

## Atomic Aquatics SS1

# Atomic Aquatics SS1 Integrated Inflator Octo User Manual

Model: SS1

## INTRODUCTION

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The Atomic Aquatics SS1 is an advanced integrated safe-second/inflator designed for scuba diving. This device combines the functionality of an alternate air source and a BCD inflator into a single unit, streamlining your dive setup. It is engineered to provide high performance breathing, comparable to primary regulators, ensuring reliability and ease of use in various underwater conditions.

This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your SS1 unit.

## PRODUCT OVERVIEW

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Image: The Atomic Aquatics SS1 Integrated Inflator Octo, featuring a purple faceplate and buttons, connected to a black corrugated BCD inflator hose.

The SS1 unit integrates an alternate air source (octopus) with the BCD power inflator. This design reduces the number of hoses on your diving equipment, offering a more streamlined and less cluttered profile. It is available in various finishes, including Stainless Steel and Titanium options, providing excellent corrosion resistance and durability.

## SETUP INSTRUCTIONS

1. **Inspect Components:** Before installation, ensure all components are present and free from damage. Verify that the necessary adapters for your BCD are included. The SS1 is designed to be compatible with most BCD brands, and specific adapters may be required.
2. **Connect to BCD:** Attach the SS1 unit to your BCD's corrugated inflator hose. Ensure a secure connection to prevent air leaks. If your BCD requires a specific adapter, install it first according to the adapter's instructions, then connect the SS1.
3. **Connect Low-Pressure Hose:** Connect the low-pressure inflator hose from your first stage regulator to the SS1's low-pressure port. Hand-tighten the connection securely.
4. **Functionality Check:** After installation, connect your first stage to a charged scuba cylinder. Slowly open the cylinder valve. Check for any audible air leaks. Test the BCD inflation and deflation buttons, and perform a few test breaths from the SS1 mouthpiece to ensure proper air delivery.

## OPERATING INSTRUCTIONS

### Using as an Alternate Air Source (Octopus)

- In an out-of-air emergency, the SS1 serves as a reliable alternate air source.

- Present the SS1 mouthpiece to your buddy. The high-flow design ensures easy breathing with minimal effort, similar to a primary regulator.
- Ensure the mouthpiece is cleared of water before breathing.

Using as a BCD Inflator/Deflator

- **Inflation:** Press the designated inflation button (typically located on the top or side) to add air to your BCD. Release the button to stop inflation.
- **Deflation:** Press the designated deflation button (typically located on the bottom or side) to release air from your BCD. Release the button to stop deflation.
- Familiarize yourself with the location and feel of both buttons before diving.

MAINTENANCE

Proper maintenance is crucial for the longevity and safe operation of your Atomic Aquatics SS1.

- **Rinsing:** After each dive, thoroughly rinse the SS1 with fresh water while still pressurized. Depress the purge button and the inflator/deflator buttons several times during rinsing to flush out salt and debris.
- **Drying:** Allow the unit to air dry completely in a shaded, well-ventilated area before storage. Avoid direct sunlight.
- **Storage:** Store the SS1 in a cool, dry place, away from direct sunlight, chemicals, and extreme temperatures.
- **Corrosion Resistance:** The SS1 is constructed from high-quality Stainless Steel or Titanium (depending on the model), offering excellent corrosion resistance. However, proper rinsing and care are still essential to maintain its integrity.
- **Professional Servicing:** It is recommended to have your SS1 professionally serviced by an authorized Atomic Aquatics technician annually or after every 100 dives, whichever comes first. This ensures optimal performance and safety.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Air leak from SS1	Loose hose connection, damaged O-ring, debris in valve.	Check and tighten all hose connections. Inspect O-rings for damage and replace if necessary. Rinse thoroughly to dislodge debris. If problem persists, seek professional service.
Difficulty breathing from SS1	Low tank pressure, restricted airflow, internal component issue.	Check tank pressure. Ensure low-pressure hose is not kinked. Purge the regulator to clear any water. If breathing remains difficult, discontinue use and have it serviced.
BCD inflates/deflates slowly or not at all	Low tank pressure, inflator button stuck, BCD valve issue.	Verify adequate tank pressure. Rinse buttons thoroughly to free any sticking. Check BCD's internal inflator mechanism.
Missing adapters for BCD connection	Adapters not included in package or misplaced.	Contact your retailer or Atomic Aquatics customer support to obtain the correct adapters for your BCD model.

## SPECIFICATIONS

Feature	Detail
Model Name	SS1
Brand	Atomic Aquatics
Type	Integrated Inflator/Alternate Air Source (Octo)
Material Options	Stainless Steel, Titanium (Black version)
Item Weight	Approximately 1.4 Pounds (0.64 kg)
Color (as pictured)	Purple
Compatibility	Compatible with most BCDs (adapters included)
Included Components	Regulator unit, BCD adapters
Country of Origin	Andorra

## WARRANTY INFORMATION

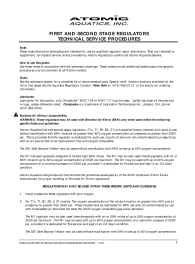

Atomic Aquatics provides a limited warranty for the SS1 Integrated Inflator Octo. The specific terms and duration of the warranty may vary. Please retain your proof of purchase. For detailed warranty information, including coverage and how to make a claim, please refer to the official Atomic Aquatics website or contact their customer service directly.





## CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to order replacement parts, please contact Atomic Aquatics customer support.

- **Website:** Visit the official [Atomic Aquatics website](#) for product information, FAQs, and service center locations.
- **Authorized Dealers:** For local support and servicing, locate an authorized Atomic Aquatics dealer near you.

## Related Documents - SS1

	<p><a href="#">Atomic Aquatics Regulator Service Manual: Technical Procedures for First and Second Stages</a></p> <p>Comprehensive technical service procedures for Atomic Aquatics first and second stage regulators, including models T1x, T1, B1, B2, Z1, M1, and SS1. Covers maintenance, troubleshooting, and assembly/disassembly.</p>
	<p><a href="#">Atomic Aquatics Regulator Owners Manual: T2x, ST1, M1, B2, Z2/Z2x</a></p> <p>Comprehensive owners manual for Atomic Aquatics T2x, ST1, M1, B2, and Z2/Z2x scuba diving regulators. Covers features, setup, operation, maintenance, and warranty information.</p>

 <p>Titanium Regulators</p>	<p><a href="#">Atomic Aquatics T3, T2x, ST1, M1, B2, Z3/Z2 Regulator Owner's Manual</a></p> <p>Comprehensive owner's manual for Atomic Aquatics Titanium SCUBA regulators, covering features, operation, maintenance, and warranty for models T3, T2x, ST1, M1, B2, and Z3/Z2.</p>
 <p>Titanium Regulators</p>	<p><a href="#">Atomic Aquatics Titanium SCUBA Regulators Owner's Manual - T3, T2x, ST1, M1, B2, Z3/Z2</a></p> <p>Official owner's manual for Atomic Aquatics Titanium SCUBA regulators, detailing features, operation, maintenance, safety guidelines, and warranty for models T3, T2x, ST1, M1, B2, and Z3/Z2.</p>
 <p>Titanium Regulators</p>	<p><a href="#">Atomic Aquatics Titanium SCUBA Regulators Owner's Manual &amp; Features</a></p> <p>Comprehensive owner's manual for Atomic Aquatics Titanium SCUBA regulators including T3, T2x, ST1, M1, B2, and Z3/Z2. Covers features, operation, maintenance, warranty, and safety information for divers.</p>
 <p>Titanium Regulators</p>	<p><a href="#">Atomic Aquatics T3 Titanium Regulators: Owner's Manual &amp; Features</a></p> <p>Comprehensive owner's manual for Atomic Aquatics T3, T2x, ST1, M1, B2, Z3/Z2 titanium scuba diving regulators. Learn about features, operation, maintenance, and warranty.</p>