your primary regulator or use on a second BCD (Fig 3).

If you have an existing inflator, remove it from the end of your BCD hose. This is usually done by cutting the disposable plastic clamp, or if fitted with a reusable one, unthreading the screws to loosen it. The nipple of the old inflator may then be pulled or twisted from the corrugated hose. In some instances the hose may be glued in place for extra security with rubber cement. If so, carefully work a screwdriver or suitable tool under the hose to break the glue bond. Be careful not to cut or puncture the hose. If your BCD has a cable attached to the nipple of the inflator for dumping air, push the retaining pin out of the inflator and disconnect it from the cable.

Select the appropriate sized adapter that fits your particular BCD hose. Insert and remove the barbed end of the adapter to check the fit. **The correct adapter may fit snugly but should never fit loosely.** If you are using one of the smaller adapters, slip the threaded sleeve over the barbed end of the adapter before connecting the cable or installing into the corrugated hose (Fig. 4).

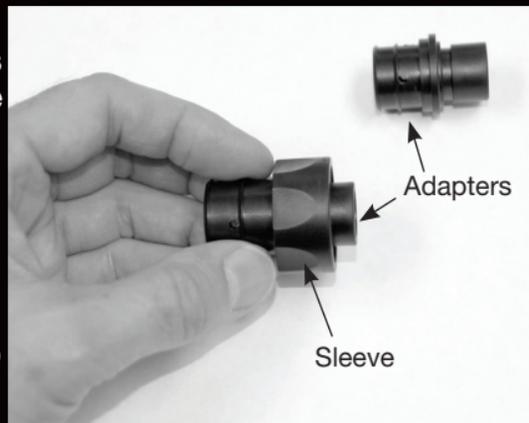


FIGURE 4



FIG. 5: CABLE & PIN

the inside flange of the corrugated hose, then insert the barbed nipple. Make sure the adapter sleeve is in place and the hose is not pushed tight against it, or it will not spin freely. Secure the nipple to the hose with either the new plastic cable ties or the re-usable plastic clamp that was originally on your BCD (Fig. 6).

To attach the SS1 or Ai to the adapter, slide the adapter into the threaded fitting on the SS1 or Ai and tighten hand tight. It should be snug enough that -it will not become unscrewed accidentally yet not so tight as to damage the plastic parts (Fig 7).

Once you have determined the proper adapter, re-connect the cable (if present) by placing the pin through the loop of the cable and inserting the pin through the holes in the adapter (Fig 5). There are 3 different pins, one for each size adapter. **Be sure to use the correct pin for the adapter you are using.** The correct pin should fit completely through and be flush with the outside diameter of the adapter. You are now ready to secure the corrugated hose to the adapter nipple.

We recommend placing a thin coating of rubber or neoprene (wetsuit) cement on to the outside of the adapter nipple where it connects to the corrugated hose. Apply glue to



FIG. 6: PLASTIC CLAMPS



FIG. 7: ATTACHING SS1 TO ADAPTER



FIG. 8: ATTACHING QUICK DISCONNECT

Final Check

Attach the Quick disconnect fitting to the SS1 or Ai by sliding back the sleeve and pushing it onto the metal nipple of the SS1 or Ai (Fig. 8), then release the sleeve. This may be done before or after the air is turned on. Slowly turn on the air. Test the SS1 or Ai for inflation of the BCD and deflation, using the deflation button. Fully inflate the BCD and leave inflated for a few minutes to check the security and leaks around the corrugated hose and fittings. Submerge all connections in water and check for bubbles/leaks. If there was a cable dump attached to the SS1 or Ai, fully inflate the BCD and pull the corrugated hose to check for proper operation. Lastly, check the breathing operation of the SS1 regulator.

DIVE OPERATION



FIGURE 9: INFLATE / DEFLATE

Operation of the SS1 or Ai is the same as any conventional inflator. Pneumatic inflation is done by depressing the smaller, oval shaped inflation button. Deflation is done by holding the SS1 or Ai overhead and partially depressing the larger deflation button. The SS1 or Ai can be manually (orally) inflated by fully depressing the deflation button and exhaling air into the mouthpiece. Fully depressing the button seals off the regulator exhaust valve and directs the exhaled air into the BCD to inflate it. Release the deflation button to keep the air in the BCD (Fig. 9).

If your BCD is fitted with a cable type dump, it should function the same as your old inflator.

Back-up Breathing (SS1 only)

The SS1 breathes like any conventional second stage. Clear the SS1 of water by first exhaling or using the purge button (front cover), then breathe normally through the mouthpiece. The SS1 is designed primarily for back-up auxiliary emergency breathing in the event of a second stage malfunction or air sharing. Be aware that if the SS1 is installed on your primary first stage regulator, it will not function in the event of first stage failure or out of air condition.



WARNING!

In the event of air sharing with another diver, it is important that the SS1 is used by the donor and not given to the person out of air. The person out of air is given the donors' primary regulator. The corrugated BCD hose is too short to allow proper use of the SS1 by another diver, and the donor would be left without control of the inflator for control of their BCD. It is strongly recommended that these skills be mastered and performed under supervision of an instructor before attempting in open water.



CAUTION

Do's and Don'ts

Do set up your equipment carefully before each dive and check your entire system for signs of damage, loose hose fittings, or air leaks. Make sure the yoke knob or threaded connection on your first stage is hand tight before turning your air supply on. Check your inflator for proper inflation and deflation. Purge the regulator and take a test breath before entering the water.

Don't use your SS1 or Ai if you notice any problems, leaks, or malfunctions. Return it to the factory or authorized dealer to have it checked or repaired.

Don't pick up your cylinder by the hoses. You may damage them or work loose a connection that could lead to loss of air.

Post Dive Care

A simple fresh water rinse after every dive to clean the SS1 or Ai of salt, sand or dirt is all that is required. Rinse around the buttons through the mouthpiece. If the SS1 is soaked, it should be pressurized, the inflation valve operated, and the regulator purged to blow out any accumulated water before storage.

Store the SS1 or Ai out of the sun to prevent fading and deterioration of the rubber and plastic parts, away from excessive heat, humidity or insects.

The SS1 or Ai can be easily removed from the BCD for storage with your primary regulator by unscrewing the adapter and separating it from the BCD hose.

Required Maintenance

The major service interval is every two years or 200 dive hours for the SS1 or Stainless Steel Ai, or every three years or 300 dive hours for the Titanium Ai. We recommend that you take your SS1 to an authorized Atomic Aquatics dealer annually for a safety inspection. At this time, they will inspect and check for proper operation, and advise if a major service is required. The major service will include replacement of all seals, seats and o-rings. The labor charges for this service will vary with the individual dealer. Parts replacement will be in accordance with the terms of the limited lifetime warranty in this manual. Factory service is also available.



CAUTION

Do not attempt any disassembly or repair of the SS1 or Ai. Disassembly and service of the SS1 or Ai must only be performed by an authorized, factory trained scuba repair technician or by the factory.

SPECIFICATIONS: SS1

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	200 g (7 oz.)	180 g (6.3 oz)
LP hose/w disconnect	200 g (7oz.)	190 g (6.7 oz.)
LP hose length (all)	71 cm (28")	
Pressure rating (all)	8.6-10 bar (125-145 psi)	

LIMITED LIFETIME WARRANTY

Atomic Aquatics warrants the SS1 safe second/inflator and the Ai inflator against defects in materials and workmanship for the lifetime of the original owner with the exception of mouthpieces (SS1 only), hoses, o-rings, or valve seats, which are warranted for 2 years.

Atomic Aquatics will at its option repair or replace any components it finds defective.

This warranty covers only SS1 and Ai inflators purchased from **authorized Atomic Aquatics dealers**. To activate this warranty you must complete warranty registration within 30 days of purchase. Warranty registration is available at www.atomicaquatics.com.

All titanium or stainless steel components are warranted for the lifetime of the original owner against the effects of corrosion. Chromed or plated brass components are subject to corrosion and require as a minimum reasonable maintenance fresh water rinsing after use in salt water and proper storage as described in this manual.

This warranty is not contingent upon proof of service and will maintain in effect for the lifetime of the original owner. It is recommended however that maintenance

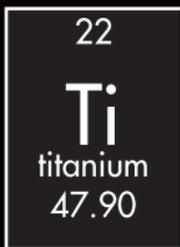
include an annual safety inspection to be performed by an authorized Atomic Aquatics dealer or by the factory.

To obtain warranty service, you must deliver the SS1 or Ai to Atomic Aquatics or one of its authorized repair facilities. If you send the SS1 or Ai to the factory, you must pay the shipping charges to the factory. If the SS1 or Ai is returned to the factory and it is determined that the problem is due to material or manufacturing defect, there will be no charge for parts, labor or return shipping within the continental USA.

This warranty does not cover damage or defect due to neglect, misuse, alteration, or attempted repairs by someone other than an authorized dealer.

Atomic Aquatics shall not be liable for loss of use of this product or incidental or consequential costs or damages incurred with the use of this SS1 or Ai. Some states do not allow this exclusion so the above may not apply to you.

This warranty gives you specific legal rights and you may have other rights, which vary from state to state.



ATOMIC
AQUATICS

Toll Free: (888) 270-8595
www.atomicaquatics.com

MADE IN THE U.S.A.