

# AQUA LUNG®

## Military & Professional

## Rapid Diver™ System



## User's Manual

Rev 7/17

## INTRODUCTION

Congratulations and thank you for choosing Aqua Lung. Your Rapid Diver™ System meets all existing standards for quality and performance and has been designed and manufactured with the greatest care.

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Rapid Diver™ System User's Manual PN 18563  
Rapid Diver™ System PN 769410, 769401, 769402

## TRADEMARK NOTICE

Aqua Lung® is a registered trademark of  
Aqua Lung America, Inc.

## WARNINGS, CAUTIONS AND NOTES:

Pay special attention to information provided in Warnings, Cautions and Notes that are accompanied by one of 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 AND WARNINGS



**WARNING:** Before using this product, you must receive instruction and certification in SCUBA diving and buoyancy control from a Military or government operated diving school (or any recognized certification agency). Use of SCUBA equipment by uncertified or untrained persons is dangerous and can result in injury or death.



**WARNING:** The use of some equipment requires additional training beyond that of conventional SCUBA instruction. Be sure to obtain the appropriate instruction from a recognized training agency based on the type of diving equipment being used.



**WARNING:** This manual provides user instructions for the Rapid Diver™ Pro BC and Rapid Diver™ System as a complete unit. Products that make up a Rapid Diver™ System will have user specific manuals included with each product. Before diving with your new Rapid Diver™ System it is important that you read each product specific manual in its entirety. This allows you to become familiar with the procedures for using each piece of equipment before, during and after the dive. Improper use of your Rapid Diver™ System could lead to serious injury or death.



**WARNING:** Become familiar with your BC 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.



**WARNING:** 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 product is not functioning properly or is damaged, remove it from service until it can be repaired by an Authorized Aqua Lung Dealer or Distributor.



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



**WARNING:** 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:** This is NOT a life jacket or rescue device: It does not guarantee a head-up position of the wearer at the surface. 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.



**WARNING: TEMPERATURE LIMITATIONS:** This BC should be exposed to temperatures no lower than -4°F (-20°C) and no higher than 150°F (65°C).



**WARNING:** Special instruction and procedures are needed when diving in cold water (temperatures below 50° F / 10° C). This instruction is beyond the scope of this manual. Use of this product without proper instruction in cold water diving techniques could result in serious injury or death. Consult a professional diving instructor prior to using this product in cold water.



**WARNING:** 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 arterial gas embolism or decompression sickness.



**WARNING:** 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 power inflator to lift you to the surface.



**WARNING:** 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.



**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 Dealer or Distributor.



**NOTE:** *CE Conformity - This BC conforms to EN 1809: 2014.*

It was controlled by the l'Institut National de Plongée Professionnelle, organisme notifié n°0078, entrée n°3 port de la pointe rouge 13008 Marseille -France.

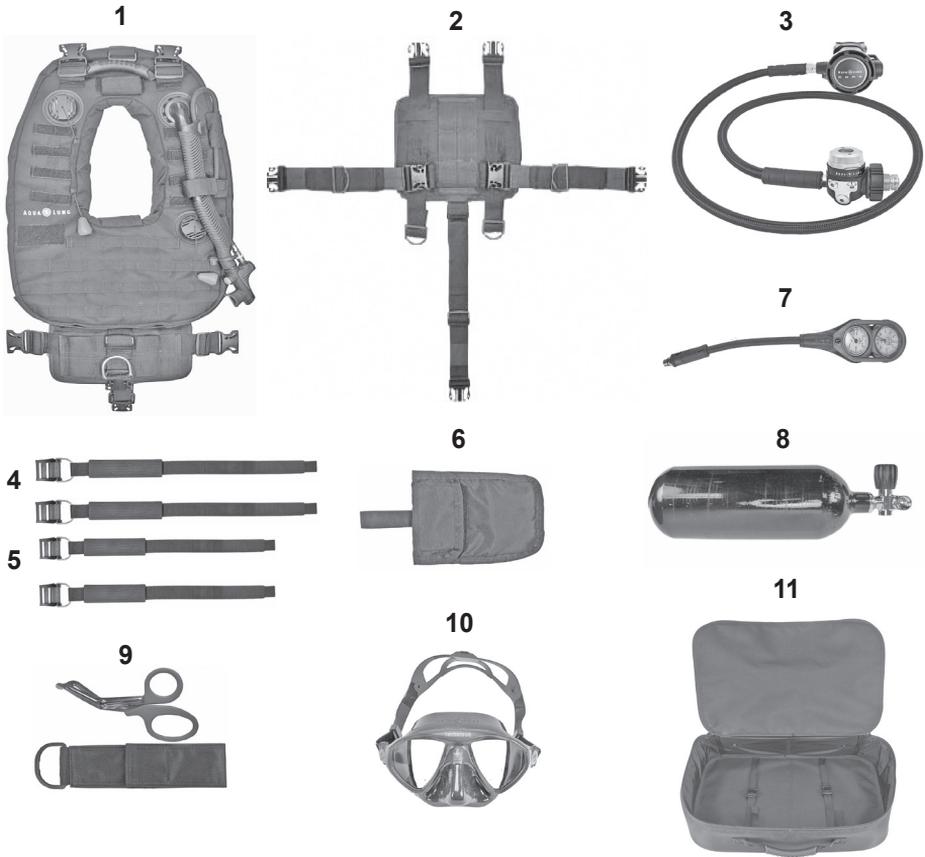
If you have any questions regarding your Buoyancy Compensator or these instructions, please contact your Authorized Aqua Lung Dealer or Distributor. Distributor information is available on the Aqua Lung website at: [www.aqualung.com/militaryandprofessional](http://www.aqualung.com/militaryandprofessional)

**PRODUCT DESCRIPTION**

Rapid Diver™ System consists of the following items:

 **NOTE:** Components that are included with the Rapid Diver System will vary depending on the part number ordered.

- (1) Rapid Diver™ Pro BC
- (2) Soft pack
- (3) Core Supreme (ACD) Regulator
- (4) Cylinder bands Long
- (5) Cylinder bands Short
- (6) Weight Pouch
- (7) Two Gauge Console
- (8) 27 cubic foot (4 L) Steel Cylinder
- (9) Cutting Shears
- (10) Micro Mask (Black)
- (11) Soft Case



## ASSEMBLING A RAPID DIVER™ SYSTEM

When you first receive your Rapid Diver™ System, it will be unassembled in its box. It is beyond the scope of this manual to cover the assembly of Life Support equipment, as this requires professional training. It will be necessary to take your Rapid Diver™ System into an Authorized Aqua Lung Dealer to have your Rapid Diver™ System assembled.



**NOTE:** The terms “Hook & Loop” are used throughout this manual. Hook & Loop is commonly known as Velcro®, which is a trademarked brand of hook & loop. Some of the BC components have hook & loop attachments.



**NOTE:** A water hydration bladder can fit inside the soft pack pocket. Water hydration bladders are not available through Aqua Lung.

### Front Mount Assembly

A cylinder can be attached horizontally to the front cylinder mount on the Rapid Diver Pro BC (**Fig. 1**). This will create a more streamlined position and allows for greater range of motion in the water.

1. Place the BC on a flat surface with the front cylinder mount face-up (**Fig. 1**).



**NOTE:** The short cylinder bands must be used to set-up a front cylinder mount configuration.



**Fig. 1**

2. Insert the open end of the cylinder band through the webbing on the bottom of the BC. Position the ribbed side of the traction sleeve face up. Insert the cylinder band into the top of the traction sleeve, under the front cylinder mount straps and out the bottom of the traction sleeve (**Fig. 2**). The traction sleeve should be positioned directly over the front cylinder mount (**Fig. 3**). Repeat process for other cylinder band.



Fig. 2



Fig. 3

3. The procedure for weaving the cylinder band through the cam buckle is covered in **Threading the Cam-Buckle** section of this manual.

4. Open the cylinder band buckles and loosen the bands.

5. Insert the cylinder into the bands from the right side. Position the cylinder so that the valve on/off handle is pointed down towards the diver's feet (**Fig. 4**).

6. The procedure for securing the cylinder band to the cylinder is covered in **Securing the Band to the Cylinder** section of this manual.

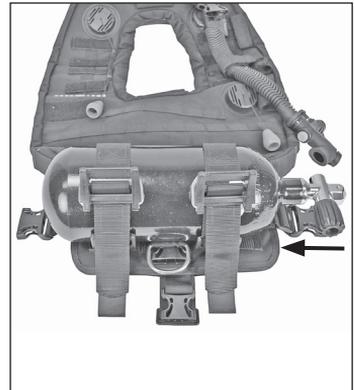


Fig. 4



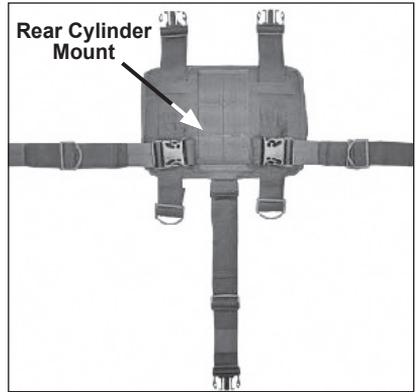
Fig. 5

7. Assemble the regulator first stage to the cylinder valve (*See manual provided with regulator for attachment instructions*). Make sure the first stage faces towards the diver (*Fig. 5a*).
8. Route the second stage regulator hose over the neck using the four hook and loop attachments (*Fig. 5b-e*).
9. Connect the MP inflator hose and secure it in place using the hook and loop attachment (*Fig. 5f*). The procedure for connecting the MP inflator hose is covered in the *Inflation Methods* section of this manual.
10. The two gauge console may be attached to the BC according to the divers preference.
11. **Slowly** pressurize the system while carefully listening for leaks. If any leaks are detected, do not dive with your Rapid Diver™ System until the source of the leak has been corrected.

**Rear Mount Assembly**

A cylinder can be attached vertically to the soft pack on the rear of the Rapid Diver Pro BC (**Fig. 6**). This configuration allows for larger cylinders to be used when needed.

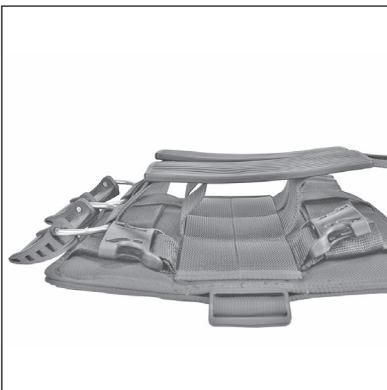
1. Place the soft pack on a flat surface with the rear cylinder mount face-up (**Fig. 6**).



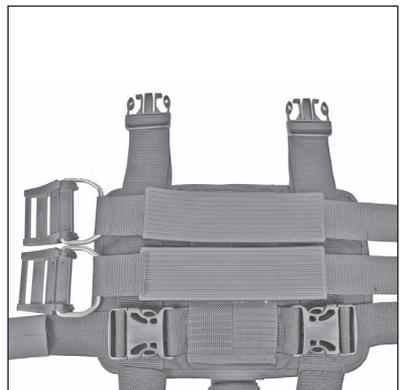
**Fig. 6**

 **NOTE:** The long cylinder bands must be used to set-up a rear cylinder mount configuration.

2. Position the ribbed side of the traction sleeve face up. Insert the open end of the cylinder band into left side of the traction sleeve, under the rear cylinder mount straps and out the right side of the traction sleeve (**Fig. 7**). The traction sleeve should be positioned directly over the rear cylinder mount (**Fig. 8**). Repeat process for other cylinder band.



**Fig. 7**



**Fig. 8**

3. The procedure for weaving the cylinder band through the cam buckle is covered in ***Threading the Cam-Buckle*** section of this manual.

4. Open the cylinder band buckles and loosen the bands.

5. Slide the cylinder band over the cylinder so the soft pack is at the desired position in relation to the cylinder valve. Make sure the cylinder valve air outlet is facing the back of the soft pack (***Fig. 9***).



**Fig. 9**

6. The procedure for securing the cylinder band to the cylinder is covered in ***Securing the Band to the Cylinder*** section of this manual.

7. Assemble the regulator first stage to the cylinder valve (***See manual provided with regulator for attachment instructions***).



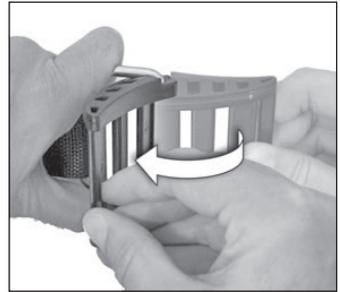
**NOTE:** When using the Rapid Diver™ System with a rear mount cylinder set up, a standard SCUBA regulator configuration must be used.

8. Connect the MP inflator hose and secure it in place using the hook and loop attachment (***Fig. 5f***). The procedure for connecting the MP inflator hose is covered in the ***Inflation Methods*** section of this manual.

9. ***Slowly*** pressurize the system while carefully listening for leaks. If any leaks are detected, do not dive with your Rapid Diver™ System until the source of the leak has been corrected.

**Threading the Cam Buckle**

1. Firmly grasp the metal D-ring with your left hand (*Fig. 10*).



**Fig. 10**

2. While firmly holding the metal D-ring, rotate buckle back towards the webbing. The buckle should form an angle with the metal D-ring as shown in the *top view* (*Fig. 11*).



**Fig. 11**

3. Insert band through the metal D-ring, then through the middle slot of the buckle (*Fig. 12*).



**Fig. 12**

4. Insert band through the inside slot of the buckle (*Fig. 13*).



**Fig. 13**



**NOTE:** Threading steps are imprinted on the plastic cam buckle.

## Securing the Band to the Cylinder

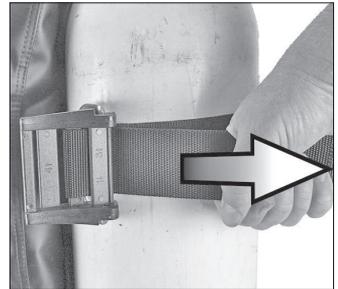


**WARNING:** The cylinder band will initially stretch as it becomes wet. Always wet the band before making the final adjustment; apply enough tension to ensure that the cylinder is completely secure. Test this connection before every dive. If the cylinder slips free from the BC during the dive, you may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



**NOTE:** Ensure the cam buckles are positioned on the bottom of the cylinder when using a front mount set-up.

1. While holding the cylinder secure, pull the free end of the cylinder band webbing until there is a very tight fit between the cylinder mount and the cylinder (**Fig. 14**).



**Fig. 14**

2. 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 (**Fig. 15**).



**Fig. 15**

3. 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. (**Fig. 16**).



**Fig. 16**

4. Check the cylinder band is secure by pulling on the band while holding the cylinder at the valve. If the cylinder band moves, it is too loose. Repeat steps 1-3.

## DONNING AND ADJUSTMENT PROCEDURES



**NOTE:** The Rapid Diver™ system can be balanced on the cam buckles for quick access when donning the system.

Rapid Diver™ is a universal fit system. To ensure proper performance, make sure your system is set-up and adjusted as follows: **(Fig. 17)**

1. Connect both shoulder strap buckles on the soft pack to the top of the BC and adjust as necessary.
2. Attach both waist straps buckles to the soft pack and front cylinder mount. The waist straps should be oriented so they adjust forward.
3. Make sure the lower waist strap buckles are adjusted all the way forward and tucked into the elastic retainer. Adjust the upper waist strap buckles half way.
4. The crotch strap should only be connected to the rear buckle at this time.



**Fig. 17**

5. Place your arms through the waist straps and grab the outside of the BC. Raise the Rapid Diver™ up and place your head through the opening in the BC and lower it onto your shoulders (*Fig. 18*).



**Fig. 18**

6. Pull one waist strap forward while simultaneously lifting the cylinder until it is even with your stomach. Repeat the process to tighten opposite waist strap (*Fig. 19*).



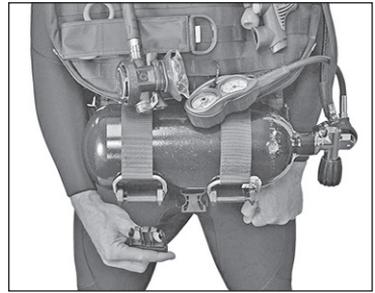
**Fig. 19**

7. The excess waist strap webbing can be stored between the BC and your chest (*Fig. 20*).



**Fig. 20**

8. Bring the free end of the crotch strap between your legs and fasten it to the front buckle (*Fig. 21*).



**Fig. 21**

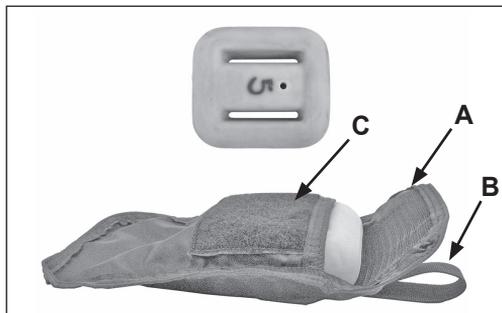


**WARNING:** Adjust the BC so it does not restrict your breathing. Restriction of normal breathing while wearing your BC could result in serious injury or death. Before each dive, check all bands, straps and buckles for proper adjustment.

## **WEIGHT SYSTEM PROCEDURES**

Rapid Diver™ is equipped with a single weight pouch that can be filled with up to 5 pounds (2.26 kg) or less of either block or soft weight (pouch containing lead shot). The weight pouch can be mounted according to diver preference.

Lift up the pouch's flap (*Fig. 22a*) and lay it back over the webbing loop (*Fig. 22b*). While holding the pouch fully open, insert the weight (horizontally) into the weight compartment, then close the flap. When the pouch has been loaded with weight, firmly run your hand over the flap to securely fasten the hook & loop (*Fig. 22c*).



**Fig. 22**

## INFLATION METHODS

### Power Inflation

For the power inflator to operate, the medium pressure (MP) inflator hose must be connected. To connect the MP hose, grip the grooved sleeve at the connection fitting (**Fig. 23d**) with your thumb and forefinger and slide the sleeve back. Place the connection fitting over the quick disconnect fitting (**Fig. 23c**) and firmly push inward while releasing the sleeve. Check to ensure that the hose is securely attached. After the hose is attached to the power inflator, pressurize the first stage regulator by slowly opening the cylinder valve.

To inflate your BC with medium pressure air, depress the power inflator button (**Fig. 23e**). Do not hold the inflator button depressed continuously underwater, as this could cause you to become excessively buoyant. Instead, depress the button in short bursts until you become neutrally buoyant.

The working pressure of the power inflator is as follows: 103 PSI (7 BAR) minimum to 294 PSI (20 BAR) maximum.

### Oral Inflation



**WARNING:** Do not rely on the power inflator 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 power inflator inoperable. You may otherwise be unable to achieve positive buoyancy in an emergency, which could lead to serious injury or death.

To orally inflate your BC, place your lips on the oral inflator mouthpiece (**Fig. 23a**) and exhale a small amount of air into the mouthpiece to purge any water that may still be in the housing. While continuing to exhale into the mouthpiece, depress the oral inflator button (**Fig. 23b**) to inflate the BC. Immediately after exhaling, release the oral inflator button to prevent air from escaping.

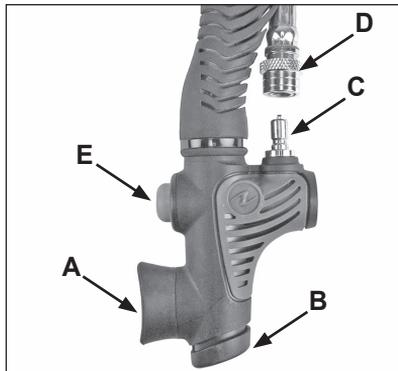


Fig. 23

## DEFLATION METHODS

Throughout the course of a dive, it will be necessary to release air from the BC using one of the three methods described in the following instructions. Each method uses a valve that is in a different location. The method you choose at any time may depend on whether you are making your initial descent feet first, head first or maintaining neutral buoyancy underwater. Always remember to utilize the valve that is at the highest point on the bladder, depending on your position in the water.

The deflation rate of the power inflator is as follows: 20 Newtons per second.

### Deflation (Oral Inflator)

To deflate the BC using the oral inflator, lift the inflator body to its highest possible position (above the head). Press the oral inflator button (**Fig. 24b**) to start venting air. To close the valve, release the oral inflator button.

### Deflation (Inflator Dump Valve)

Your BC comes equipped with a inflator dump valve (**Fig. 24f**) on the top of the airway assembly. The inflator dump valve has a cable inside the hose that attaches the lower inflator to a dump valve at the top of the airway assembly. You can vent air from the BC by gently pulling straight down on the lower inflator. To close the valve, stop pulling down and release the inflator.



**CAUTION:** It is not necessary to use excessive force when releasing air from the inflator dump valve. Travel of the valve is limited and pulling harder will not increase the air flow. Excessive force can damage the inflator dump valve mechanism, rendering it inoperable.

## Deflation (Dump Valve)

Your BC comes equipped with a dump valve / over pressure relief valve (OPRV) (**Fig. 24g**). The primary function is to relieve excess air pressure inside the bladder. If the internal pressure exceeds the spring pressure, the OPRV automatically opens to release air, preventing damage to the BC. The dump valve can also be opened manually by pulling on the pull knob and cord assembly to quickly dump air from the BC. To close the dump valve, release the knob and cord assembly.

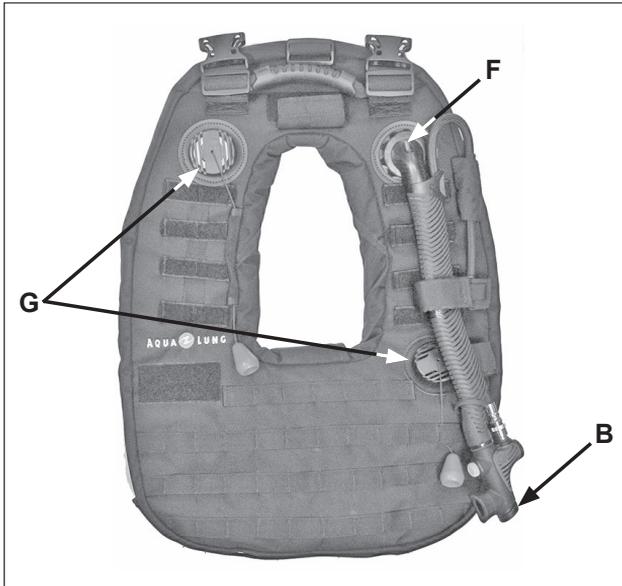


Fig. 24



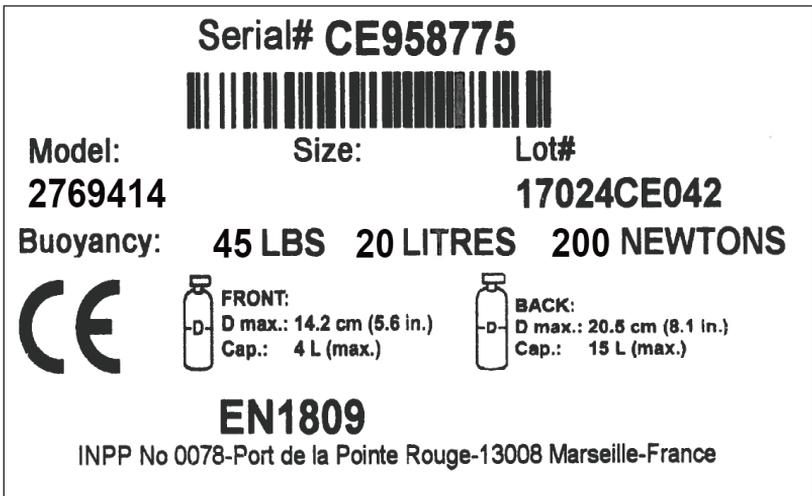
**CAUTION:** The proper function of the over pressure relief valve (OPRV) is vital to prevent damage to the BC bladder. Unauthorized service or tampering may render this valve inoperable and could cause the bladder to leak or burst. This type of damage is not repairable and is not covered under warranty.



**WARNING:** Most training agencies recommend that you should 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.

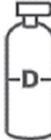
**BUOYANCY AND CYLINDER CAPABILITIES**

A tag attached to each BC contains specific information regarding the characteristics of your particular model BC, such as buoyancy and cylinder capabilities (**Fig. 25**). It is important to review this information in order to know the proper cylinder sizes that may be used and to ensure the amount of weight being used does not exceed the buoyancy of the BC.



**Fig. 25**

 **NOTE:** The BC tag above is an example only. Reference the specific tag located on your model BC.

Rapid Diver™ Pro BC Chart	
BC Size	One size fits all
<b>Cylinder Capacity</b>	 <b>Front:</b> D max: 14,2 cm (5,6 in) Cap: 4 L (Max.)  <b>Back:</b> D max: 20,5 cm (8,1 in) Cap: 15 L (Max.)

## PRE-DIVE INSPECTION

Before each use, your BC must be given a thorough visual inspection and functional test. NEVER dive with a BC that shows signs of damage to any of its components until it has received a complete inspection and service from an authorized Aqua Lung Dealer or Distributor.

1. Visually inspect the entire BC for cuts, punctures, frayed seams, excessive abrasion, damaged or missing hardware and other damage of any kind.
2. Connect the power inflator to a source of clean air, via the MP quick disconnect hose. Depress and release the inflator button intermittently to ensure that the airflow is unobstructed and that the airflow stops completely when the button is released (**See Inflation Methods**).
3. Manually operate each dump valve by pulling on the pull knob and cord assembly to release air from inside the BC, then fully inflate the BC until the (OPRV) opens (**See Deflation Methods**). Examine the operation of the (OPRV) / dump valve by repeatedly inflating the BC to ensure the valve opens to relieve excess pressure, yet closes immediately afterwards to allow the bladder to remain taut and fully inflated.
4. Check the function of the oral inflator button and inflator dump valve (**See Deflation Methods**) to ensure a rapid and unobstructed exhaust from each valve. Fully inflate the BC once again and disconnect the MP hose from the power inflator. Let the BC stand for 10 minutes and listen for any leaks.



**WARNING:** If you can hear any leaks or if the bladder begins to deflate within 10 minutes, **DO NOT** attempt to use the BC until it has received a complete inspection and service.

5. Make a final check of the cylinder band tension to ensure it has been secured properly. Re-tighten if necessary.
6. Before entering the water, check that the weight pouch (*if used*) is secured according to diver preference.



**NOTE:** See product specific manual for pre-dive inspection instructions of equipment not covered in this manual (regulator, gauges, cylinder).



**WARNING:** Loss of the weight pouch can occur if it is not properly secured. Involuntary release of the weight pouch 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.

## POST-DIVE INSPECTION

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 power inflator with medium pressure (MP) air via the MP hose.



**CAUTION:** Before rinsing, ensure that the inflator is pressurized with air. This will prevent debris and contaminants from entering the valve mechanism if the inflator button is accidentally depressed.

- b) Using a garden hose, direct water through the oral inflator mouthpiece to flush the interior of the bladder and then thoroughly rinse the exterior of the BC.
- c) Completely drain the bladder of water, either through the oral inflator or through the OPRV / dump valve.
- d) After rinsing, inflate the BC and allow it to dry inside and out.



**NOTE:** See product specific manual for post-dive inspection instructions of equipment not covered in this manual (regulator, gauges, cylinder).

## Storage

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 0°F (-18°C) or rise above 120°F (49°C).

## Transport

To avoid damage, store the Rapid Diver appropriately in the carry case provided with this product. An optional hard case (sold separately) is available for added protection in more rugged environments.

**RAPID DIVER™ SYSTEM AND ACCESSORIES**



**27 cf (4 L) Steel Cylinder, Black  
(PN 079170)**



**Core Supreme Regulator  
(PN 129900)**



**Apeks Console  
(PN AP0635IMP280)**



**Strap Kit  
(PN 769412)**



**Outer Bag  
(PN 769413)**



**Tank Band, 2.0, 27 cf  
(PN 28227)**



**Tank Band, 2.0, 80 cf  
(PN 28226)**



**Bladder, Rapid Diver™  
(PN 769415)**



**Powerline Inflator  
(PN 42810)**



**Micro Mask, Black  
(PN 505495)**



**Cutting Shears  
(PN 102125)**



**Carry Case, Rapid Diver™  
(PN 769400)**



**Hard Case, Rapid Diver™  
(Sold Separately)  
(PN 769470)**

**Rapid Diver™ Hoses**

Description	Part Number	Hose Length
LP Inflator Hose (Braided)	45827	27 inch (68.5 cm)
MP Regulator Hose (Braided)	769468	52 inch (132 cm)
HP Console Hose (Rubber)	769469	11 inch (28 cm)

## TECHNICAL SPECIFICATIONS

Regulator Model	Core Supreme (ACD)
First Stage	Balanced diaphragm with Auto Closure Device (ACD) Supreme version is cold water ready
Second Stage	Pneumatically balanced second stage with heat exchanger, Comfo-Bite mouthpiece, venturi lever and lip shield
Maximum Working Pressure	4350 PSI / 300 BAR using DIN adapter
Number / Size of Ports	2 HP 7/16", 4 MP 3/8"
Hose Length	52 inch (132 cm) braided MP hose
<b>BC Model</b>	
<b>Rapid Diver™ Pro with Soft Pack</b>	
Outer Container	1050 Light Ballistic with MOLLE attachments
Bladder	Heavy duty urethane
Inflator & MP Hose	Powerline inflator with 27 inch (68.5 cm) braided MP hose
Dump Valves	(1) rapid exhaust valve on inflator (2) universal dump valves
BC Attachment	Soft pack with rubber grip pad. Water hydration bladder can fit inside pocket on soft pack
Cylinder Attachment	Horizontally on front cylinder mount using (2) short universal cylinder bands Vertically on rear cylinder mount using (2) long universal cylinder bands
Weight System	(1) weight pouch (5 lbs maximum weight)
<b>Cylinder</b>	
27 cf (4 L) - 2400 PSI (165 BAR) steel cylinder with DIN valve	
<b>Console</b>	
<b>Analog</b>	
Depth Gauge	230 ft (70.1 m)
Pressure Gauge	0-5000 PSI (0-345 BAR)
HP Hose Length	11 inch (28 cm)
<b>* Rapid Diver™ System (Dry Weight)</b>	
23 lbs (10.4 kg) * Based on weight of items 1-9 under Product Description	

## DEALER INSPECTION AND SERVICE



**WARNING: DO NOT attempt to perform any disassembly or service of your Rapid Diver™ System. Service requiring disassembly must only be performed by a factory-trained Aqua Lung technician. To obtain service or repair, see an Authorized Aqua Lung Dealer or Distributor.**

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 power inflator and Over Pressure Relief Valve (OPRV). 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 Dealer or Distributor.



**NOTE:** See product specific manual for dealer inspection and service of equipment not covered in this manual (regulator, gauges, cylinder).



**NOTE:** It is important to obtain prescribed dealer service for your BC at least once annually, from an Authorized Aqua Lung Dealer or Distributor. Your personal safety and the mechanical integrity of your BC depends on it.



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**WARRANTY INFORMATION**

For detailed information on product warranties, please refer to the ***Terms and Conditions Section*** of the ***Aqua Lung Military and Professional Buyers Guide***.

The buyers guide can be viewed or downloaded from the Aqua Lung Military and Professional website at **[www.aqualung.com/militaryandprofessional](http://www.aqualung.com/militaryandprofessional)**





# **Rapid Diver™ System User's Manual**



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