Product Description and Specifications

A complete harness and wing system with 60lbs of lift, the Nomad EXP is popular with tech divers for its trim characteristics as well as open water divers wishing to transition into technical diving down the road.

CE information

The PPE (Personal Protection Equipment) mentioned in this manual was tested and certified according to 89/686/EEC Directive, for a maximum depth of 50 meters (150 feet) by ITALCERT, Viale Sarca 336, 20126 Milano-Italy, Notified Body No. 0426. The device is in compliance with the EN 250 (PPE of category III in accordance with 89/686/EEC Directive) and EN 1809 (PPE of category II in accordance with 89/686/EEC Directive) and it is not a lifejacket; it does not guarantee a head-up position of the wearer on the surface.

CE0426 is the conformity marking according to 89/686/CDD Directive. The number 0426 identifies the Notified Body ITALCERT for the controls on the product according to Article 11A of the 89/686/CDD Directive (only for PPEs of III category).

Note: For CE certification, theses wings were tested with the T3000 TransPac Harness System.

Note: The buoyancy values for this wing in Newtons are nominal values rounded to the nearest 10N, according to the reference standard EN 1809. These buoyancy values may be slightly different from the actual buoyancy of the wing.

NOMAD EXP SIDEMOUNT BC4500

The Nomad EXP Sidemount Rig, with 60lbs (27kg/265N) of lift is designed for use with larger sidemount tanks to accommodate wreck or cave divers, and created as one integrated, continuous system consisting of a harness, wing and buttplate.

Trim is achieved by keeping the top of the wing narrow, allowing more lift at the bottom, which is ideal for rebreather and sidemount divers where heads-up buoyancy can be an issue. Single and double tank divers can limit and/or shift lift as needed by tightening the Gusset Control System (GCS) that is woven through tabs on the front face of the wing. Tanks are attached with a bungee and buttplate system, allowing the tanks to ride closely along the divers' side.

Completely customizable, the Nomad EXP Rig is available in sizes M, L, XL, XXL with choice of single bladder or dual bladder Nomad wing. The outer bag is made of tear- and abrasion-resistant 1680 denier ballistic nylon and the inner bladder is constructed of thick, 15-mil polyether aromatic polyurethane that is resistant to abrasion and chemicals, has excellent strength and resists microorganism growth. Urethane flanges are welded in place, to allow easy switch-out of corrugated hoses and over-pressurization valves without tools. Equipped with choice of 12-inch, 16-inch or 22-inch elbow corrugated hose, along with either 15-inch, 22-inch or 27-inch low-pressure inflation hose. A standard 2-inch crotch strap is included. Made in U.S.A. CE EN250 Approved.

WARNING: Before using your Nomad EXP wing in open water or other, more challenging environments, spend time in a controlled environment, such as a pool, practicing venting your wings in a variety of positions. The inability to vent such a high-capacity BC quickly and efficiently can lead to dangerous, uncontrolled ascents. Such ascents can result in *serious personal injury* or *death*.

Using a Redundant BC

The Nomad EXP wing with a redundant bladder contains a primary bladder, which you inflate and deflate through the large diameter inflation/deflation hose located on the left side of the BC. In the event of bladder or air hose failure, these BCs also contain a back-up bladder. You inflate and deflate the back-up bladder with the inflation/ deflation hose located on the right side of the BC. The secondary bladder is not designed to be used at the same time as the primary bladder to increase buoyancy; the secondary bladder is a back-up to the primary bladder. Due to construction constraints, the secondary bladder has less buoyancy capacity than the primary bladder. Do not plan dives with equipment that requires the maximum buoyancy of the primary bladder.

Keep the large-diameter inflation/deflation hose for the back-up bladder readily available as advised during training. We recommend that you keep a low-pressure inflator hose attached to this large diameter hose during each dive.

Care and Maintenance

With proper care and service, your BC can provide you with years of safe, enjoyable use. Without proper care, your BC can become damaged and be either unserviceable or dangerous to use.

Note: Stainless steel can develop rust even when properly cared for.

General maintenance procedures

- The sun's ultraviolet rays can fade and damage the BC, shortening its life. Store the BC away from sunlight and excessive heat. Although the wings are designed for use in water as cold as 28 F (-2 C) and as warm as 104 F (40 C), Dive Rite recommends storing the wings between 0 and 104 F (-18 to 40 C).
- Keep sharp objects from coming in contact with the BC.
- Take care when handling the BC. Do not rest heavy objects on the BC or drag it over rough surfaces.
- Periodically lubricate the low-pressure inflator hose coupling and quick-disconnect plug with silicone lubricant.

- Due to the type of material used in the construction of the BC, clean it only with fresh water and mild detergent. Chemicals, strong detergents, and cleaning solutions can damage the BC and shorten its life.
- Have the BC inspected yearly by your local, authorized Dive Rite dealer.
- Avoid excessive pool use. Excessive use in chlorinated water can lead to premature discoloration and shorten the products' life.
- Rinse the BC thoroughly after each use and allow it to dry completely before storing. Dive Rite recommends Salt-X for salt removal (www.salt-x.com).

WARNING: Do not disconnect the large-diameter inflation hose elbow/remote exhaust from the BC body. Detachment and re-attachment of this component should only be attempted by a qualified technician working under the supervision of an authorized Dive Rite dealer or distributor. Attempts to remove and/or replace this component without the necessary training and tools may result in permanent damage to the inflation hose assembly or BC.

Note: The greatest threat to the BC's long life is the presence of contaminants inside the BC. Salt water, when it evaporates, leaves behind razor-sharp crystals that can easily puncture BC fabric. Other substances can cause the inside surfaces of the BC to permanently stick to one another. To prevent this from happening, follow these steps:

1. Drain any water that may have collected in the BC during the dive. To do so, partially inflate the BC and then turn it over so that the hose elbow is at the lowest point. Depress the oral inflator/manual deflator button while squeezing gently on the BC. Continue to do so until all of the water is out.
2. Refill the BC with fresh water until it is approximately one-quarter full. Inflate the BC the rest of the way with air.
3. Turn the BC over and over, so that the fresh water has the opportunity to rinse all of the BC's interior surfaces.
4. Repeat step 1 to drain the fresh water from the BC.
5. Repeat steps 2, 3, and 4 one or two more times.
6. Rinse the exterior of the BC by immersing it in a tub or fresh water or spraying it gently with a hose.
7. Inflate the BC until it is nearly full and let it stand for 30 minutes. After 30 minutes, check the BC for loss of air.
8. Lay the BC out flat or hang it upside down for several hours to allow it to dry thoroughly.
9. Store the BC partially inflated in a dry, dark place.

Warnings

Before using your BC, there are several things you must do and be aware of. These include:

- Obtain a minimum of entry-level open-water scuba diver training and certification from a recognized diver-training organization.
- As part of this training, you must master all the basic skills of buoyancy control, including proper weighting, ascents, descents, surface swimming and resting, and establishing neutral buoyancy under water. This training must also cover (both at the surface and underwater) the use of buoyancy control devices (BCs), oral inflation of BCs, low-pressure inflation of BCs, and deflation of BCs using a variety of methods.
- You must read and understand this owner's manual and all other warnings that accompany the product. If you do not understand some part of this manual, contact Dive Rite or your local authorized Dive Rite dealer.
- Misuse of the BC can result in uncontrolled ascents, descents, or loss of buoyancy control. This, in turn, can cause serious personal injury or death.
- Failure to follow the instructions given in this manual or to heed the warnings it provides can cause equipment loss or damage, serious personal injury, or death.
- These BCs are NOT a United States Coast Guard approved personal flotation device (PFD). They will not provide face-up flotation for all users and conditions.
- These wings are only to be used with standard air or enriched air nitrox with an oxygen concentration not to exceed 50%. Use with a greater concentration of oxygen may create a fire hazard and expose the user to risk of serious injury. For safety reasons, it is strictly forbidden to change from air to nitrox and vice versa unless the buoyancy compensator has been inspected and properly cleaned by competent personnel. Remember that the depth and the duration of the dive are strictly dependant by the percentage of oxygen in the breathing gas.
- In case of contamination with oil, the wing must be inspected and cleaned by competent personnel.
- Always open the cylinder valve slowly, especially when using nitrox.
- These wings must be used with compressed air compliant with the standard EN 12021.

Inflation and deflation warnings

- When using a remote exhaust pull-dump, DO NOT continue to pull if air is not coming out. Adjust your body position so that the exhaust valve is at the highest point and then LIGHTLY pull down on the exhaust again. Do not yank on the exhaust as doing so could cause damage to the BC.
- Do not attach the low-pressure inflator hose to a high-pressure air source, such as the HP (high pressure) port of a regulator. The BC's low-pressure inflator and its supply hose can only handle pressures of approximately 150 pounds per square inch (10 bar) over ambient pressure.

Note: Read your regulator manufacturer's instructions concerning the proper connection of low- and high-pressure hoses. Installing or changing hoses should only be done by trained technicians working for factory-authorized dive centers. Product damage can result from improper hose connection.

- Always inflate the BC slowly, both at the surface and underwater. Rapid inflation underwater can result in uncontrolled ascents. Uncontrolled ascents can cause serious lung overpressure injuries, such as Arterial Gas Embolism (AGE). Serious overpressure injuries can result in death.
- Maintaining a safe rate of ascent requires training and practice. The BCs' overpressure relief valve does not control or prevent uncontrolled ascents.
- These instructions do not incorporate all of the steps required to orally inflate the BC above or below the water. Oral inflation of BCs underwater requires special training and practice. This should first be attempted under controlled conditions and under the supervision of a certified instructor.
- Never breathe from the BC's oral inflator/manual deflator mouthpiece. The BC may contain contamination or gas residue that may be hazardous if inhaled.
- Use of the oral inflator/manual deflator or overpressure relief valve for deflation may allow water to enter the BC. Repeated deflation of the BC under water may allow enough water to enter the BC to substantially reduce the BC's lift capacity (buoyancy) or interfere with its ability to allow the user to control buoyancy.

Note: If you have questions regarding any of the information you find in this manual or — equally important — questions pertaining to information about the BCs you cannot find in this manual, contact your local authorized Dive Rite dealer. If there is no authorized Dive Rite dealer in your area, contact Dive Rite directly, using the contact information appearing in this manual.

Warranty Information

Dive Rite BCs carry a limited lifetime warranty. Dive Rite will — at its sole discretion — repair or replace BCs proved to be damaged by faulty manufacture or material, at no cost, for the lifetime of the BC.

This warranty applies only to the original retail purchaser. It does not cover commercial or rental use, nor does it extend to units purchased from other than an authorized Dive Rite dealer.

This warranty specifically excludes color changes, light fastness, or fading. Dive Rite does not accept responsibility for stains or transference or bleeding of color to other items.

All BC bladders have a limited lifetime warranty against RF welded seam separation. No warranty exists for bladder punctures.

If we deem a BC to be beyond repair — through no fault of the user — then, and only then, will we replace the affected component(s).

To make a claim under this warranty, the owner must have registered his/her warranty using Dive Rite's website (www.diverite.com). All warranty repairs (international or domestic) *must* be accompanied by a copy of the purchase receipt. For warranty repairs (international or domestic), the product must be returned to the *store* where the item was purchased or directly to Dive Rite. Dive Rite and its authorized dealers are not responsible for shipping. Shipping charges are the responsibility of the purchaser. A Return Authorization must be obtained by calling Dive Rite corporate offices (386-752-1087) to send items to Dive Rite. No warranty service will be performed for other than registered owners. Dive Rite dealers and distributors are not responsible for service of items purchased from unauthorized dealers, internet dealers, or dealers from other territories.

This warranty becomes void if the BCs are damaged by anything other than normal recreational diving use, or if they have been serviced or repaired by other than authorized Dive Rite dealers.

Repairs made under this warranty will not extend the warranty period.

All further claims, especially for damage after diving accidents, are excluded from coverage under this warranty.

Dive Rite has no obligation to honor any extension of this warranty.

This warranty is in lieu of all other warranties, expressed or implied. No other person or representative is authorized to assume for Dive Rite any other liability in connection with the sale of this product.

Activating and utilizing your warranty

1. To activate your warranty, you must register your BC within 30 days of purchase through our online product warranty registration. This is located within our website at www.diverite.com/warranty.
2. Proof of original ownership is provided by your purchase receipt and should be retained for your records.
3. If you intend to receive your service directly from Dive Rite, you must first obtain a Return Merchandise Authorization (RMA) number by calling Dive Rite at 386-752-1087. Your RMA number is to be printed on the address label of your package.