

HD200 BCD USER GUIDE



CONTENTS

NOTICES.....3
DANGERS, WARNINGS, CAUTIONS, & NOTES.....3
WARNINGS.....4
INTRODUCTION.....5
CARE AND MAINTENANCE.....5
ADJUSTMENTS.....6
INFLATOR AND DUMP VALVE USE.....10
INTEGRATED WEIGHT SYSTEM.....11
DONNING AND FITTING.....12
RECORDS.....13
INSPECTIONS AND SERVICE.....13
NOTES.....13

NOTICES

LIMITED WARRANTY

For details, refer to the Product Warranty section on the Hollis web site: www.HollisGear.com

COPYRIGHT NOTICE

This operating manual is copyrighted, all rights are 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 Hollis.

HD200 User Guide, Doc. No. 12-4174
© Hollis, 2014
San Leandro, CA USA 94577
(510)729-5110

TRADEMARK, TRADE NAME, AND SERVICE MARK NOTICE

HOLLIS, the HOLLIS logo type, and HD200 are registered and unregistered trademarks, trade names, and service marks of HOLLIS. All rights are reserved.

PATENT NOTICE

U.S. Patents have been issued, or applied for, to protect the following design features: Backpack Systems (U.S. Patent No. 5,378,084, Gas Impermeable Laminate (U.S. Patent No. 5,693,412), Harness Buckle (U.S. Patent No. D409,114), Weight Drop System (U.S. Patent No. 5,218,745), Soft Backpack (U.S. Patent No. 4,952,095), and Compensating Waistband (U.S. Patent No. 4,732,305. Other patents pending.

EC TYPE EXAMINATION CONDUCTED BY:

SGS United Kingdom Ltd, Weston-super-Mare, BS22 6WA, UK Notified Body No: 0120'
Compliance with EN 1809:1997 Compliance with EN 250:2000

DANGERS, WARNINGS, CAUTIONS, AND NOTES

Pay attention to the following symbols when they appear throughout this document. They denote important information and tips.

-  **DANGERS:** are indicators of important information that if ignored would lead to severe injury or death.
-  **WARNINGS:** are indicators of important information that if ignored could lead to severe injury or death.
-  **CAUTIONS:** are indicators of information that if ignored may lead to minor to moderate injury.
-  **NOTES:** indicate tips and advice that can inform of features, aid assembly, or prevent damage to the product.

! WARNINGS !

- Hollis BC's are intended for use by divers who have successfully completed a nationally recognized course in scuba diving.
- As with all underwater life support equipment, improper use or misuse of this product can cause serious injury or death.
- Improper use of the oral inflation/deflation or dump valve assemblies may allow water to enter the BC resulting in a subsequent reduction in buoyancy. Loss of buoyancy control could result in serious injury or death.
- The HD200 is designed for operating temperatures between 1° and 40° C.
- This is not a life jacket; it does not guarantee a head up position of the wearer at the surface.
- Prior to each dive, inspect and test your BC for proper operation. If any part does not function properly, **DO NOT USE!**
- **DO NOT** inhale gases from within any Hollis BC.
- If you do not fully understand how to use your Hollis BC, or if you have any questions regarding its functions, you should seek instruction in its use from your authorized Hollis dealer before you utilize this product.
- Read and understand the owner's guide completely before diving with any Hollis BC.
- Have your Hollis equipment inspected and serviced annually or any time you have any concern about your equipment's function or condition by an authorized Hollis dealer.
- Any questions or concerns may be directed towards your local Hollis dealer. Alternately, you may contact one of our technical support representatives at 888-383-DIVE or info@hollisgear.com.
- It is the diver's responsibility to assure that fully configured, ready to dive systems are able to achieve neutral buoyancy at the beginning and end of any dive. Select a wing with adequate lift for the equipment being used.

INTRODUCTION

ASSESSMENT OF RISK

Hollis BC's are designed and intended for use by divers who have successfully completed a nationally recognized course in scuba diving. Hollis equipment must **NOT** be used by untrained persons who may not have knowledge of the potential risks and hazards of scuba diving. As with all underwater life support equipment, improper use or misuse of this product can cause serious injury or death.

SPECIFICATIONS

- 1000 Denier Cordura™ w/PU lamination outer & 15 mm urethane internal bladder
- Lift: sizes S & M - 35 lb (15.88 kg); sizes L & XL - 45 lb (20.4 kg)
- Two 10 lb (4.5 kg) pockets, integrated weight system
- Two 5 lb (2.27 kg) trim pockets, non-dumpable
- Lower left dump valve

CARE AND MAINTENANCE

Your Hollis BC is a reliable piece of equipment that was designed to withstand the rigors of diving. It will last for many years if cared for properly. Follow the procedures below to ensure a long life for your BC. You should have the entire BC inspected and serviced annually by an authorized Hollis dealer to ensure it is operating properly and no components are showing signs of wear.

PRE DIVE CARE

Before each dive check to make sure your equipment is working properly. If any piece of equipment is not working properly, **DO NOT USE!** If damaged, return to your authorized Hollis dealer for repair.

- Under pressure, attach the low pressure inflator hose to the inflator and depress the inflator button to make sure it is working properly.
- Check for leaks at the connection of the inflator.
- Check oral inflation/deflation button is working properly.
- Fill the BC system with air and check to make sure there are no leaks in the bladder.
- Check all dump valves to ensure air is not leaking in the closed position and that the air can be easily dumped.

POST DIVE CARE

To keep your BC in top condition, follow these procedures, in sequence, after each day of diving:

- Fill the BC one third full of fresh water through the inflator mouthpiece.
- Inflate fully, then rotate and shake, ensuring a complete internal rinse.
- Hold upside down and completely drain the water through the mouthpiece.
- Thoroughly rinse the outside of the BC with fresh water.
- Store partially inflated out of direct sunlight in a cool dry place.
- Periodically add BC disinfectant or Steramine™ (available in dive stores) to rinse water to kill any bacterial growth.
- Transport your BC in a padded carrying case or equipment bag, separated from sharp items (e.g., dive knife, spear gun, etc.) that might puncture the bladder.
- You should also protect the inflation system from damage due to heavy objects (e.g., dive light, weights, first stage, etc.).

ADJUSTMENTS

The HD200 system does not require any assembly, but there are adjustments and items that can be removed or added to the HD200 to customize your harness.

CUMMERBUND ASSEMBLY

To access the cummerbund for adjustment, remove the top of the back pad that is attached to the harness with an elastic loop (**Fig. 1**). This will expose the plastic backplate and cummerbund ends. To adjust, pull the cummerbund out of the harness sleeve, and undo the self gripping fastener of the cummerbund (**Fig. 2, 3**). Reposition to the desired length and reattach the self gripping fastener to secure (**Fig. 4**). Weave the cummerbund back through the harness sleeve (**Fig. 5**). Repeat with the opposite side of the cummerbund. Then replace the backpad.



Fig. 1

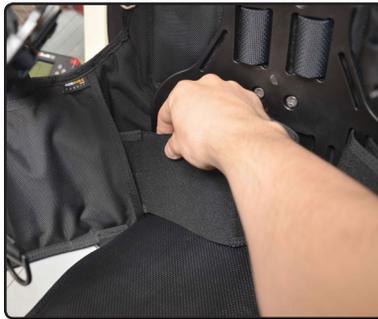


Fig. 2



Fig. 3



Fig. 4



Fig. 5

STERNUM STRAP

The sternum strap is adjustable. It can be installed in one of multiple positions or simply removed to suit diver preference (**Fig. 6, 7, 8**).



Fig. 6

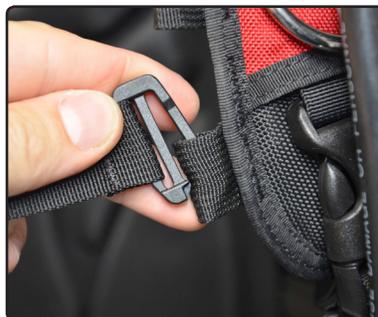


Fig. 7



Fig. 8

WAIST BUCKLE

Insert the waist buckle on the left side of the waist webbing. See pictures for recommended buckle weave. Weave (**Fig. 9**). When at the desired length pull the remaining webbing through the first slot and tighten (**Fig. 10**).



Fig. 9

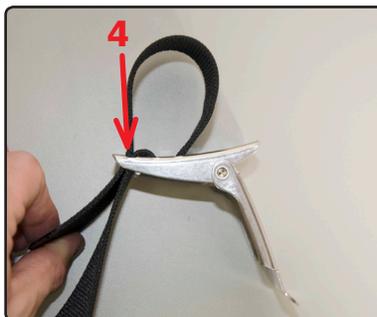


Fig. 10

! NOTE: Excess waist strap material may be trimmed. To prevent fraying, use a lighter to burn the edge of trimmed webbing.

CROTCH STRAP

Take the side of the crotch strap that is not looped in hand. Insert the belt slide, leaving about 8 in (20.3 cm) of webbing between the belt slide and the end of the webbing (**Fig. 11**). Then weave the webbing through the D-ring attached to the bottom center portion of the harness and back through the belt slide (**Fig. 12**). This is where adjustment to the crotch strap will be made. The looped end will thread onto the waist strap (**Fig. 13**). Use the clip for convenience of donning and doffing gear.



Fig. 11



Fig. 12



Fig. 13

ATTACHING A TANK

The HD200 is only designed to handle a single tank and uses a single cam band against a contoured hard plastic backplate that holds the tank securely (**Fig. 14**). Use the attached adjustable guide strap to position the tank on the contoured backplate by placing it around the neck of the tank (**Fig. 15**).



Fig. 14



Fig. 15

Use the following steps to weave the cam band. Nylon may loosen when wet, to ensure an extra secure hold, soak the straps in water before tightening:

- Pull the band through SS (Stainless Steel) attachment at the base of the buckle (Labeled 1) so the band is now on the outside of the buckle (**Fig. 16**).
- Now weave the band through the middle slot (Labeled 2) from outside to inside (**Fig. 17**).
- Now weave the band through the bottom slot (Labeled 3) of the buckle so the band is against the tank (**Fig. 18, 19**).



Fig. 16



Fig. 17

- Now weave the band through the bottom slot (Labeled 3) of the buckle so the band is against the tank (**Fig. 18, 19**). Pull the band tight to make sure there is no slack around the tank or in the buckle weave (**Fig. 20**).



Fig. 18



Fig. 19



Fig. 20

- With the band tight, weave the band through the top slot (Labeled 4) of the buckle from inside to outside (**Fig. 21**). Pull tight and fold the buckle over so it snaps against the tank (**Fig. 22, 23**). Now attach remaining webbing to the webbing against the tank using the self gripping patch (**Fig. 24**).



Fig. 21



Fig. 22



Fig. 23



Fig. 24

INFLATOR AND DUMP VALVE USE

W	LP Hose Connector
X	Power Inflator Button
Y	Mouthpiece
Z	Deflate/(Manual Inflate) Button



working pressures: min = 120 psi (8 Bar), nominal = 140 psi (9 Bar), max = 160 psi (11 Bar)

! NOTE: Install the inflator hose to your regulator per your regulator’s instructions, or have an authorized technician attach the LP hose to the regulator first stage.

MANUAL INFLATION

To manually inflate the BC, depress the manual inflation button and blow into the mouthpiece. Be sure to release the manual inflation button before you remove your mouth from the mouthpiece to ensure you do not lose any air through the mouthpiece. Repeat until desired buoyancy is achieved.

POWER INFLATION

To power inflate the BC, depress the power inflator button. This can only be achieved when the low pressure inflator hose is connected and under pressure from the regulator 1st stage. Use short bursts of air to inflate the BC being careful not to add too much air.

! WARNING: If you depress the Power Inflator fully, the BC will inflate rapidly. Be careful not to overinflate the BC causing an unwanted rapid rise towards the surface.

DEFLATING THE BC WITH POWER INFLATOR OR DUMP VALVE

To deflate the BC using the inflator, hold the inflator higher than the top of the BC and depress the deflate button to release the air. To deflate using the dump valve, lightly pull outwards and upwards. The mouthpiece or dump valve must be at the highest point of the BC to ensure complete deflation of the BC. While underwater, be sure to release the deflate button or dump valve before all air is released to prevent water from entering the BC.

ATTACHING THE LP (LOW PRESSURE) INFLATOR HOSE

With the inflator hose attached to the regulator, connect the regulator to a pressurized SCUBA tank. Grasp the QD (Quick Disconnect) end of the LP inflator hose and pull back the coupling release and press it onto the connector on the inflator system and let go of the coupling. Make sure the LP hose is securely attached before pressurizing the regulator system. Pressurize the regulator system by slowly opening the tank valve. Now press the power inflator button until you hear air flowing into the BC.

BUOYANCY CONTROL

Using the inflation and deflation methods described will help you maintain neutral buoyancy throughout your dive at different depths. A diver who practices buoyancy control can hover in mid water without varying depth. Having good buoyancy control will allow a diver to shed unnecessary lead weight and use less energy creating a longer, more relaxed dive.

INTEGRATED WEIGHT SYSTEM

LOADING WEIGHT POUCHES INTO WEIGHT POCKETS

Squeeze the tabs and pull the handle to remove the weight pouch from the pocket. Open the flap of the weight pouch. Insert the desired weight (up to 10 lbs/4.5 kg) into the pouch and secure the flap of the weight pouch with the self gripping fastener. Once the weight is secure in the pouch, insert the weight pouch into the pocket. Adjust the pouch so that it fits securely in the pocket. Then fasten the handle to the BCD, making sure it snaps into place.



Fig. 1



Fig. 2

- ! WARNING: The maximum weight capacity for each Weight Release Pocket is 10 lbs (4.5 kg). Amounts that you can actually load may be less due to the type and shape of weights being used.**

DROPPING WEIGHT POUCHES FROM THE POCKET

In an upright position, grasp the handles of both pouches (right and left). Then squeeze the release tabs while pulling the pouches completely out of the pockets. Hold the pouches out so they are clear of all of your gear, and drop them.

- ! WARNING: Dropping the weights will present you with immediate positive buoyancy.**
- ! WARNING: Practice this technique with and without weights while out of the water. DO NOT use the drop handles to lift or carry the pouches. Store the weight pouches in a position that will not distort the curved shape (weights down or removed).**
- ! WARNING: Use of the weight drop system may not afford the diver with face up flotation, especially if the weights are loaded towards the front of the pouches.**

DONNING & FITTING

Before any dive make sure that your BC System fits properly. With your required exposure suit on, don your BC System. Make sure it fits comfortably, but is not too tight around your shoulders, waist, and crotch (when using a crotch strap). Two fingers laying flat should fit snugly between the shoulders and webbing. Make any adjustments as necessary. Adjust the D-rings and clips to your desired position. A good starting point is a position where you can reach your chest, with your hand held flat horizontally, and holding your arm and hand parallel to the ground. Fine tune the fit as needed.

! NOTE: If you have any questions regarding your Hollis gear, visit your authorized Hollis retailer or contact Hollis Inc. and speak with one of our technical support representatives.

RECORDS

HD200 SERIAL NUMBER: _____

DATE OF PURCHASE: _____

HOLLIS DEALER: _____

DEALER PHONE NUMBER: _____

INSPECTIONS AND SERVICE

DATE	SERVICE PERFORMED	DEALER/TECHNICIAN

NOTES:



San Leandro, CA USA 94577
(510)729-5110
www.hollisgear.com
e-mail: info@hollisgear.com