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## Aqualung Titan

# AquaLung Titan Regulator User Manual

Model: Titan (Part Number: 125460)

## 1. PRODUCT OVERVIEW

The AquaLung Titan Regulator is a third-generation diving regulator designed for consistent performance and ease of breathing. It features a lightweight and durable construction, building upon the functionality of previous models. This regulator is engineered for reliable operation and straightforward maintenance.



Figure 1: AquaLung Titan Regulator complete assembly.

## Key Features:

- **Balanced Diaphragm First Stage:** Ensures ease of breathing and consistent performance by protecting internal moving parts from the environment.
- **Compact T-Shape Design:** Provides optimal hose routing and a streamlined profile.
- **Lightweight Forged Body:** Utilizes less brass, contributing to a more compact and lighter weight design.
- **Polyurethane Outer Skin:** Offers protection to metallic parts against shocks and impacts.
- **Optimally Positioned Outlets:** MP (Medium Pressure) and HP (High Pressure) outlets are strategically placed for efficient hose management.

## 2. SETUP

### 2.1 First Stage Installation

The first stage connects directly to your scuba tank valve. Ensure the O-ring is present and in good condition

before attachment.



Figure 2: Close-up view of the AquaLung Titan Regulator first stage.

1. Inspect the tank valve O-ring for any damage or debris. Replace if necessary.
2. Align the first stage yoke or DIN connector with the tank valve.
3. For yoke connections, tighten the screw firmly by hand until secure. For DIN connections, screw the first stage directly into the valve until snug.
4. Slowly open the tank valve, listening for any air leaks. If leaks are detected, close the valve, re-inspect the O-ring, and re-attach.

## 2.2 Second Stage and Hose Connections

Connect the second stage and other instruments (e.g., pressure gauge, alternate air source) to the appropriate ports on the first stage.



Figure 3: Close-up view of the AquaLung Titan Regulator second stage.

1. Attach the primary second stage hose to a medium pressure (MP) port.
2. Attach the pressure gauge hose to a high pressure (HP) port.
3. Connect any additional hoses (e.g., alternate air source, BCD inflator) to the remaining MP ports.

4. Ensure all hose connections are finger-tight and secure.

## 3. OPERATING INSTRUCTIONS

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### 3.1 Pre-Dive Checks

- Confirm all connections are secure and free of leaks.
- Check the pressure gauge for adequate air supply.
- Test the primary second stage by inhaling gently; air should flow freely.
- Test the alternate air source similarly.
- Ensure the BCD inflator and deflator buttons function correctly.

### 3.2 During the Dive

- Breathe calmly and deeply through the primary second stage.
- Monitor your air supply regularly using the pressure gauge.
- In case of free-flow, turn the second stage mouthpiece downwards to reduce the effect, or switch to your alternate air source.

### 3.3 Post-Dive Procedures

1. Close the tank valve completely.
2. Purge the regulator by pressing the purge button on the second stage until all air is released from the system.
3. Carefully disconnect the first stage from the tank valve.

## 4. MAINTENANCE

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### 4.1 Rinsing

- After each dive, rinse the entire regulator assembly thoroughly with fresh, clean water.
- Ensure the dust cap is securely in place on the first stage before rinsing to prevent water from entering the internal mechanism.
- Do **not** press the purge button on the second stage while rinsing unless the first stage is pressurized, as this can force water into the regulator.

### 4.2 Storage

- Allow the regulator to air dry completely in a cool, shaded area.
- Store the regulator in a clean, dry place, away from direct sunlight, extreme temperatures, and chemicals.
- Avoid kinking hoses during storage.

### 4.3 Professional Servicing

Regular professional servicing is crucial for the safe and reliable operation of your AquaLung Titan Regulator. It is recommended to have your regulator serviced by an authorized AquaLung technician annually or after every 100 dives, whichever comes first.

## 5. TROUBLESHOOTING

This section addresses common issues. For complex problems, consult an authorized AquaLung service center.

- **Free-Flowing Second Stage:** This can occur if the regulator is bumped or if the tank pressure is very low. Try turning the mouthpiece downwards. If it persists, switch to your alternate air source and end the dive.
- **Hard Breathing:** Check for kinks in the hose or debris in the mouthpiece. If the issue continues, the regulator may require professional servicing.
- **Air Leaks:** Inspect all O-rings and connections. A small leak might be resolved by re-seating the first stage or tightening a hose. Significant leaks require immediate attention from a technician.

## 6. SPECIFICATIONS

Specification	Detail
Item Package Dimensions L x W x H	13.9 x 7.2 x 4 inches
Package Weight	0.41 Kilograms
Item Dimensions LxWxH	14 x 7 x 4 inches
Brand Name	Aqualung
Color	Black
Material	Brass, Polyurethane
Manufacturer	Aqua Lung
Part Number	125460
Style	Titan Yoke
ASIN	B01MV5HM8Y
Date First Available	February 8, 2017

## 7. WARRANTY INFORMATION

This AquaLung Titan Regulator comes with a full manufacturer's warranty. For specific details regarding coverage, duration, and terms, please refer to the warranty card included with your product or visit the official AquaLung website.

## 8. SUPPORT

For further assistance, technical support, or to locate an authorized service center, please contact AquaLung customer service or visit their official website:

- Official Website: [www.aqualung.com](http://www.aqualung.com)
- Contact Information: Refer to the AquaLung website for regional contact details.

