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RG2200 BC Integrated Octopus

Product description

The Rite Source is both a BC inflation/deflation device and an alternate air source. The Rite Source comes with a low-pressure, high-volume inflator hose, corrugated, pull-dump hose, and the inflation/deflation/breathing device. The Rite Source is compatible with all Dive Rite first stage regulators and BCs.



Specifications

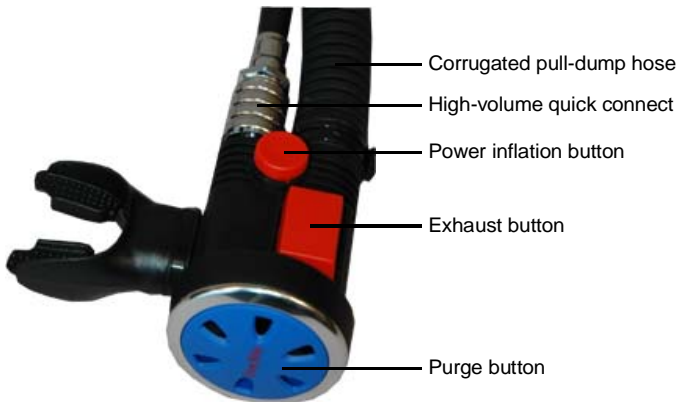
Corrugated hose: 16-inches with rapid exhaust pull dump
LP hose: 27-inches with a high volume quick disconnect fitting and 3/8-inch threaded end

Internal valve: Unbalanced downstream

Buttons: Power inflation button, exhaust button, purge button

Features and functions

- Exhaust button (rectangular button): Used to deflate the BC
- Power inflation button (round button): Used to inflate the BC
- Purge button: Purges the regulator portion of the system
- Corrugated pull-dump hose: Vents air from the BC when pulled
- High-volume quick connect: Provides air from cylinder to inflate BC and breathe from the second stage regulator



Installing the Rite Source

The Rite Source can be installed on any Dive Rite BC and first stage regulator. The low-pressure (LP) hose installs in a LP port on the first stage. The corrugated hose mounts to the BC's current corrugated hose screw-mount.

Note: The Rite Source should be installed on your BC and first stage regulator by an authorized Dive Rite dealer.

To install the Rite Source:

1. Remove your BC's current corrugated hose by unscrewing it where it attaches to the BC.
2. Remove the LP inflator hose from your first stage regulator.
3. Install the Rite Source corrugated hose to your BC by screwing it in place where you removed the prior hose in step 1. Make sure you replace the gasket.
4. Install the Rite Source LP inflator hose to a LP port on the first stage regulator.
5. Connect the quick-connect end of the LP hose to the Rite Source inflation/deflation/breathing device.
6. Connect the regulator to a cylinder and turn it on.
7. Check that there are no leaks and that everything functions properly.

Using the Rite Source

Caution: Before using the Rite Source on your first dive, it is recommended that you practice with the device in a controlled environment. This ensures you understand the operation of the device with respect to inflating, deflating, and breathing from the device. While breathing from the device, practice inflating and deflating your BC. Note that by slightly pushing down on the exhaust button you can still breathe normally while deflating your BC. Practicing with the Rite Source prior to use is important especially if you are in an out-of-air emergency situation.

Inflating and deflating the BC

Your BC can be inflated and deflated using the Rite Source. You can inflate the BC by using the push-button power inflator when it is connected to a pressurized cylinder. You can also manually inflate your BC by blowing into the mouthpiece while depressing the exhaust button.

Caution: Exercise caution when pressing the power inflator button. The BC could rapidly over inflate causing an unwanted rise towards the surface.

You can deflate your BC by pushing the exhaust button or by using the pull-dump exhaust. To deflate the BC using the exhaust button, place the Rite Source higher than the top of your BC, and then press and hold the button until the desired amount of air is vented. To deflate the BC using the pull-dump, hold and pull down on the corrugated hose until the desired amount of air is vented. The air will vent from your BC where the corrugated hose attaches to your BC.

Breathing from the second stage regulator

The Rite Source also operates as a regulator. It can act as your octopus regulator, meaning that in an out of air emergency, you will need to give your primary regulator

to the out of air diver and begin breathing from the Rite Source. The Rite Source breathes similarly to any standard second stage regulator. It provides air on demand with low inhalation resistance.

The purge button operates just like other regulator purge buttons. Press the purge button to exhaust water from the unit or exhale into the mouthpiece to exhaust the water.

Care and maintenance

Your Rite Source will provide you years of service with proper care and maintenance. This involves post-dive care and regular professional service.

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

Post-dive care: After use, thoroughly rinse the Rite Source in fresh water and allow it to thoroughly dry before storing it in a closed container. Do not hang or store the Rite Source in a manner that puts strain on the hoses. Dive Rite recommends Salt-X for salt removal (www.salt-x.com).

Professional service: Over time, mineral deposits and salt build-up will accumulate on your Rite Source, which can adversely affect its performance. Professional cleaning and service is the only way to remove these deposits and return the Rite Source to its proper working order. Other Rite Source breakdowns can also occur whether the Rite Source is used or not, such as spring tension and o-ring breakdown. These too will affect the performance of the Rite Source.

To keep your Rite Source working at its best performance, you should have your Rite Source serviced at least once every two years or 100 dives by a professionally trained technician.

Note: Avoid excessive pool use. Excessive use in chlorinated water can lead to premature discoloration and shorten the products life.

Important notice

Before using your Rite Source, there are several things you must do. 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 regulator use, including proper assembly and disassembly of complete scuba units, including regulator, cylinder and harness, regulator second stage recovery and clearing, continuous breathing while on scuba, and post dive regulator cleaning and storage.
- 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.

In providing this manual, we make certain common sense assumptions about your knowledge, skills, experience, and abilities. These assumptions include:

- That you are a certified scuba diver, whose training met prevailing standards of practice and included the proper assembly, use, and care of scuba regulators.
- That you further understand that the assembly and disassembly of the Rite Source, and any repairs to or internal maintenance of such components, should only be performed by a qualified technician who is working under the supervision of an authorized dealer. In other words, anything requiring the use of wrenches,

screwdrivers, or other tools is something an authorized dealer should be doing, not you.

Additionally, before using your Rite Source in open water, you should:

- Read and understand this manual in its entirety. There is very little, if any, information here that does not pertain to you. Don't risk missing vital information by picking and choosing the information you think applies to you.
- Practice using your Rite Source in calm, shallow or confined water before using it in more challenging conditions.

If you have questions regarding any of the information you find in this manual or have questions pertaining to information about your regulator system that 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.

WARNING: 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.

Warranty information

Dive Rite warrants the Rite Source against any and all defects in materials and workmanship throughout its useful life. This warranty does not apply to normal wear and tear, mouthpieces, hoses, o-rings, diaphragms, filters, valve seats, or any cosmetic damage and is extended only to its original owner.

Although this warranty is not contingent upon any *annual* service, it is highly recommended that any and all regulators receive an annual safety inspection performed by factory-authorized personnel. *Factory or authorized dealer servicing is required every 100 hours of dive time or every 2 years whichever occurs first.*

This warranty applies only to Rite Sources purchased from authorized Dive Rite Dealers.

Misuse, neglect, unauthorized service, as well as any modifications voids this warranty.

Dive Rite shall not be liable for incidental or consequential damages incurred through the use of the Rite Source. 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.

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

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. 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. Note: Local dealers and distributors are not responsible for service of items purchased from unauthorized dealers, internet dealers, or dealers from other territories.

Activating and Utilizing Your Warranty

1. To activate your warranty, you must register your Rite Source 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. To maintain your original-owner lifetime warranty, you must have your Rite Source serviced within the prescribed 100 hours of usage or two year time frame as outlined above. This service can be done at your local authorized Dive Rite Dealer or directly by Dive Rite.
4. 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.
5. Your owner's manual has a service log for you to record all your service history. This log is used to verify your adherence to the required service schedule to maintain your warranty.

Rite Source service log

Date of service	Dealer name	Service performed	Tech initials