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ATLANTIS MILITARY BC TECHNICAL MANUAL, P/N 762989

ATLANTIS BC W/ CYLINDER P/N 762950  
ATLANTIS BC W/O CYLINDER P/N 762960

You can contact a Technical Adviser via e-mail at:

rbedard@aqualung.com  
dstancil@aqualung.com  
dsumian@aqualung.com  
Military sales: ksilver@aqualung.com

### Trademark Notice

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### Warnings, Cautions and Notes:

Pay special attention to information provided in warnings, cautions, and notes, that is accompanied by these symbols:



A **WARNING** indicates a procedure or situation that, if not avoided, could result in serious injury or death to the user.



A **CAUTION** indicates any situation or technique that could cause damage to the product, and could subsequently result in injury to the user.




A **NOTE** is used to emphasize important points, tips, and reminders.


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## GENERAL PRECAUTIONS & WARNINGS


 Before using the Atlantis, you must have successfully received training and certification in the technique of SCUBA diving from a recognized certification agency (or any Military or government operated diving school). Use of this equipment by a person who is not certified by a recognized agency shall render all warranties, express or implied, null and void.


 Use of SCUBA equipment by uncertified or untrained persons is dangerous and can result in serious injury or death.


 In an emergency such as an out of air situation or uncontrolled rapid descent, it is important to remove and jettison weight immediately.

 In the event of an uncontrolled, rapid ascent, it is important to immediately begin venting air from the Atlantis. Continue venting air to slow your ascent rate if neutral buoyancy cannot be reestablished.

 Your jacket is not a lift bag. DO NOT rely on it to bring heavy objects to the surface. Doing so may permanently damage the jacket, and could result in serious injury or death.

 **NEVER** lubricate any part of the jacket with any lubricant. Lubrication of certain parts and assemblies must only be performed by an Aqua Lung® trained service technician.

 Do not apply any type of aerosol spray to the jacket. Doing so may damage certain plastic components, including important valve connections.

 Repair, service, or disassembly must not be attempted by persons who are not factory trained and authorized by Aqua Lung America, Inc. Unauthorized service will render the warranty null and void.

## FEATURES

- the Atlantis life jacket is a simple and safe flotation system designed for open circuit, semi-closed and closed circuit diving apparatuses.
- the Atlantis provides the military diver reliable operation in all diving environments.

### Bladder

- made of heavy duty, 1000 denier urethane coated Cordura®, which resists cuts/tears/abrasions, and is impervious to sunlight/salt water.
- pocket and cylinder sleeve on each side house and protect the HP cylinders.
- sewn throughout with high strength polyester.
- openings at the bottom of the pockets make the cylinder valve easily accessible for inflation
- two (2) large drains with tethered caps on the inside make draining fast and easy.

### Harness

- crotch harness with split strap design provides comfort and ease of adjustment.

## INFLATION

Atlantis accommodates three (3) different inflation systems:

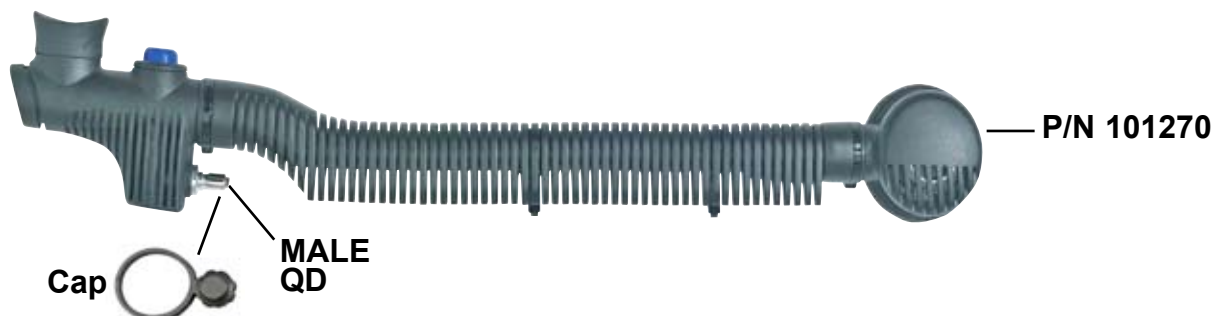
### Military Oral Inflation Assembly (Standard)

- orally inflate by depressing button on end of assembly and exhaling into bladder.
- used in conjunction with HP cylinders (described on next page).



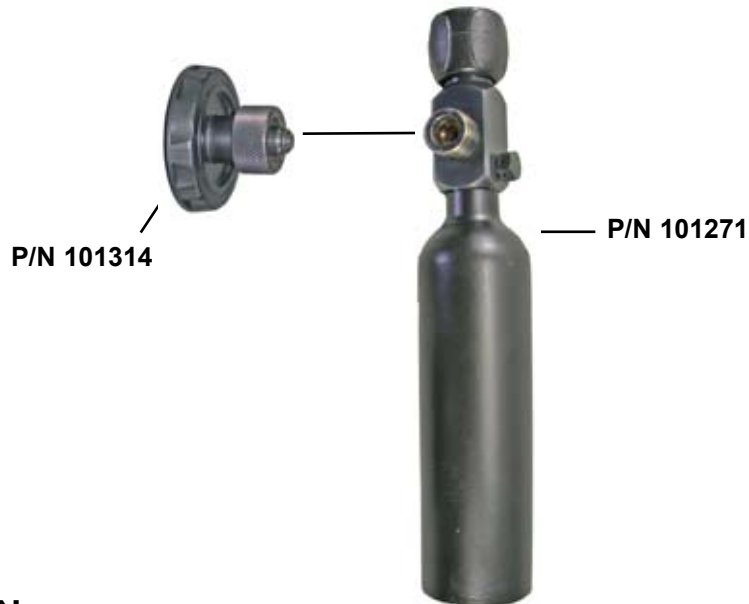
### Powerline Inflator Assembly (Purchased separately - Open Circuit Kit P/N 394091)

- LP air is supplied by a quick disconnect low pressure air whip supplied from the first stage regulator to push a button inflation valve at the end of the assembly.
- orally inflate by depressing button on end of assembly and exhaling into bladder.
- required for open circuit scuba.
- optional for CC and SCC - diving - cover male quick disconnect with rubber cap.



## HP Inflation Cylinders

- Two cylinders are attached to the Atlantis by means of a threaded hand fitting. Air is added to the Atlantis by opening the cylinder valves.
- Required for closed circuit and semi-closed circuit diving.



## DEFLATION

Throughout the course of a dive, it may be necessary to release air from the Atlantis using one of the methods described below.

### Deflation via the Oral Inflator

- air is vented through the inflator by holding the inflator above your head and depressing the oral inflator button.
- can be used for making an initial feet-first descent.
- not very useful while in a facedown swimming position.



**NOTE:** *Depressing the oral inflator while the jacket is empty may cause water to enter the air bladder.*

### Deflation via the Rapid Exhaust Valve (REV)

- cable (located inside the inflator's corrugated hose) attaches inflator to the REV at the top of the airway assembly.
- vent air by gently pulling straight down on the inflator.
- REV provides effective and convenient way to vent air while in either an upright or facedown swimming position.



**CAUTION:** The proper function of the overpressure relief valve is vital to prevent damage to the BC bladder. Unauthorized service or tampering may render this valve inoperable, and could cause the bladder to leak or rupture. This type of damage is not repairable, and is not covered under the terms and conditions of Aqua Lung's 1-year Warranty.

### Atlantis Pre-dive Checklist

Diver Name \_\_\_\_\_ Date \_\_\_\_\_

Atlantis Number \_\_\_\_\_



**WARNING:** Before each use, the Atlantis must be given a thorough visual inspection and functional test. NEVER dive with an Atlantis BC that shows signs of damage to its bladder or valves until it has received a complete inspection and service.

**Initials**

- \_\_\_\_\_ 1. Visually Inspect the Atlantis and, all Harness Assemblies, and buckles
- \_\_\_\_\_ 2. Manually exercise the Rapid Exhaust Valve (REV) by pulling on the corrugated hose. 1/4" is all the pull required to open the REV. Excessive force will damage the airway.
- \_\_\_\_\_ 3. Install 2 fully charged air cylinders.
- \_\_\_\_\_ 4. Orally inflate the Atlantis. Squeeze the jacket until the OPRV opens to relieve excess pressure. Let go and verify it reseats and keeps the bladder fully inflated. Use bottle air if required to activate OPRV.
- \_\_\_\_\_ 5. While the vest is still inflated, check the function of both the REV and the oral inflation valve (see deflation methods). Ensure rapid and unobstructed exhaust from each valve.
- \_\_\_\_\_ 6. Fully inflate jacket, once again listen closely for any signs of leakage.
- \_\_\_\_\_ 7. Verify that all harness straps are connected properly in the correct mission configuration. Verify all buckles operate correctly.
- \_\_\_\_\_ 8. Diving Supervisor will check previous steps and record deficiencies below.



**WARNING:** If any leakage can be heard, or if the bladder begins to deflate within 5-10 minutes, DO NOT attempt to use the Atlantis until it has been repaired by a trained technician.

Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
**Diver Signature**

\_\_\_\_\_  
**Diving Supervisor Signature**

### Atlantis Post-dive Checklist

Diver Name \_\_\_\_\_ Date \_\_\_\_\_

Atlantis Number \_\_\_\_\_



**CAUTION:** -Avoid prolonged exposure to sun and extreme heat to prevent deterioration of the outer fabric and damage to welded seams.  
 -Avoid repeated or prolonged use in water that is heavily treated with pool chemicals to prevent premature decay of fabric.  
 -To prevent damage to the bladder, do not allow Atlantis to chafe against sharp or rough objects and do not set or drop heavy objects on jacket.  
 -Avoid contact with oil, gasoline or other solvents.  
 -The Rapid Exhaust Valve only requires ¼" of travel to exhaust air. Excessive force is not required.  
 -To prevent premature damage from corrosion, salt crystals or chlorine attack, thoroughly rinse the Atlantis inside and out with fresh water at the end of each diving day using the following procedure:

**Initials**

- \_\_\_\_\_ 1. Remove the oral inflator assembly from the Atlantis by unscrewing the collar at the base of the REV. Hang oral inflator assembly upside down to allow complete drainage and drying, utilizing the provided bungee attachment.
- \_\_\_\_\_ 2. Direct fresh water into the OPRV opening to rinse the interior of the Atlantis.
- \_\_\_\_\_ 3. Remove the two bottle connections and the drain caps. Rinse thoroughly. Allow water to drain out of the bladder. Allow Atlantis to dry overnight before reinstalling bottle connections, caps and oral inflator assembly.
- \_\_\_\_\_ 4. Ensure no water remains inside bladder. Reinstall bottle connections, caps and airway. Inflate Atlantis and check for leaks.
- \_\_\_\_\_ 5. Store the Atlantis deflated in a clean, dry area away from extreme temperatures: no greater than 120°F/49°C and no less than 0°F/-18°C.

**Remarks** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\_\_\_\_\_  
**Diver Signature**

\_\_\_\_\_  
**Diving Supervisor Signature**

## MANUFACTURER'S RECOMMENDED MAINTENANCE CHECKS FOR THE ATLANTIS

1. **Annually** - Perform interior bottle inspection, clean bottle as required.
  - a. Inspect exterior of Bottle Valve.
    - i. Clean Bottle Valve threads.
    - ii. Replace Bottle Valve O-ring.
    - iii. Lubricate Bottle Valve threads.
    - iv. Inspect mechanical operation of the Bottle Valve.
2. **Annually (Pre-mission)** - Perform a complete leak check on the Atlantis.
  - a. Attach one full bottle to the jacket.
  - b. Slowly open the bottle and fully inflate the Atlantis until the OPRV releases pressure. Close the bottle.
  - c. Verify the Over Pressure Valve re-seats and does not leak.
  - d. Test the Rapid Exhaust Valve (REV) by pulling on the Oral inflator until air releases.



**NOTE:**  $\frac{1}{4}$ " is all the pull required. Excess force will damage the Airway Assembly. Release the Oral Inflator and verify no leakage from the REV.

- e. Refill the jacket and remove the bottle from the jacket.
  - f. Verify no leakage from the bottle connectors.
  - g. Allow the jacket to sit fully inflated for one hour.
  - h. After one hour, inspect the jacket for fullness. If the pressure has gone down significantly, refill the jacket and check the Atlantis for leakage by submerging the BC fully in water and re-test. Repeat steps a–h, until no leakage is present or have the jacket repaired by a trained technician prior to use.
3. **Annually (or as required)** - Replace the external o-ring on the Bottle connector.
  - a. Carefully remove the o-ring on the bottle connector.
  - b. Replace the o-ring with a new lubricated o-ring.
4. **Annually (Pre-mission/Pre-use)** – Inspect the strap assembly.
  - a. Inspect all straps for damage or chafing.
  - b. Inspect all hardware connectors for cracks or breakage.
  - c. Inspect De-rigging Loops for damage (mission specific).
5. **Every 5 years** – Rebuild Air Cylinder Supply Valve
6. **Every 5 years** – Hydrostatically test cylinder (if desired, not DOT required)
7. **As Required** - Paint HP Air Cylinder
8. **As Required** - Prepare the Atlantis for extended storage in excess of 30 days
  - a. Perform #2 Annual Check- Perform complete leak check on jacket.
  - b. Remove bottle connectors, the airway and blanking caps.
  - c. Store the Atlantis deflated in a clean, dry area away from extreme temperatures: NGT 120°F/49°C and NLT 0°F/-18°C.
  - d. Store bottles fully charged to 3000 psi, or with less than 20 psi.
9. **As Required** – Check Atlantis for operational integrity.

## TECHNICAL DATA

### Features/Capabilities:

- LIFT CAPACITY . . . . . 33.5 lbs
- CYLINDER CAPACITY . . . . . 2 X 1.5 cu. ft.
- CYLINDER WORKING PRESSURE . . . 3000 PSI
- WEIGHT (with cylinder) . . . . . 6.61 lbs (3 kg)
- (without cylinder) . . . . . 3.9 lbs (1.4 kg)

### ANU Listed:

- Closed circuit SCUBA to 50 FSW
- Open circuit SCUBA with power inflator (Open circuit kit, P/N 394091) to 190 FSW

### References:

- 762950: Atlantis jacket with 1.5 cu. ft. X 2 cylinder and inflator
- 762960: Atlantis jacket and inflator without cylinders

### Accessories:

- 101271.....1.5 cu. ft. Aluminum cylinder and valve
- 394091..... Kit, Open Circuit, Atlantis
- Consists of: 15665 - Cap (2)
- 24825 - LP Hose, BC
- 42746 - Airway Complete Powerline
- 15665..... Cap (for use without cylinder)
- 101215..... Adapter Tank Fill
- 762955..... Diver Loops (De-Rigging)

## ATLANTIS RECOMMENDED SPARE PARTS LIST

Key #	PN	Description	Qty
1	101173	Nut Handwheel	2
3	101171	Washer Handwheel	10
5	820088	O-ring 6-118 E0540-80	10
13abc	487590	Burst Disc Assy, 3000 PSI, Valve	10
16	820316	O-ring 2-016 E0667-70	10
18	820310	O-ring 2-010 E0667-70	10
31	15309	Connector Seal Gasket	30
37	15719	Clamp, Black	10
34	15149	Hose, Spiral, Combo	5
19	101314	Connector Fixed	2
50	762953	Strap Kit, Complete	1
32	42743	Dual Valve Assembly	2
38	15635	Inflator Assembly Lower	2
	101270	Airway Complete (mil)	1

## INSTRUCTIONS FOR PATCH KIT (P/N 42611)

### Precautions and Warnings:



**WARNING:** Do not attempt to perform these procedures using patches or adhesives other than those provided in the Patch Kit, P/N 42611.



**WARNING:** Do not attempt to patch a tear or puncture which is located directly over or within 2 inches of a seam or internal baffle.



**WARNING:** Do not attempt to patch a hole or tear which is larger than 3/4" in diameter or length.



**WARNING:** Adhesive should only be applied in a room with plenty of cross ventilation. Carefully read all cautions on the label of the adhesive, and avoid inhaling vapors.

1. Inspect the material of the Atlantis surrounding the hole or tear to ensure that it is perfectly clean and dry. Rinse and dry the jacket to clean if necessary.
2. Check to ensure that the patch extends at least twice the diameter or length of the holes or tear on all sides.
3. Apply a generous coat of Weld-On 1784® adhesive to the material of the jacket surrounding the hole or tear. Allow this preliminary coat to set for at least 24 hours.



**CAUTION:** It is important to prevent any adhesion between the internal surfaces of the bladder caused by the entrance of adhesive through the hole or tear. Position the bladder as needed to maintain a separation of the bladder at the point of the hole or tear.

4. After twenty four hours have elapsed, apply a generous second coat of adhesive to the material of the jacket surrounding the hole or tear, and to the glossy surface only of the patch. Wait exactly twenty minutes.
5. After twenty minutes have elapsed, apply a third coat of adhesive to the jacket material, and a second coat to the patch. Wait between 5-10 minutes for this coat to grow tacky, and immediately apply the patch over the hole or tear, using a small roller to press out any pockets of air that may be present between the patch and jacket material. Position a 5 pound soft weight pouch directly over the patch to apply pressure, and allow exactly one hour for the patch to set.



**NOTE:** DO NOT allow the patch to set for more than one hour before performing the next step.

6. Partially inflate the Atlantis no more than 3/4 full, causing the inner surfaces of the bladder to separate if any adhesion has occurred. Apply a final coat of adhesive over the entire patch area. Allow 24 hours to completely cure, and then fully inflate the jacket to ensure that leakage is no longer present. If the jacket does not remain completely full for at least one hour, immerse it in fresh water to determine the source of leakage and repair as needed.

## BOTTLE VALVE DISASSEMBLY PROCEDURE



**NOTE:** Before performing any disassembly, refer to the exploded parts drawing, which references all mandatory replacement parts. These parts should be replaced with new, and must not be reused under any circumstances - regardless of the age of the valve or how much use it has received since it was last serviced.



**CAUTION:** Use only a plastic or brass o-ring removal tool (p/n 944022) when removing o-rings to prevent damage to the sealing surface. Even a small scratch across an o-ring sealing surface could result in leakage. Once an o-ring sealing surface has been damaged, the part must be replaced with new. DO NOT use a dental pick or any other steel instrument.

### Valve Disassembly

1. Open cylinder valve and ensure cylinder is fully depressurized.
2. Remove the Cylinder Valve from the bottle using the 13/16" Crowfoot and Flex wrench.
3. Remove the o-ring (16) from the Valve Body (12). Use the appropriate O-ring Tool. Discard o-ring.



4. Using a Flex wrench with 5-mm hex bit socket remove the Valve Body Adapter (15) from the Valve Body (12).



**CAUTION:** Loctite is used to hold this part in place in addition to the torque applied during assembly.



5. Using the brass o-ring tool, remove O-Ring (14) from the Valve Body Adapter PN 101306 (15). Discard O-Ring. Remove the old blue Loctite from the Valve Body Adapter.



6. Use a flat blade screwdriver, remove the Handwheel Nut (1)



7. Remove the Handwheel (2) and the Handwheel Washer (3) from the spindle.



8. Remove the Valve Plug (4) using a Flex Wrench with 22-mm socket.



9. Remove the O-Ring (5) from Valve Plug (12). Use appropriate O-Ring Tool.



10. Remove the Spindle (10) from Valve Body (12).



11. Remove Back-up Ring (6), O-Ring (7), metal Washer (8) and Plastic Washer (9), from the Spindle 11011-66.



12. Remove the Valve Seat (11) from the Valve Body (12). Discard Valve Seat.



13. Remove the Safety Plug (13a) from the port of Valve Body. Using a Flex wrench and 1/2" socket. Discard Safety Plug.



14. Remove the Safety disc, Red (13b) and Gasket (13c) from the port in Body. Discard Safety Disk and Gasket.



#### THIS CONCLUDES DISASSEMBLY OF THE BOTTLE VALVE

Before beginning reassembly, perform parts cleaning and lubrication in accordance with **Procedure A: Cleaning and Lubricating**

#### BOTTLE VALVE ASSEMBLY PROCEDURE

**NOTE:** Before performing any reassembly, it is important to inspect all parts, both new and those that are being re-used, to ensure that every part and component is perfectly clean and free of any dust, corrosion, or blemishes. Before dressing each o-ring with Christo-Lube®, check to ensure it is clean, supple, and free of any blemish.

**WARNING:** Use only genuine Aqua Lung® parts, subassemblies, and components whenever assembling any Aqua Lung® product. DO NOT attempt to substitute an Aqua Lung® part with another manufacturer's, regardless of any similarity in shape, size or appearance. Doing so may render the product unsafe, and could result in serious injury or death.

1. Lubricate all O-rings with Christo-Lube MCG 111.  
2. Using o-ring tool, install O-Ring PN 820013 (14) to the Valve Body Adapter PN 101306 (15).



3. Insert Gasket (13c), and Safety Disc, Red (13b) into port in Valve Body PN 101305 (12).

**NOTE:** The Burst Disk Assembly PN 487590 (13) comes as a complete kit, it is to be installed together and cannot be ordered as separate parts.



4. Install the Safety Plug (13a) into the port of Valve Body (12). **DO NOT** lubricate the Safety Plug. **Torque** Safety Plug to **90 in/lb** using 1/2" socket and Torque wrench.



5. Lubricate threads of Valve Seat PN 101165 (11) and screw into the Valve Body (12) until it bottoms against the crown.



6. Place lubricated O-Ring PN 820088 (5) onto Valve Plug PN 101169 (4). Use appropriate O-Ring Tool. Ensure O-ring is in groove on Plug below shoulder.



7. Place a lubricated plastic Washer PN 101167 (9), metal Washer PN 101168 (8), O-Ring PN 820010 (7), and Back-up Ring PN 828009 (6) respectively onto the Spindle PN 101166 (10).



8. Place Spindle (10) into Valve Body (12), align the Spindle (10) with Seat Slot (11).



9. Place the Valve Plug (4) over the Spindle (10) and using a torque wrench with 22-mm socket; **torque to 90 in-lbs.** Ensure O-ring is in groove on Plug below shoulder. Be careful not to pinch the o-ring.



10. Place the Handwheel Washer PN 101171 (3) over the Spindle (10) and put the Handwheel PN 101172 (2) on top of the Plug (4).



11. Place the Handwheel Nut PN 101173 (10) on the Spindle (10). Tighten the Handwheel Nut (1) until it stops. Use caution not to cross thread the nut.



12. Place lubricated O-Ring PN 820316 (16) onto the Valve Body PN 101305 (12). Use appropriate O-Ring Tool.



13. Apply one drop of Loctite 242 (blue) to Valve Body Adapter PN 101306 (15). Using torque wrench with 5-mm hex bit socket, assemble the Valve Body Adapter to the Valve Body PN 101305 (12). **Torque to 90 in/lb.**




14. Install the assembled valve on the Bottle PN 079105 (16). Using the Bottle Vice PN 100397 in the vice adapter PN 100398 Use a 1-1/16 inch crowfoot with a torque wrench set to 25 ft/lb. **Torque the valve assembly to 25 ft/lb.**






15. Fill Cylinder with air to 3000 psi (204 bar) using Atlantis Fill Adapter. Disconnect fill adapter. Immerse pressurized cylinder in water for 30 seconds and check for leaks. Attach bottle to BC bladder. Open bottle Valve slightly to inflate the bladder until relief Valve opens on Bladder. While air is flowing, submerge Bottle Valve in water and check for leaks. Remove from water, turn off Valve and disconnect the bottle from the bladder.



**THIS CONCLUDES ASSEMBLY OF THE BOTTLE VALVE**

## LIST OF TOOLS

PART #	DESCRIPTION	APPLICATION
N/A	3000 psi Air Source 	Equipment Testing
101215	Tank Fill Adapter 	Charging bottle
944022	O-ring Tool 	Removing and installation of o-rings
820466 (2 oz.) 820467 (16 oz.)	Christo-Lube MCG 111 	Lubrication of o-rings
N/A	1/2" socket 	Removal/tightening of parts
N/A	22 mm or 7/8" Socket 	Removal/tightening of parts
9-44363	Flex Wrench 	Removal of parts
N/A	3/8 Drive Torque Wrench; 0-125 in/lb. range 	Tightening of parts
N/A	3/8 Drive Torque Wrench; 0-80 ft./lb. range 	Tightening of parts
N/A	Screw Driver 	Removal of parts
FC38A	1-3/16 inch Crowfoot 	Loosening/tightening of parts
N/A	Hex Key (5 mm) 	Loosen/tighten/adjust parts

PART #	DESCRIPTION	APPLICATION
N/A	Hex Bit Socket 5 mm 	Torque Valve Body Adaptor
100398	Vice Insert Adapter 	Bottle Installation / Removal
100397	SEA / HABD Bottle Vice 	Bottle Installation / Removal

## RECOMMENDED LUBRICANTS AND CLEANERS

LUBRICANT/CLEANER	APPLICATION	SOURCE
Christo-Lube MCG 111	All o-rings	Aqua Lung, PN 820466, or Lubrication Technologies 310 Morton Street Jackson, OH 45640 (800) 477-8704
 <b>CAUTION:</b> Silicone rubber requires no lubrication or preservative treatment. DO NOT apply grease or spray to silicone rubber parts. Doing so may cause a chemical breakdown and premature deterioration of the material.		
Oakite #31	Acid bath for reusable stainless steel and brass parts	Oakite Products, Inc. 50 Valley Road Berkeley Heights, NJ 07922
 <b>CAUTION:</b> Do not use muriatic acid for the cleaning of any parts. Even if strongly diluted, muriatic acid can harm chrome plating and may leave a residue that is harmful to o-ring seals and other parts.		
White distilled vinegar	Acid bath for reusable stainless steel and brass parts	"Household" grade

## CLEANING BRASS AND STAINLESS STEEL PARTS

1. Preclean in warm, soapy water\* using a nylon bristle tooth brush.
2. Thoroughly clean parts in an ultrasonic cleaner filled with soapy water. If there are stubborn deposits, household white distilled vinegar (acetic acid) in an ultrasonic cleaner will work well. DO NOT place plastic, rubber or silicone parts in vinegar.
3. Remove parts from the ultrasonic cleaner and rinse with fresh water. If tap water is extremely "hard," place the parts in a bath of distilled water to prevent any mineral residue. Agitate lightly, and allow to soak for 5-10 minutes. Remove and blow dry with low pressure (25 psi) filtered air, and inspect closely to ensure proper cleaning and like-new condition.

### Cleaning Plastic & Rubber Parts

Parts made of plastic or rubber, such as box bottoms, box tops, dust caps, etc., may be soaked and cleaned in a solution of warm, soapy water\*. Use only a soft nylon toothbrush to scrub away any deposits. Rinse in fresh water and thoroughly blow dry, using low pressure filtered air.

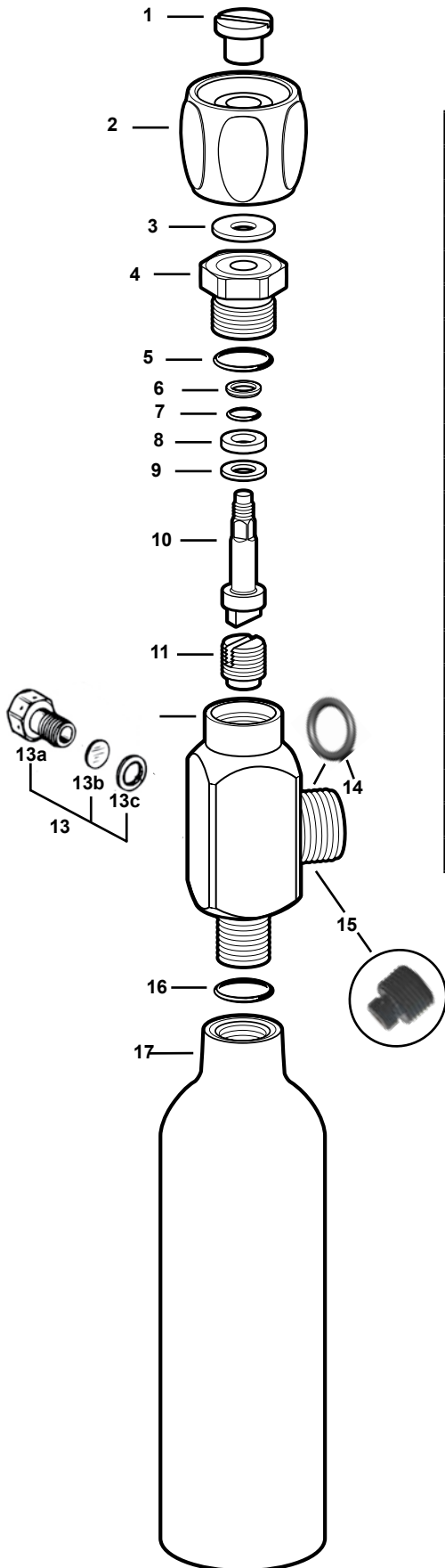


**CAUTION:** Do not place plastic and rubber parts in acid solutions. Doing so may alter the physical properties of the component, causing it to prematurely degrade and/or break.

### Cleaning Hoses

1. Hose fittings: Ultrasonically clean with soapy water\*; vinegar OK on tough corrosion
2. Run soapy water through hose if needed
3. Thoroughly rinse with fresh water
4. Blow out hose before installing

\*Soapy water is defined as "household" grade liquid dish washing detergent diluted in warm water.



**101271 Valve Assembly w/1.5CF Cylinder**

Key #	P/N	Description	Qty
	<b>394099</b>	<b>Valve Rebuild kit</b>	<b>1</b>
1	101173	Nut handwheel	1
2	101172	Handwheel	1
3	101171	Washer handwheel	1
4	101169	Plug valve	1
5	<b>820088</b>	<b>O-ring 6-118 E0540-80</b>	<b>1</b>
6	<b>828009</b>	<b>Ring Backup 8-009 N300-90</b>	<b>1</b>
7	<b>820010P</b>	<b>O-ring (25pk) 2-010 E0540-80</b>	<b>1</b>
8	101168	Washer	1
9	<b>101167</b>	<b>Washer</b>	<b>1</b>
10	101166	Spindle	1
11	<b>101165</b>	<b>Seat valve</b>	<b>1</b>
12	101305	Body valve	1
13	<b>487590</b>	<b>Burst Disk Assy. 3000 PSI, Valve</b>	<b>1</b>
13a		<b>Safety Plug</b>	<b>1</b>
13b		<b>Disc, safety red 3000 PSI</b>	<b>1</b>
13c		<b>Gasket zytel #101 .206 x .032</b>	<b>1</b>
14	<b>820013</b>	<b>O-ring</b>	<b>1</b>
15	101306	Adapter valve body	1
16	<b>820316</b>	<b>O-ring 2-016 E0667-70</b>	<b>1</b>
17	079105	Cylinder 1.5 cf. Black	1

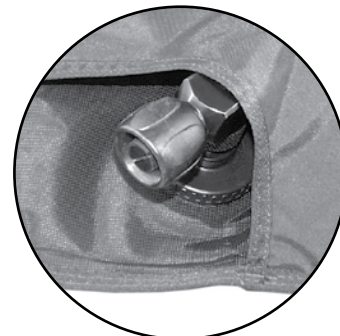
**\*PART NUMBERS IN BOLD ARE INCLUDED IN VALVE REBUILD KIT P/N 394099**

**Cylinder Valve with connection**

Key #	P/N	Description	Qty
18	820310	O-ring 2-010 E0667-70	1
19	101314	Connector Fixed	1



Cylinder Connection



Cylinder Connection with Valve

## PARTS LIST

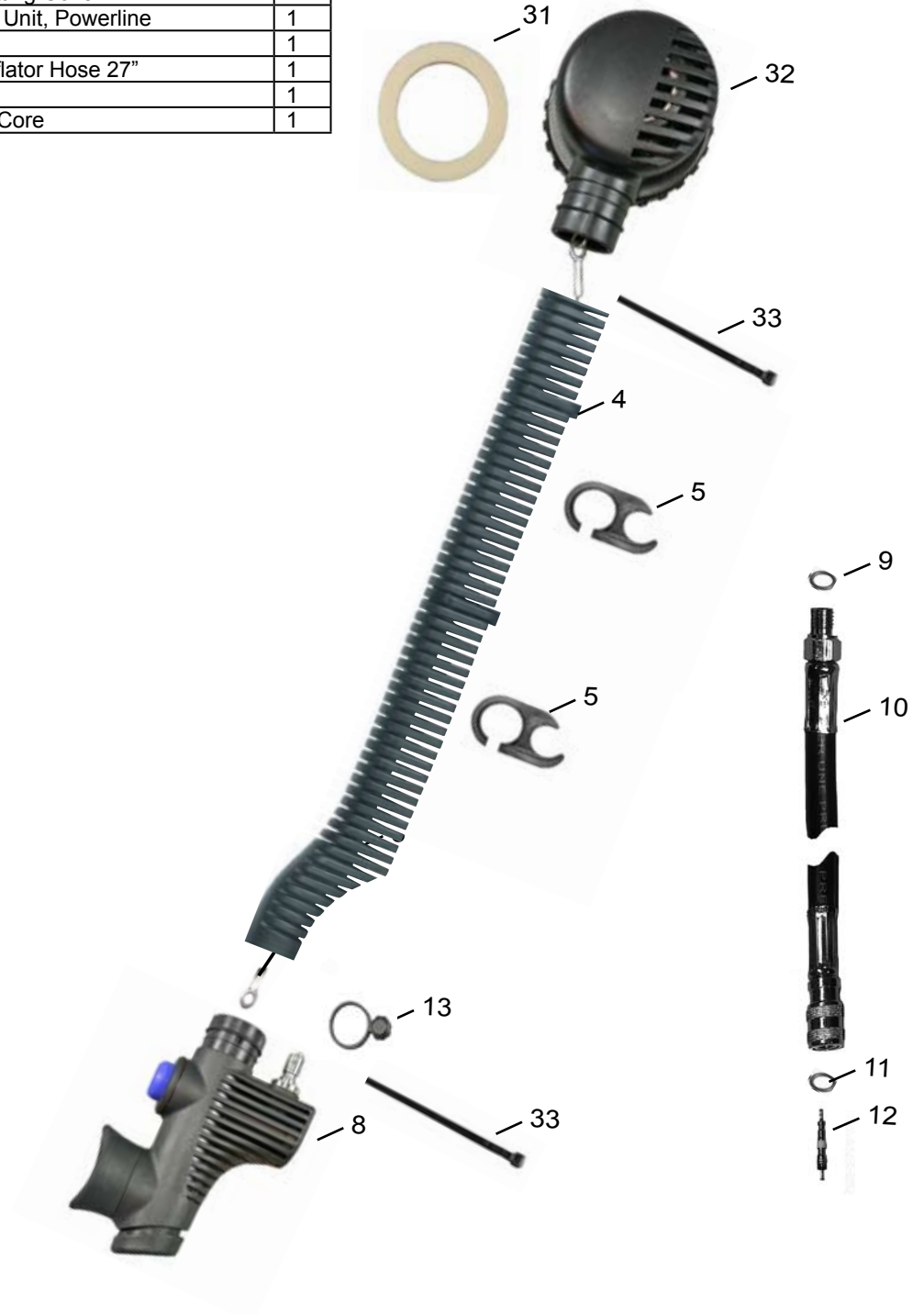
## 101270 Airway Complete Military Oral Inflator

Key #	P/N	Description	Qty
31	15309	Gasket	1
32	42743	Dual Valve Assembly	1
33	15719	Clamp, Black	3
34	15149	Hose Spiral	1
35	104913	Clamp	1
36	752979	Whistle	1
37	15610	Pin, Retaining	1
38	15635	Inflator Assembly, Oral, Lower	1



**42746 Airway Complete, Powerline**

Key #	P/N	Description	Qty
31	15309	Gasket	1
32	42743	Dual Valve Assembly	1
33	15719	Clamp, Black	2
4	15740	Ribbed Hose	1
5	15735	Hose Clip	2
6	15029	QD Fitting Cover	1
8	42747	Lower Unit, Powerline	1
9	820011	O-ring	1
10	44827	MP Inflator Hose 27"	1
11	820043	O-ring	1
12	778564	Valve Core	1





**FRONT**

**Atlantis Parts List**

Key #	P/N	Description	Qty
44	15309	Connector Seal Gasket	5
45	762942	Vest Only	1
46	081205	D Ring	2
47	101314	Connector, Cylinder Valve, Fixed	2
48	15665	Cap, Universal	2
49	101270	Airway Complete	1
50	762953	Strap Kit, Complete	1
50a	762956	Chest Strap, Removable	1
50b	762957	Waist Strap, Back	1
50c	762958	Back Strap, Upper	1
50d	762952	Crotch Strap	1
N/A	8762900	Atlantis Strap Upgrade Kit 1" - 1.5"	



**BACK**

## WARRANTY INFORMATION

All warranty transactions must be accompanied by proof of original purchase from an Aqua Lung® authorized dealer/agent. Be sure to save your sales receipt, and present it whenever returning your Atlantis for warranty service.

### The Aqua Lung® One Year Limited Warranty™

Aqua Lung America warrants to the original purchaser for a period of one year from the date of purchase that the product will be free from defects in material and workmanship; provided that it receives normal use, proper care, and prescribed dealer service subject to those restrictions stated below. This limited warranty is extended only to the original purchaser for purchases made from an authorized Aqua Lung® dealer, and is not transferable. This warranty is limited to repair or replacement only at the discretion of Aqua Lung America, Inc.

**ALL WARRANTIES, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES, OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION TO A PERIOD ENDING ONE YEAR FROM THE DATE OF PURCHASE.**



**WARNING:** It is dangerous for untrained and uncertified persons to use the equipment covered by this warranty. Therefore, use of these products by an untrained person renders any and all warranties null and void. Use of SCUBA equipment by anyone who is not a certified diver, or receiving training through a recognized certification agency, shall render void all warranties, expressed or implied.

**AQUA LUNG AMERICA DISCLAIMS AND EXCLUDES ANY LIABILITY FOR INCIDENTAL, OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW EXCLUSIONS OF LIABILITY, SO THIS MAY NOT APPLY TO YOU.**

### **Restrictions**

The following restrictions apply to this warranty:

This warranty extends to inflator parts, and to the seams of the BC bladder. Factory prescribed annual service by a trained technician is required.

This warranty does not extend to abrasion, punctures, or tears of the bladder, or seam separation caused by chemical attack; including prolonged exposure to chlorine.

This warranty does not extend to damages caused by improper use, improper maintenance, neglect, unauthorized repairs, modifications, accidents, fire, or casualty.

Cosmetic damage, such as scratches, fraying, and nicks are not covered by this warranty.

This warranty covers products purchased in the United States. For warranties that may apply elsewhere, please contact your local representative.

Failure to meet any of the above requirements will render the warranty null and void.



Literature P/N 762989 REV 06/08

Aqua Lung America • 2340 Cousteau Court, Vista, CA 92081 • Telephone: (760) 597.5000 • Fax: (760) 597.4900 • [www.aqualung.com/military](http://www.aqualung.com/military)