



Italian Excellence

Since 1993

B.C.D.

Buoyancy Compensator Device

User Manual

English

CONTENTS

Important Warnings

Preparation before diving

- How to assemble the retaining rubber bungees
- How to assemble the tank straps
- How to assemble the hose to the inflator

Check before diving

BCD maintenance

- Maintenance after diving
- Maintenance of cutting instruments
- Storage for long inactivity periods
- Planned maintenance

Thank you for having purchased a Dive System BCD. All Dive System BCDs are rigorously manufactured in Italy within Dive System's premises, using the best materials and production techniques.

Our BCDs are CE certified according to the following laws: EN 250: 2000, EN 1809: 1997.

Important Warnings

This manual CANNOT replace the correct instructions given by a qualified instructor. Do not use this BCD until you have acquired practical diving skills, in a controlled environment, under a qualified diving instructor supervision.

Make sure to follow all instructions and safety warnings contained in this manual. An improper or bad use of this BCD can cause serious injuries or even death, caused by the lost of buoyancy control.

A BCD is not a safety jacket. In case of unconsciousness, the buoyancy with the user's face positioned upwards is not guaranteed.

A BCD is not a respiratory device. Do not breath the air inside the BCD bag. It may contain gases and liquid remains or other kinds of contaminants.

A BCD is not a lift bag. Do not use the BCD buoyancy capacity as a means to lift heavy object underwater. The sudden unhooking of the lifted object can cause balance lost of control or uncontrolled ascent to surface.

Attention in cold water (water < 7° C). Diving in cold waters (i.e. at temperatures of 7°C or less) are particularly dangerous. Even if Dive System equipment are suitable for such kind of diving, a special training made by a qualified instructor is necessary, anyway. Do not take part to diving in cold waters unless you have received an appropriated training and you are appropriately equipped.

Before every diving, always check your Dive System BCD valves, inflator, rubber retaining bungees and straps conditions.

Preparation before diving

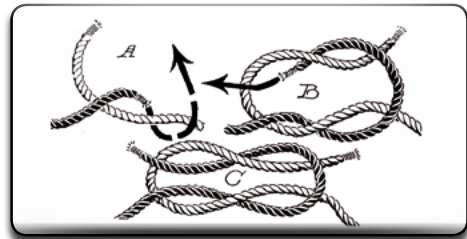
How to assemble the retaining rubber bungees

The Dive System back volume BCDs are provided with retaining rubber bungees. The rubber bungees ease the wing deflation and allow to keep the wing in shape with the diver, once it is flat.



When the wing is completely flat, insert the rubber bungee in both fabric loops placed on the wing's side.

Insert one bungee's end inside the corresponding metallic loop.
Make a FLAT KNOT having care that the bungee ends exceed of +/-3 cm after having tightened them firmly.



Once all bungees have been positioned, inflate the wing completely to check the knots' hold.

Beware: All bungees must hold the deflated wing with the same degree of tension. Dive System's wings are preformed to avoid the creation of air bags between one bungee and the other.

Beware: DO NOT make the knots in the area between the two fabric loops on the wing's side. Ensure that all knots are positioned in the wide area between the fabric and the metallic loop.

Beware: The extended exposure to the sun's direct light may damage the bungees' rubber.

Beware: Replace the bungees with the specific "Surgical Bungee Kit" code G4537 when they are worn or damaged.



How to assemble the tank straps

On the nylon buckle are stamped numbers (from 1 to 4) and arrows to help you during the assembling phase.

Attention: If you are not sure about the correct fastening of the tank to your BCD, turn to your instructor.

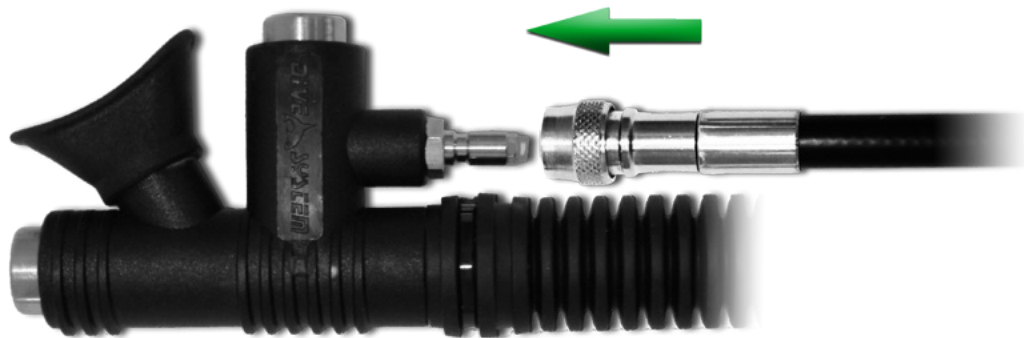


How to assemble the hose to the inflator

Connect the hose given with your Dive System BCD to a low pressure exit ("LP") on your first stage.

Attention: DO NOT connect the hose to a high pressure exit ("HP"). Connecting the BCD hose to a first stage high pressure exit may cause its blast and a danger of serious injuries.

Connect the hose to the inflator by the bayonet fitting, making sure that there are not remains of sand, salt crystals or anything else on the junction.



Open the tank's valve and verify the correct functioning of the inflator's inflate and exhaust buttons.

Attention: the missed or incorrect maintenance of the inflator metallic commands may cause its malfunctioning (e.g. self inflation).

Attention: This product has been designed to be used with gas mix with 40% O₂ maximum. Mix with >40% O₂ or other corrosive gases, may cause a premature corrosion, decay or malfunctioning of the various parts.

Check before diving

Attention: do not use a BCD which has not been exposed to a pre-diving check or if it has not passed it. The negligence or the damage of a BCD can cause accidents, even lethal.

Check the BCD has not cuts, holes, failed stitching, excessive abrasions, bad fixed or missing parts or any other kind of damage.

Inflate the bladder until it is full of air. Listen if there are air losses. In case of doubt, keep the BCD inflated for at least 30 minutes and then verify if any volume loss occurred.

Activate the inflating button (linked and under pressure), the exhaust button and the manual overpressure valve. Every of them must work properly.

BCD Maintenance

Maintenance After Diving

Attention: In order to keep the BCD at its best functioning conditions, an appropriate maintenance after every dive is very important. The lack of maintenance may cause premature wear and corrosion of the BCD components due to salt crystals, chlorine or other remains' action.

Attention: Do not use aggressive chemical solvents. If you need to remove nauseating smells or remains, use a delicate detergent (e.g. castile soap).

Attention: Use always fresh flowing water.

- Rinse abundantly the BCD's external part
- Fill in fresh flowing water (2-3 litres) by the inflator exhaust button, shake the bladder to supply it with water in an uniform way.
- Let water flow away using every exhaust valve
- Repeat this action, if necessary
- Rinse abundantly the BCD's valves and inflator pressing the inflate and exhaust buttons and opening the exhaust valve
- Hang the BCD up and let it dry in a shadowy environment.

Maintenance of cutting instruments

Some DiveSystem BCDs are equipped with cutting instruments (knives, line cutters, shears etc.) These tools can also be purchased separately.

To keep a correct functioning of blades, it is important to proceed with their maintenance after every diving.

- Rinse always the blade with abundant fresh flowing water, making sure to have removed any dirt remains from the blade and inside its sheath.
- Dry the blade accurately, paying attention not to hurt you
- Lubricate with a very thin coat of silicon spray or similar

Storage for long inactivity periods

Store the BCD completely clean (cfr. "Maintenance after diving"), dry and partially inflated in a shadowy, fresh and dry environment.

Unscrew slightly every overpressure valve caps to decrease the inner spring's strain. Screw again every overpressure valve caps to use the BCD again.

Planned Maintenance

The BCD must be examined and exposed to maintenance in an Authorized Assistance Centre at least once a year, or more frequently, if diving often. The warranty does not cover possible damages due to BCD's lack of maintenance.

