seaQuest® AQUA LUNG

Pro QDi3

Buoyancy Compensator
Owner's Manual

Copyright Notice

This manual is copyrighted, all rights reserved. It may not, in whole or in part, be copied, photocopied, reproduced, translated or reduced to any electronic medium or machine-readable form without prior consent in writing from Aqua Lung International. It may not be distributed through the internet or computer bulletin board systems without prior consent in writing from Aqua Lung International.

©2006 Aqua Lung International
Pro QDi3 BC Owner's Manual
pn 18347 rev. 11/06

Warnings, Cautions, & Notes

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

WARNINGS indicate a procedure or situation that may result in serious injury or death if instructions are not followed correctly.

CAUTIONS indicate any situation or technique that will result in potential damage to the product, or render the product unsafe if instructions are not followed correctly.

***NOTES** are used to emphasize important points, tips and reminders.*

WARNING: This manual provides essential instruction for the proper fitting, adjustment, inspection and care of your new BC. Because Aqua Lung BC's utilize patented technology, it is very important to take the time to read these instruction in order to understand and fully enjoy the features that are unique to your specific model. Improper use of this BC could result in serious injury or death.

CONTENTS

QUICK REFERENCE 3

SAFETY INFORMATION 4
General Precautions & Warnings 4

BASIC SETUP 6
Attaching the MP Hose to the First Stage 6
Securing the BC to the Cylinder 7
Threading the Cylinder Band 8
Double Cylinder Setup 9
Routing and Attaching the MP Inflator Hose 10

WEIGHT INTEGRATION FEATURE 12
Weight System - Setup & Installation 12
Loading the Weight Pouches 12
Weight Pouch Installation 14
Releasing the Weight Pouches 15
Non-releasable Weight 16

DONNING & ADJUSTMENT PROCEDURES 17

INFLATION METHODS 18
Oral Inflation 18
Storing the Oral Inflator 19
Power Inflation with i3 Control Unit 20

DEFLATION METHODS 21
Deflation via i3 Control Unit 21
Deflation via Flat E-Valve (right shoulder) 21
Overpressure Relief (OPR) via Flat E-Valve 22

SPECIAL FEATURES 23
Knife Attachment 23
Octo Pocket™ 23
Multiport 24

PREDIVE INSPECTION 25

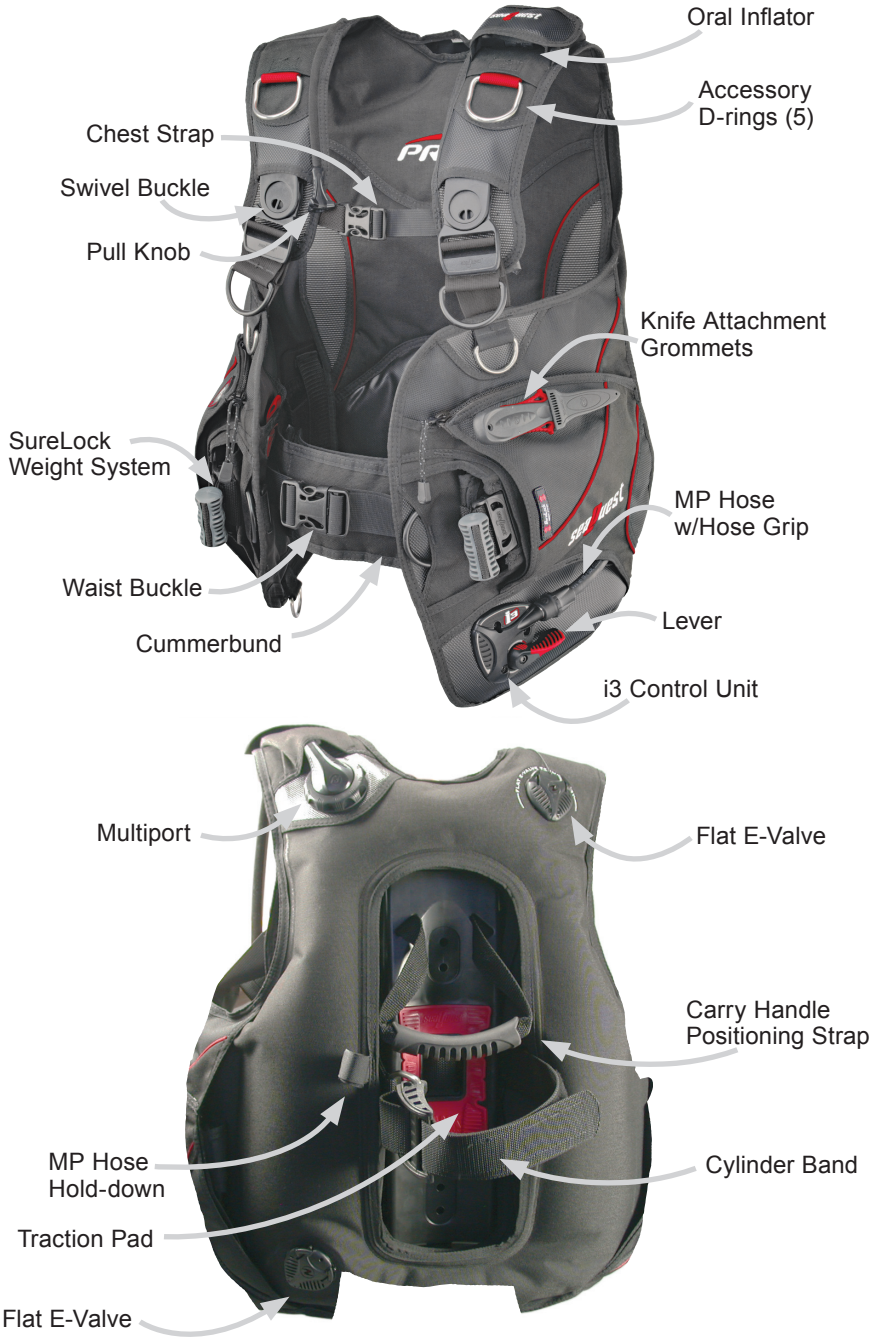
POSTDIVE CARE & MAINTENANCE 26

DEALER INSPECTION & SERVICE 27

SERVICE RECORD 28

WARRANTY INFORMATION 29

QUICK REFERENCE



SAFETY INFORMATION

General Precautions & Warnings

Before using this buoyancy compensator (BC), you must receive instruction and certification in SCUBA diving and buoyancy control from a recognized training agency. Use of SCUBA equipment by uncertified or untrained persons is dangerous and can result in injury or death.

Read this owner's manual completely before attempting to use your BC, and become familiar with it first in a controlled environment such as a swimming pool, in order to weight yourself properly and to become comfortable with using its many features and adjustments.

Before every dive, perform a complete pre-dive inspection according to the procedure prescribed in this manual, to ensure that all components are functioning properly and no signs of damage or leaks are present. If you find that your BC is not functioning properly or is damaged, remove it from service until it can be repaired by an authorized Aqua Lung/SeaQuest Dealer.

Your BC is not a lift bag. **DO NOT** use it to bring heavy objects to the surface. Doing so may cause permanent damage to the BC, and could also result in serious injury or death due to embolism or decompression sickness.

In an emergency such as an out of air situation or uncontrolled descent, it is important to remove and jettison weight immediately. **DO NOT** depend solely on using your BC's power inflator to lift you to the surface.

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

DO NOT inhale from your oral inflator. The BC may contain harmful contaminants or gasses, which could cause suffocation or injury.

Factory prescribed service for this BC must be performed at least once annually by a factory trained technician who is employed by an authorized Aqua Lung/SeaQuest Dealer. Annual service consists of a complete overhaul of the power inflator, and a general air leak inspection of the bladder and valve connections.

Disassembly, repair, or lubrication must not be attempted by persons who are not factory trained and authorized by Aqua Lung/SeaQuest. Unauthorized service will render the warranty null and void.

This BC is designed for use with compressed air or Nitrox/EAN (enriched air nitrox) mixtures not exceeding 40% oxygen. Any use of gas mixtures with increased oxygen content or the addition of helium or other substances may cause corrosion, deterioration and/or premature aging of the BC leading to component failure of the metal and rubber parts. The component failures could lead to a loss of buoyancy control and/or pressure integrity of the BC resulting in injury or death. Non-standard breathing mixtures may also present a risk of fire or explosion. The use of Nitrox/EAN requires additional training. Failure to observe this warning may result in injury or death. Use only nitrogen/oxygen mixtures containing no more than 40% oxygen.

WARNING: A buoyancy compensator (BC) is NOT a life jacket! It is not designed to provide face-up flotation in all situations; therefore it does not meet U.S. Coast Guard regulations for a life preserver or personal flotation device (PFD). If you become unconscious in the water without a buddy present to immediately give assistance, you may suffer serious injury or death from drowning.

Your buoyancy compensator is primarily designed to help you maintain neutral buoyancy while in a comfortably balanced, face-down swimming position underwater. It is also designed to provide you with flotation so that you can rest on the surface, but it is not designed to function as a life preserver or personal flotation device (PFD). In order to meet U.S. Coast Guard regulations, a PFD must be designed so that it automatically rights you to a face-up position and holds your head out of the water on the surface. The design characteristics of a personal flotation device are different from those of a buoyancy compensator. The ability of any flotation device to float you in a face-up position can also be affected by other diving equipment you wear, including a cylinder, weight or exposure suit, and whether it can be inflated before you lose consciousness.

For this reason, it is important to always dive with a buddy, and maintain close proximity with them at all times. Do not depend on any flotation device to hold your face above the surface in the event that you are rendered unconscious in the water while diving.

WARNING: Although this manual provides some basic guidelines for certain buoyancy control techniques, it is not a substitute for training from a professional diving instructor. Failure to weight yourself properly may create a hazardous condition that could lead to serious injury or death. If you are unsure how to weight yourself in order to achieve optimum buoyancy underwater and on the surface, do not dive until you have obtained the necessary instruction from your diving instructor or an authorized Aqua Lung/SeaQuest Dealer.

If you have any questions regarding your Buoyancy Compensator or these instructions, contact your local dealer or Aqua Lung/SeaQuest at:

(760) 597-5000

Note: *The terms "hook", "loop" and "hook & loop" are used throughout this manual. Hook & Loop is commonly known as Velcro®, which is a trademarked brand of hook & loop. Many of the BC's components have hook & loop attachments, including the waistband, cylinder bands, and weight pouch flaps.*

BASIC SETUP

Aqua Lung / SeaQuest recommends that you bring your buoyancy compensator, together with your regulator, to your authorized dealer for the installation of the MP inflator hose and other accessories. The retailer can also answer any questions you may have pertaining to the information in this manual.

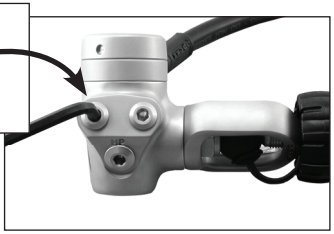
If it is not possible to return the BC with your regulator to your authorized dealer, you may install the MP quick disconnect inflator hose by carefully performing the steps in the following procedure.

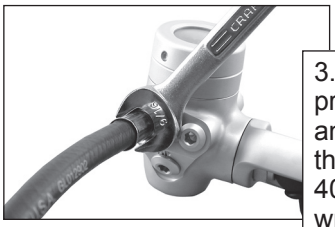
Attaching the MP Hose to the First Stage

WARNING: DO NOT connect the inflator hose to a high pressure (HP) port (greater than 200 psi / 14 bar). This may cause the hose to burst when pressurized, which can result in serious injury. If you are unsure which regulator port is medium pressure (MP) or high pressure (HP), consult your regulator owner's manual or your dealer before attaching the hose.

1. Remove the inflator hose from the i3.

2. Remove the port plug from a MP port on the regulator using an appropriately sized wrench.

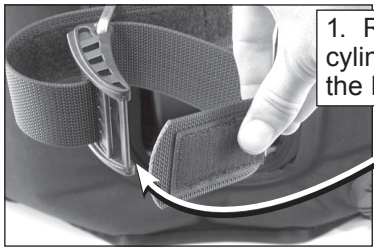




3. Check to ensure the o-ring is present and in good condition, and screw the threaded end of the hose into the port. Tighten to 40 in/lbs (46 kg/cm) with a 9/16" wrench.

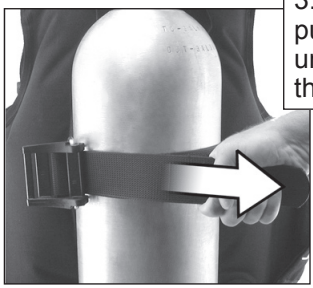
Securing the BC to the Cylinder

Note: *BC cylinder bands adjust for all standard cylinder diameters: 6.9" (17.5 cm), 7.25" (18.5 cm), and 8.0" (20.3 cm). The cylinder bands are properly threaded to the buckles when the BC leaves the factory. If rethreading is necessary, follow the procedure in the next section:* ***Threading the Cylinder Band.***

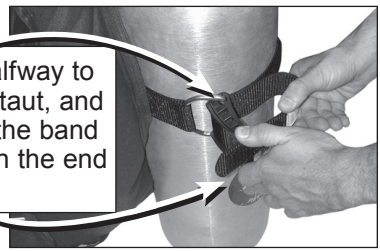


1. Remove the free end of the cylinder band from outer slot on the buckle.

2. Wet the cylinder band and then slide it over the cylinder so that the BC is at the desired position in relation to the cylinder valve. Make sure the cylinder valve air outlet is facing the back of the BC.



3. While holding the cylinder secure, pull the free end of the cylinder band until there is a very tight fit between the pack and the cylinder.



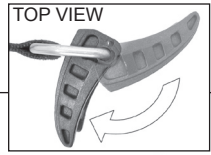
4. Close the buckle halfway to hold the cylinder band taut, and thread the free end of the band through the open slot in the end of the buckle.

5. Pull the cam buckle closed so that it lies flat against the cylinder. Secure the end of the cylinder band with the hook & loop attachment.

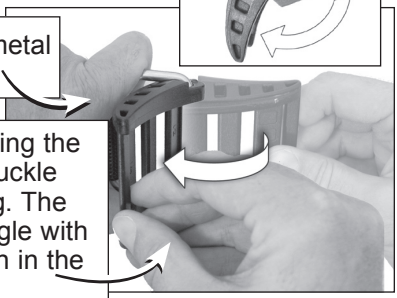
6. Test the tightness by pushing/pulling the back frame and cradle.

WARNING: The cylinder band will initially stretch as it becomes wet. Always wet the band before making the final adjustment; apply enough tension to ensure that the cylinder is completely secure. Test this connection before every dive. If the cylinder slips free from the BC during the dive, you may lose your air supply, which could lead to serious injury or death.

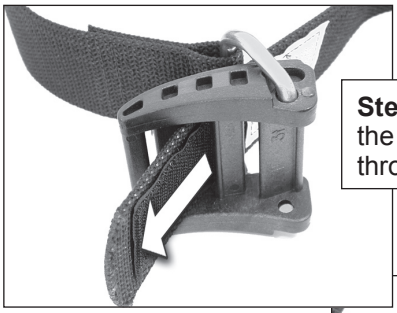
Threading the Cylinder Band



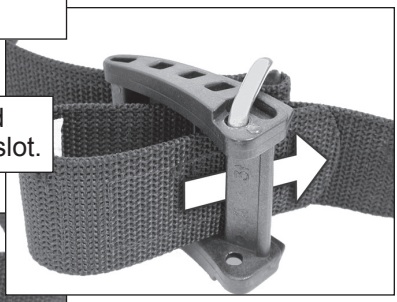
Step 1: Firmly grasp the metal D-ring with your left hand.



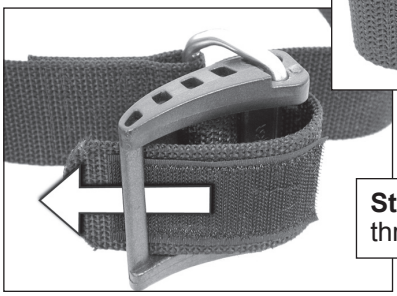
Step 2: While firmly holding the metal D-ring, rotate the buckle back towards the webbing. The buckle should form an angle with the metal D-ring as shown in the top view.



Step 3: Insert band through the metal D-ring, then through the middle slot.



Step 4: Insert band through the inside slot.



Step 5: Insert band through the outer slot.

NOTE: *This final threading step is done when the BC is secured to the cylinder (refer to step 4, p. 7). Close the buckle halfway to prevent the webbing from slipping and thread the free end of the band through the open slot in the end of the buckle.*

Double Cylinder Setup

The Tank Band Kit for Twin Cylinders (P/N 427042) allows mounting of twin cylinders to the Pro QDi3, sizes ML, L, XL and XXL only. Please see mounting instruction provided with the kit.

Before adapting your BC for use with double cylinders, it is important to compare the lift capacity of your particular BC size (*refer to the information on BC tag*) and model with the buoyancy specifications of the cylinders, the amount of weight you will carry, and the type of exposure suit you will wear. When fully charged and worn together as doubles, some cylinders may create enough negative buoyancy to counteract the amount of lift your BC can provide. At depth, this can lead to a dangerous situation if your wetsuit becomes compressed and you can no longer achieve positive buoyancy by jettisoning weight.

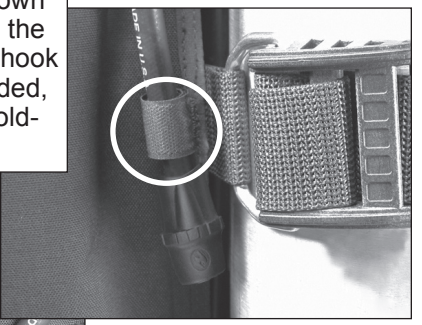
Additionally, the structure of the back pack will not support the weight of an oversized double cylinder set up. The BC may only be used with standard aluminum (maximum 80 cf/10 litre) or steel (maximum 100 cf, 3,500 psi) tanks. High volume, low pressure steel tanks can be especially hazardous when worn as doubles, due to their weight and buoyancy characteristics.

WARNING: The use of oversized twin set ups can lead to a dangerous situation underwater, including your inability to achieve positive buoyancy, or structural failure of the backpack. Such an event while diving may separate you from your primary air source, and could lead to serious injury or death.

Routing & Attaching the MP Inflator Hose

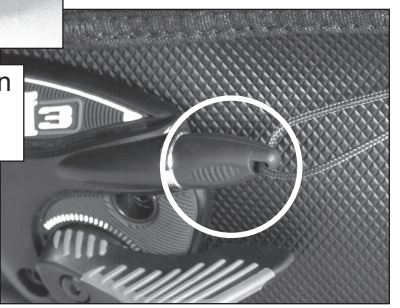
1. After attaching the BC and regulator to a cylinder, make sure the bladder is completely deflated (see Deflation Methods, p. 21).

2. Route the MP hose down the back of the BC along the cylinder and through the hook & loop hold-down. If needed, adjust the hook & loop hold-down to the desired size.



3. Thread the hose through the sleeve behind the pocket.

4. Remove the dust cap on the quick disconnect plug on the i3 control unit.



NOTE: *Keep the dust cap on while not in use.*

5. Grab the hose grip between your thumb and forefinger, then slide the sleeve back.

6. Place the fitting over the quick disconnect plug and firmly push inward while releasing the hose grip. Check to ensure the hose is securely attached.

7. To test the connection, slowly open the cylinder valve and pressurize the regulator. Lift up on the lever and listen for the flow of air into the BC bladder.

☞ ***NOTE:*** *The Pro QDi3 is equipped with a longer than normal MP inflator hose. It is very important to use the inflator hose provided with the BC (if the hose is too short it will not reach the i3 control unit.*

Hose lengths are as follows:

XS/S – 27 inches (pn 24827 — red)
M/ML/L – 33 inches (pn 24833 — light blue)
XL – 36 inches (pn 24836 — blue)
XXL – 40 inches (pn 24840 — light gray)

WEIGHT INTEGRATION FEATURES

The Pro QDi3 features the SureLock™ (SL) weight system. With the SureLock™ system, weight pouches are secured with a mechanical locking mechanism, as opposed to a hook & loop attachment used on other models. The SureLock™ weight system either supplements or replaces a conventional weight belt. This unique feature allows you to quickly jettison either one or both of two weight pouches in the event of an emergency, thereby maintaining better control over your rate of ascent. The weight pouches can be easily reloaded into their respective holsters while you are wearing the BC. This makes the BC much easier to don than other weight-integrated BC's that must be fully loaded with weight prior to donning.

It is very important to read the following instructions, and become thoroughly familiar with the correct methods for installing and releasing weight before you dive with your BC.

Weight System - Setup & Installation

The weight system features two interchangeable weight pouches which can be filled with either block weights or "soft weight" (pouches containing lead shot), in increments of 5 pounds or less. For ease of operation, low-profile block weight is strongly recommended. Each weight pouch can hold a maximum of 10 lbs/4.5 kg (20 lbs/9 kg total). The Large to XX Large can hold a maximum of 16 lbs/7.25 kg (32 lbs/14.5 kg).

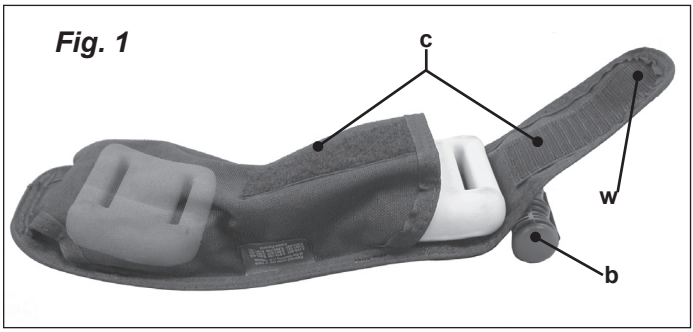
Loading the Weight Pouches

Aqua Lung/SeaQuest recommends that each pouch is loaded with equal amounts of weight for optimum balance; this will prevent the tendency to roll to one side during the dive. Also, it is strongly recommended that each weight pouch is fully loaded with two separate weight blocks for the standard pouch, or four separate blocks for the large pouch. For example, if you want to load a standard pouch with 6 pounds, use two separate 3 pound weights.

1. If the weight pouches are installed in the BC, remove them by firmly pulling the release handle toward the center of the waistband (see p. 15, Releasing Weight Pouches).

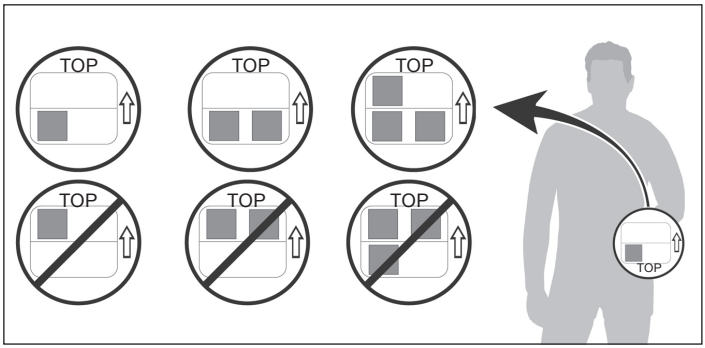
NOTE: *The weight pouches are specially pre-formed to fit the contour of your waist. Do not attempt to bend or straighten a pre-formed pouch.*

2. Lift up each pouch's flap (Fig 1a), and lay it back over the handle (Fig 1b). While holding the pouch fully open, insert the weight and then close the flap. When each pouch has been loaded with weight, firmly run your hand over the flaps to securely fasten the hook & loop (Fig 1c).



Installing weight in the large weight pouch

The procedure for loading the large weight pouch is the same as the standard pouch, except that the large weight pouch has an upper and lower weight compartment. SeaQuest/Aqua Lung recommends that the pouches be completely filled with four separate weight blocks (two per compartment); however, if you need to partially fill the pouch, load the bottom compartment first. Use the diagram below for proper weight placement. (This diagram is also sewn on the weight pouch flap.)

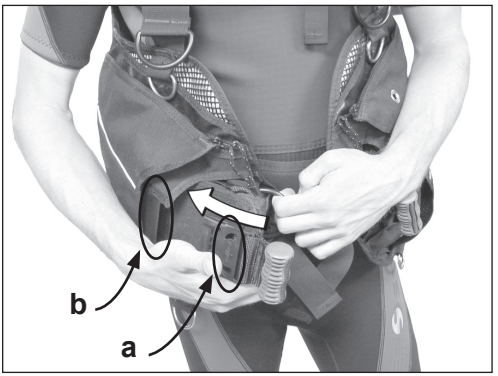


Surelock™ Weight Pouch Installation

CAUTION: Aqua Lung/SeaQuest strongly recommends that you do not attempt to don your BC when it is fully loaded with weight. You may otherwise risk injury due to muscle strain or a temporary loss of balance.

The pouches are installed with the smooth panel facing outward (pouch flap facing toward the BC).

To install either pouch, grasp the D-ring or lobe in front of the female SureLock™ receptacle with your opposite hand and slide the closed end of the pouch into the opening of the holster. Insert the male portion of the SureLock™ buckle (**a**) into the female receptacle (**b**) on the BC until you can hear/feel it click into place.



WARNING: Before every dive, it is important to make sure each weight pouch is secure, in order to prevent the pouches from falling out. Involuntary release of both weight pouches underwater can cause a sudden increase in buoyancy causing a rapid ascent, which could lead to serious injury or death due to arterial gas embolism, decompression sickness, or drowning.

Releasing Weight Pouches

Unlike a weight belt, which has only one release mechanism, each weight pouch is connected to the BC independently of the other and must be released separately. This provides you with the option of being able to jettison one pouch at a time, thereby maintaining better control of your ascent rate in an emergency.

In the event that you need to jettison weight, simply pull the release handle of each pouch towards the center of the waist buckle. When the pouch is completely disengaged from its holster, hold it out and away from your body before dropping it.

WARNING: Ensure that your weight pouches are not obstructed by any straps, lines, etc. DO NOT add weight to the BC's pockets, as this may interfere with the removal of the pouches in an emergency. Failure to ditch weight in an emergency may lead to serious injury or death due to drowning.

WARNING: To avoid injuring other divers, always look below you before dropping weight.

Note: *In addition to becoming familiar with the weight system yourself, it is very important to explain its function to your dive buddy so that he/she is equally familiar with it.*

Non-releasable Weight

To supplement the releasable weight, the Pro QDi3 is designed to carry non-releaseable weight in two fixed pockets located on the backside of the back pad. The maximum amount of weight that each pocket can hold depends on the BC size. Refer to the chart below:

BC Size	Max Wt. Each Pocket	Max Wt. Total
XS	3 lbs / 1.3 kg	6 lbs / 2.7 kg
Sm	4 lbs / 1.8 kg	8 lbs / 3.6 kg
Med	5 lbs / 2.3 kg	10 lbs / 4.5 kg
ML	5 lbs / 2.3 kg	10 lbs / 4.5 kg
Lg	5 lbs / 2.3 kg	10 lbs / 4.5 kg
XL	5 lbs / 2.3 kg	10 lbs / 4.5 kg
XXL	5 lbs / 2.3 kg	10 lbs / 4.5 kg

To install weight into the non-releasable weight pockets, simply disconnect the buckle, open the hook & loop retention flap, then slide in the weight. Close the hook & loop retention flap and fasten the buckle.

NOTE: *Aqua Lung recommends that the non-releasable pockets be loaded with equal amounts of weight for optimum balance. This will prevent the tendency to roll to one side during a dive.*

WARNING: Because the weight is non-releasable, it must not be used as your primary source of ballast. A large percentage of your weight should be in the releasable weight pouches. This will enable you to achieve positive buoyancy by ditching the weight pouches in the event of an emergency.

WARNING: The non-releasable weight pockets are intended strictly for containing non-releasable weight, used in addition to releasable weight. Do not fill either pocket with weight unless you are certain you can achieve positive buoyancy at depth by releasing your weight pouches or weight belt while your BC is completely deflated.

DONNING & ADJUSTMENT PROCEDURES

1. Remove the weight pouches from the BC.
2. Loosen and disconnect the chest buckle, waist buckle, and cummerbund.
3. Ensure that the swivel buckles on both torso straps are securely fastened. While firmly holding the torso strap where it connects to the BC lobe, fully extend each torso strap to its maximum length by pushing straight up on the slide buckle.
4. While your dive buddy lifts and holds the BC/cylinder be hind you, place your arms through the BC torso straps as if you were putting on a jacket.
5. While your buddy continues to hold the cylinder, secure the cummerbund around your waist (not hips). The best positioning of the cummerbund is between the hips and rib cage. The weight of the cylinder should rest on the lumbar region (lower part) of your back. The tensioning bands should be fully extended when fastening the cummberbund at the surface.

NOTE: *The Pro QD i3 cummerbund has a heavy-duty elastic tensioning bands that allows the cummerbund to compensate for suit compression while at depth.*

6. After the cummerbund is adjusted, connect the waist buckle and pull the adjustment straps until lightly snug.
7. Connect the chest strap buckle. Pull on the free end of the strap to tighten. The chest strap should feel comfort able across the chest; it should not be overtightened so that it feels restrictive.
8. After your buddy has released the cylinder and the BC feels comfortably supported on your hips and shoulders, bend forward at the waist and adjust the torso straps to a comfortable length by pulling on the torso strap D-rings.
9. If necessary, readjust the cummerbund so that is comfortably snug, but not restricting. The cummerbund should have an overlap of at least 4 inches (10 cm); any excess can be tucked under the BC.

☞ ***NOTE:*** *Adjusting the shoulder straps too tightly will transfer the cylinder weight from the hips to the shoulders, restricting your arm movement and decreasing comfort.*

9. If necessary, readjust the cummerbund so that is comfortably snug, but not restricting. The cummerbund should have an overlap of at least 4 inches (10 cm); any excess can be tucked under the BC.

INFLATION METHODS

Oral Inflation

The oral inflation tube is located under the flap/hook & loop on the left shoulder of the BC.

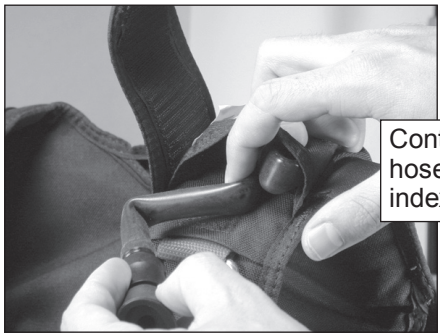
To orally inflate your BC, pull down on the mouthpiece to fully extend the oral inflation tube so that there are no kinks in the tube.

Push the mouthpiece against your lips and exhale into the mouthpiece. Immediately after exhaling, move the mouthpiece away from your lips to keep the air from escaping the BC.

Storing Oral Inflator

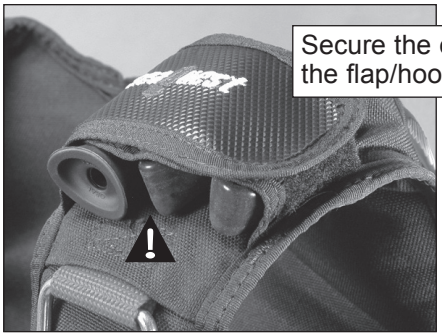
When the oral inflator is not in use, fold the tube and store it under the flap/hook & loop using the following method.

Using your index finger as a guide, begin folding the oral inflator hose, bending once under the pouch.

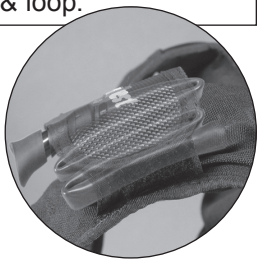


Continue by folding hose again, using your index finger as a guide.

Hose should fit evenly and flat in pouch under the flap/hook & loop.



Secure the oral inflater snugly with the flap/hook & loop.

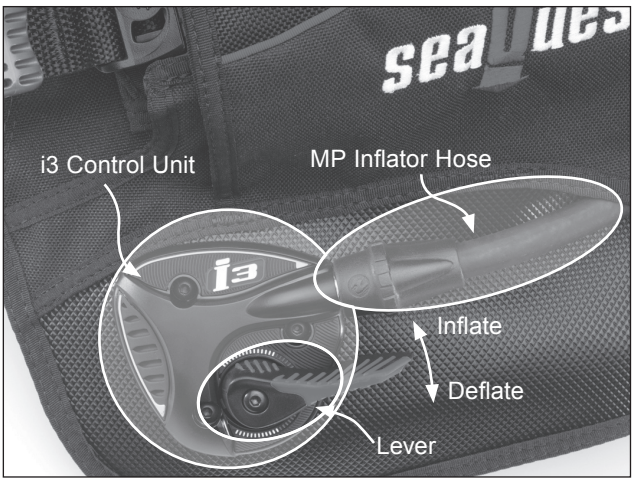


WARNING: Incorrect oral inflator storage could result in a failure to deploy.

Power Inflation with the i3 Control Unit

For the power inflator to operate, the MP inflator hose must be connected (see "Routing and Attaching the MP Inflator Hose", p. 10). After the hose is attached to the i3 Control Unit, pressurize the first stage regulator by slowly opening the cylinder valve.

To inflate your BC with air, lift up on the lever of the i3 Control Unit. Do not hold the lever up continuously underwater, as this could cause you to become excessively buoyant. Instead, inflate the BC in short bursts until you become neutrally buoyant.



WARNING: Avoid using excessive torque when lifting the lever of the i3 Control Unit.

WARNING: Do not rely on the i3 Control Unit as the only means to inflate your BC. It is important to practice the technique for orally inflating your BC so that you are prepared for any type of malfunction or out of air situation that could render the i3 Control Unit inoperable. You may otherwise be unable to achieve positive buoyancy in an emergency, which could lead to serious injury or death.

DEFLATION METHODS

Throughout the course of a dive, it will be necessary to release air from the BC using one of the two methods described in the following instructions.

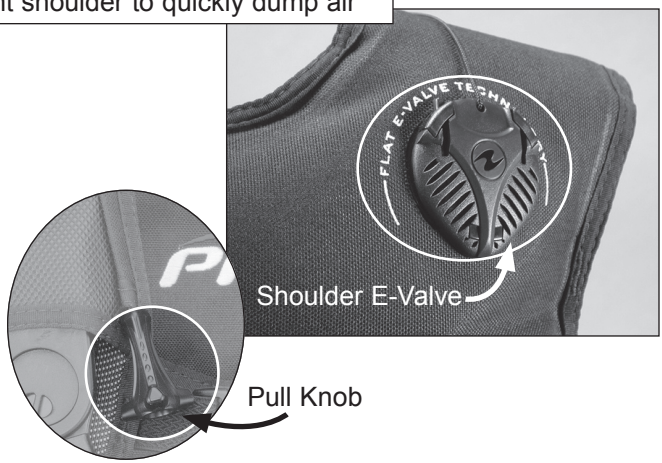
Deflation via i3 Control Unit

To deflate your BC, simply press down on the lever of the i3 Control Unit (see **Power Inflation with the i3 Control Unit** photo on the previous page). This will open both of the Flat E-Valves simultaneously to allow air to escape the BC regardless of your body position. Deflate the BC in short bursts until you become neutrally buoyant.

WARNING: Avoid using excessive torque when pressing the lever of the i3 Control Unit.

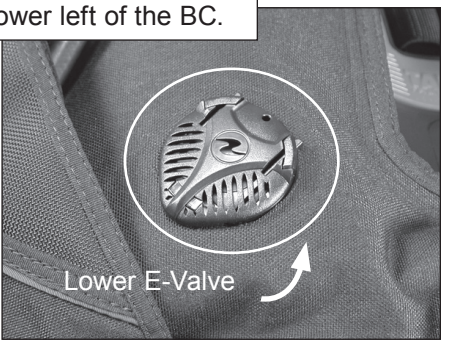
Deflation via Flat E-Valve (right shoulder)

The Pro QDi3 is equipped with Flat E-Valve Technology. To deflate the BC, manually pull on the knob and cord assembly located on the right front shoulder to quickly dump air



Overpressure Relief (OPR) via Flat E-Valve

In addition to the Flat E-Valve on the right shoulder, the Pro QDi3 has a second Flat E-Valve on the back lower left of the BC.



Both Flat E-Valves function as overpressure relief valves to relieve excess pressure inside the bladder.

NOTE: *One-way valves are included in Flat E-Valve Technology. This allows air to escape the BC yet does not allow water to enter while venting.*

CAUTION: The proper function of the overpressure relief valve is vital to prevent damage to the BC bladder. Unauthorized service or tampering may render these valves inoperable, and could cause the bladder to leak or burst. This type of damage is not repairable, and is not covered under warranty.

WARNING: Most training agencies recommend that you descend in an upright, feet-first position, in order to maintain a slower and more controlled descent. This is especially true if you experience difficulty equalizing your ears, or if you are descending in low visibility conditions.

SPECIAL FEATURES

Knife Attachment

The Pro QDi3 has two grommet holes located at the top of the left pocket. These holes are designed to accept many of the specialty knives available from Aqua Lung. For information on available knife models, consult with your Aqua Lung retailer. To attach the knife, refer to the instructions that come with the knife.

Octo Pocket™

The Pro QDi3 features an Octo Pocket™ which allows you to easily place your octopus (alternate air source) in a highly visible, easy to access location. Fold the hose back on itself and insert downward into the pocket.

Multiport

The Pro QDi3 is equipped with a multiport located on the left shoulder.

The multiport can be used with the dedicated oral inflator.

The multiport also allows use of the Air Source.

In addition, the multi-port is used as a rinse port for cleaning the inside of the BC.

PREDIVE INSPECTION

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

Inspection Checklist:

1. Connect the i3 Control Unit to a source of clean compressed air via the MP quick disconnect hose. Lift up and release the lever intermittently to ensure that the airflow is unobstructed, and that the airflow stops completely when the lever is released. Push down on the lever to make sure the BC is venting air.
2. Manually operate the Flat E-Valve by pulling on the attached knob and cord to release air from inside the BC, and then fully inflate the BC until the Flat E-Valve opens. Examine the operation of the Flat E-Valve by repeatedly inflating the BC to ensure that it opens to relieve excess pressure, yet closes immediately after ward to allow the bladder to remain taut and fully inflated.
3. Check the function of the oral inflator button.

WARNING: If you can hear any leaks, or if the bladder begins to deflate within 5-10 minutes, DO NOT attempt to use the BC until it has received service from an authorized dealer.

4. Fully inflate the BC once again, and disconnect the i3 Control Unit from the compressed air supply and listen closely for any leaks.
5. Check both weight pouches to ensure that they are correctly fastened to the BC prior to entering the water.

WARNING: Loss of the releasable weight pouches can occur if they are not properly secured. Involuntary release of both weight pouches can cause a sudden increase in buoyancy causing a rapid ascent, and could lead to serious injury or death due to arterial gas embolism, decompression sickness, or drowning.

POSTDIVE CARE & MAINTENANCE

With proper care, your BC will provide many years of reliable service. The following preventive maintenance must be performed to extend the life of your BC:

1. Avoid prolonged exposure to direct sunlight and extreme heat. Nylon fabric can quickly fade when exposed to the sun's ultraviolet rays, and extreme heat may damage the welded bladder seams.
2. Avoid repeated or prolonged use in heavily chlorinated water, which can cause the BC fabric to discolor and decay prematurely.
3. Do not allow the BC to chafe against any sharp objects or rough surfaces that could abrade or puncture the bladder. Do not set or drop heavy objects such as block weights on the BC.
4. Avoid any contact with oil, gasoline, aerosols, or chemical solvents.
5. To preserve the life of the bladder, rinse it inside and out with fresh water after every day of use, using the following procedure:
   a) Pressurize the i3 Control Unit with MP air via the MP hose.
   b) Using a garden hose, direct water through the multi port to flush the interior of the bladder, and then thoroughly rinse the exterior of the BC.

⚠ **CAUTION: Before rinsing, ensure that the i3 Control Unit is pressurized with air. This will prevent debris and contaminants from entering the valve mechanism if the lever is accidentally lifted.**

   c) Completely drain the bladder of water, either through the Flat E-Valves or the multiport.
   d) Inflate the BC, and allow it to dry inside and out. Store the BC partially inflated, away from direct sunlight, and in a clean, dry area. Do not store the BC in an enclosed space, such as a car trunk, where temperatures may fall below 0ºF (-18ºC) or rise above 120ºF (49ºC).

DEALER INSPECTION & SERVICE

WARNING: DO NOT attempt to perform any disassembly or service of your BC. Service requiring disassembly must only be performed by a factory-trained Aqua Lung/SeaQuest technician. To obtain service or repair, such as power inflator service or replacement of the bladder, see your local authorized dealer.

1. It cannot be assumed that the BC is in good working order on the basis that it has received little use since it was last serviced. Remember that prolonged or improper storage can still result in internal corrosion and/or deterioration of o-ring seals and valve springs, as well as bladder seam degradation.

2. It is imperative that you obtain prescribed dealer service for your BC at least once a year from an authorized dealer, including a general air leak inspection and complete overhaul of the i3 Control Unit and Flat E-Valve. Your BC may require this service more frequently, depending on the amount of use it receives and the environmental conditions it is used in.

3. If the BC is used for rental or training purposes in salt, chlorinated, or silted fresh water, it will require prescribed dealer service every three to six months. Use in chlorinated water will greatly accelerate the deterioration of most components, and require more frequent service.

4. **DO NOT** attempt to perform any disassembly or overhaul service of your BC. Doing so may cause the BC to dangerously malfunction, and will render the warranty null and void. All service must be performed by an authorized Aqua Lung/SeaQuest Dealer.

IT IS IMPORTANT TO OBTAIN PRESCRIBED DEALER SERVICE FOR YOUR BC AT LEAST ONCE ANNUALLY, FROM AN AUTHORIZED AQUA LUNG/SEAQUEST DEALER. YOUR PERSONAL SAFETY AND THE MECHANICAL INTEGRITY OF YOUR BC DEPENDS ON IT.

ANNUAL SERVICE & INSPECTION RECORD

Note: Serial number is located under oral inflator hold-down

Purchase Date _____

Store Name _____

Serial # _____

Date	Dealer Name	City, State	Tech Initials

WARRANTY INFORMATION

NOTE: To validate your warranty, please complete and return the enclosed warranty registration card within 15 days of purchase. You may also register online at www.aqualung.com, or www.sea-quest.com.

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

Limited Lifetime Warranty

Warranty coverage on buoyancy compensators covers the product throughout its useful life, subject to the conditions listed below and utilizes a pro-rated replacement policy*.

Aqua Lung America warrants to the original purchaser for the useful life of the product, from the date of purchase, that the product will be free from defects in materials and workmanship, provided that it receives normal use, proper care and prescribed dealer service subject to the limitations listed below. The Limited Lifetime Warranty is extended only to the original purchaser for purchases made from an Authorized Aqua Lung America Dealer and is not transferable. This warranty is limited to repair or replacement only at the discretion of Aqua Lung America.

Limitations

Warranty coverage does not extend to damages caused by improper use, improper maintenance, neglect, unauthorized repairs, modifications, accidents, fire, casualty or normal wear and aging.

Cosmetic damage(s), such as scratches, nicks and fraying are not covered under warranty except when the product is new, out of the original packaging.

This warranty does not extend to equipment used for rental, commercial or military purposes.

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

*Product Replacement on a Prorated Basis

Products under the Limited Lifetime Warranty that malfunction due to material or manufacturer defects that have also had a significant amount of use will be replaced on a prorated basis. Prorating will be determined by a percentage factor based on the condition of the product and how long the product was used prior to the warranty claim. This can be useful to evaluate Limited Lifetime Warranty claims since the warranty period is for the "useful life of the product" and not a set length of time. The following guidelines should be used in determining what prorated percentage will be used.

Note: This can be a subjective evaluation. Fair and reasonable judgment should be used.

Prorated values for products sold at retail	Aqua Lung Pays	Customer Pays
Like new and less than 2 years old	100%	0%
Slightly used and less than 5 years old	75%	25%
Very used and/or more than 5 years old	50%	50%
Worn out	0%	100%

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

AQUA LUNG/SEAQUEST DISCLAIMS AND EXCLUDES ANY LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES IN THE U.S. AND CERTAIN FOREIGN COUNTRIES DO NOT ALLOW EXCLUSIONS OR LIMITATIONS OF LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS MAY NOT APPLY TO YOU.

WARNING: It is dangerous for untrained and uncertified persons to use the equipment covered by this warranty. Therefore, use of this equipment by an untrained person renders any and all warranties null and void. Use of SCUBA equipment by anyone who is not a trained and certified diver, or receiving training under the supervision of an instructor, could lead to serious injury or death.

Pro QDi3
Buoyancy Compensator
Owner's Manual

2340 Cousteau Court • Vista, CA • 92081
(760) 597-5000 • www.aqualung.com

© 2006 Aqua Lung International

Literature PN 18347 Rev 11/2006