

Aqualung 303482

Aqua Lung Wave Scuba BCD User Manual

Model: 303482 | Brand: Aqualung

1. INTRODUCTION

This manual provides essential information for the proper use, setup, operation, maintenance, and troubleshooting of your Aqua Lung Wave Scuba Buoyancy Compensator Device (BCD). The Aqua Lung Wave BCD is designed for durability and performance, featuring advanced ResisteK™ material for enhanced resistance to fading and abrasion, making it suitable for demanding dive environments.

Key features include:

- New technologically advanced ResisteK™ material resists fading and abrasion.
- A proprietary backpack with a built-in carrying handle for easy transport.
- A scooped octo-pocket on the top front of the right lobe and a new octo-sleeve on the right shoulder strap, offering two convenient options to stow and deploy an octopus regulator, ensuring visibility and accessibility.
- A detachable, double-adjusting crotch strap with neoprene center for enhanced comfort and secure fit.
- Two stainless steel flat D-rings for attaching accessories.

2. SAFETY INFORMATION

Always read and understand this manual completely before using the Aqua Lung Wave BCD. Scuba diving carries inherent risks. Proper training and certification from a recognized agency are mandatory before using this equipment. Failure to follow these instructions could result in serious injury or death.

- **Pre-Dive Inspection:** Always perform a thorough pre-dive inspection of your BCD and all other dive equipment before each dive.
- **Buoyancy Control:** Practice buoyancy control in a controlled environment before open water dives.
- **Over-inflation:** Do not over-inflate the BCD. Over-inflation can cause damage to the BCD and lead to uncontrolled ascents.
- **Maintenance:** Regular maintenance and professional servicing are crucial for the safe operation and longevity of your BCD.
- **Emergency Procedures:** Be familiar with emergency procedures for BCD failure, including manual inflation and rapid deflation.

3. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your Aqua Lung Wave BCD.



Figure 3.1: Front view of the Aqua Lung Wave Scuba BCD, showcasing the main bladder, shoulder straps, waist strap, and integrated pockets. The Aqua Lung logo is visible on the left pocket.



Figure 3.2: Rear view of the Aqua Lung Wave Scuba BCD, highlighting the proprietary backpack with a built-in carrying handle and the tank band system for securing a scuba cylinder.



Figure 3.3: Close-up of the BCD's left side, showing the scooped octo-pocket designed for easy stowage and deployment of an octopus regulator. A stainless steel D-ring is also visible.



Figure 3.4: Detail of the right shoulder strap, featuring the octo-sleeve for an alternative octopus regulator placement. The inflator hose connection point and a D-ring are also visible.

Key Components:

- **Bladder:** The inflatable air cell that provides buoyancy.
- **Inflator Mechanism:** Allows for oral or power inflation/deflation.
- **Dump Valves:** Located at various points (shoulder, lower rear) for rapid air release.
- **Shoulder Straps:** Adjustable straps for securing the BCD to the diver.
- **Waist Strap/Cummerbund:** Secures the BCD around the diver's waist.
- **Tank Band:** Strap system for attaching the scuba cylinder.
- **D-Rings:** Attachment points for accessories.
- **Pockets:** Storage for small items.
- **Octo-Pocket/Sleeve:** Dedicated locations for securing an octopus regulator.

4. SETUP

4.1 Unpacking and Initial Inspection

1. Carefully remove the BCD from its packaging.
2. Inspect the BCD for any signs of damage, such as cuts, tears, or loose stitching. Check all buckles, straps, and D-rings for proper function and integrity.
3. Ensure the inflator mechanism and dump valves operate smoothly.

4.2 Attaching to a Scuba Tank

1. Place the BCD on a flat surface with the tank band facing up.
2. Position the scuba cylinder into the BCD's backpack, ensuring the tank valve aligns with the top of the BCD's backplate.
3. Thread the tank band securely around the cylinder. Pull the strap tight and fasten the buckle. Ensure the tank is snug and does not wobble.
4. For added security, some BCDs have a secondary tank strap or cam band. Ensure this is also fastened correctly if present.

4.3 Adjusting Straps

1. **Shoulder Straps:** Adjust the shoulder straps so the BCD fits snugly but comfortably over your shoulders. They should not restrict movement or breathing.
2. **Waist Strap/Cummerbund:** Fasten the waist strap or cummerbund around your waist. It should be tight enough to prevent the BCD from riding up, but not so tight as to be uncomfortable.
3. **Chest Strap:** If present, fasten and adjust the chest strap for additional stability.
4. **Crotch Strap:** The Aqua Lung Wave BCD features a detachable, double-adjusting crotch strap. Attach and adjust this strap for a secure fit, preventing the BCD from riding up during a dive. Ensure the neoprene center is positioned for comfort.

4.4 Connecting Inflator Hose

1. Connect the low-pressure inflator hose from your regulator first stage to the BCD's inflator mechanism. Ensure it clicks securely into place.
2. Verify the connection by gently pulling on the hose.

5. OPERATING INSTRUCTIONS

5.1 Pre-Dive Checks

- **Visual Inspection:** Re-check all straps, buckles, and hoses for secure connections and no visible damage.
- **Inflator Function:** With the tank valve open, press the inflate button to ensure the BCD inflates. Press the deflate button to ensure air can be released.
- **Dump Valve Function:** Test all dump valves (shoulder, lower rear) by pulling their respective cords to ensure they open and close properly.
- **Air Retention:** Inflate the BCD fully and listen for any air leaks. The BCD should hold air without significant loss.
- **Octopus Stowage:** Ensure your octopus regulator is securely stowed in either the scooped octo-pocket or the octo-sleeve on the shoulder strap, yet easily accessible.

5.2 Inflation and Deflation

- **Power Inflation:** Press the inflate button on the inflator mechanism to add air to the BCD. Use short bursts to control buoyancy.
- **Oral Inflation:** If power inflation fails or for fine-tuning, orally inflate the BCD by pressing the deflate button and blowing into the mouthpiece at the end of the inflator hose.
- **Power Deflation:** Press the deflate button on the inflator mechanism to release air.
- **Manual Deflation (Dump Valves):**
 - **Shoulder Dump:** Pull the cord on the shoulder dump valve to rapidly release air, especially useful when ascending.
 - **Lower Rear Dump:** Pull the cord on the lower rear dump valve to release air, useful when in a horizontal or head-down position.

5.3 Using D-Rings and Pockets

- The Aqua Lung Wave BCD features two stainless steel flat D-rings. Use these for attaching accessories such as gauges, lights, or slates. Ensure items are securely clipped and do not dangle excessively.
- Utilize the integrated pockets for storing small items like dive tables, spare masks, or signaling devices. Ensure pockets are securely closed before and during the dive.

6. MAINTENANCE

Proper maintenance is crucial for the longevity and safe operation of your Aqua Lung Wave BCD.

6.1 After Each Dive

1. **Rinsing:** Thoroughly rinse the BCD with fresh water immediately after each dive.
 - Rinse the exterior to remove salt, sand, and other debris.
 - Rinse the interior by orally inflating the BCD with a small amount of fresh water, sloshing it around, and then draining it through the dump valves. Repeat several times until the water runs clear.
2. **Drying:** Hang the BCD in a shaded, well-ventilated area to dry completely, both inside and out. Avoid direct sunlight, which can degrade materials.

6.2 Storage

- Store the BCD partially inflated in a cool, dry place away from direct sunlight, heat sources, and chemicals.
- Do not store heavy items on top of the BCD.

6.3 Periodic Inspection and Servicing

- Regularly inspect all components for wear, damage, or signs of degradation. Pay close attention to seams, zippers, buckles, and the inflator mechanism.
- It is recommended to have your BCD professionally serviced by an authorized Aqua Lung technician at least once a year, or more frequently with heavy use.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your BCD.

Problem	Possible Cause	Solution
BCD loses air quickly.	<ul style="list-style-type: none">• Loose inflator hose connection.• Stuck or leaking dump valve.• Puncture or tear in the bladder.• Leaking power inflator button.	<ul style="list-style-type: none">• Ensure inflator hose is securely connected.• Operate dump valves several times to dislodge debris. Rinse thoroughly.• Inspect BCD for visible damage. Small punctures may be repairable with a patch kit; larger damage requires professional repair.• Rinse inflator mechanism thoroughly. If issue persists, seek professional service.
Power inflator not working.	<ul style="list-style-type: none">• Low-pressure hose not connected or tank valve closed.• Debris in inflator mechanism.• Internal inflator malfunction.	<ul style="list-style-type: none">• Check hose connection and ensure tank valve is fully open.• Rinse inflator mechanism thoroughly.• Use oral inflation. Seek professional service immediately.

Problem	Possible Cause	Solution
BCD difficult to deflate.	<ul style="list-style-type: none">• Stuck deflate button or dump valve.• Debris in mechanism.	<ul style="list-style-type: none">• Press deflate button firmly. Pull dump valve cords fully.• Rinse mechanisms thoroughly. If issue persists, seek professional service.

For issues not listed here or if troubleshooting steps do not resolve the problem, contact an authorized Aqua Lung service center.

8. SPECIFICATIONS

Attribute	Detail
Brand Name	Aqua Lung
Manufacturer	Aqua Lung
Model Number (Part Number)	303482
Size	Medium
ASIN	B01NA9NW6T
Date First Available	November 22, 2016
Material	ResisteK™ (fade and abrasion resistant)
D-Rings	2 x Stainless Steel Flat D-rings
Special Features	Proprietary backpack with carrying handle, scooped octo-pocket, octo-sleeve, detachable double-adjusting crotch strap with neoprene center.






9. WARRANTY INFORMATION

Aqua Lung products are manufactured to the highest quality standards. For specific warranty terms and conditions applicable to your Aqua Lung Wave Scuba BCD, please refer to the warranty card included with your purchase or visit the official Aqua Lung website. Keep your proof of purchase for any warranty claims.

10. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to arrange for service, please contact Aqua Lung customer support or an authorized Aqua Lung dealer in your region. Contact information can typically be found on the official Aqua Lung website or through your local dive shop.

For more information, visit: www.aqualung.com

	<p>Aqualung Adjustable Diving Fins: User Guide, Instructions & Maintenance</p> <p>Official user guide for Aqualung adjustable diving fins. Learn about proper usage, fitting, routine maintenance, storage, safety warnings, and warranty information. Compliant with EN16804:2015.</p>
	<p>Apeks Regulator Owner's Manual</p> <p>Comprehensive owner's manual for Apeks SCUBA regulators, detailing setup, operation, maintenance, safety guidelines, and warranty information for optimal diving performance.</p>
	<p>Wireless Charger User Manual and FCC Statement</p> <p>User manual and FCC compliance information for a Qi-compatible wireless charger, detailing product specifications, instructions, and safety guidelines.</p>
	<p>Aqualung Military Professional Rapid Diver System Datasheet</p> <p>Datasheet for the Aqualung Military Professional Rapid Diver System, a lightweight, all-inclusive professional-grade SCUBA system featuring a 4 or 5 L cylinder, a two-element regulator, and a CE-certified BCD (EN 1809). Includes features, specifications, and parts list.</p>
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