



The only limit is your imagination ...



# Hugyfot User Manual

## Vision Hero 5



## History

In 1953, René Hugenschmidt is introduced to recreational diving in Nervi, Italy. From that moment on, he decides to dedicate his life to Underwater Photography. The young Swiss Engineer transformed his Zürichsee workshop into a Hugyfot plant, initially fabricating underwater housings for Agfa, Edixa, Exakta, Kodak, Leitz, Voigtländer, and Zeiss cameras.

Meanwhile, the Cousteau-Gagnan regulator is released and the world's first diving magazine is published in Paris. Professor Hans Hass, Austrian Marine Biologist and Underwater film pioneer, known for his documentaries Adventures in the Red Sea (1951) and Under the Caribbean (1954), sparks people's interest in the underwater world. The diving industry is starting to take shape ...

## Philosophy

At Hugyfot, our commitment to produce top quality underwater housings reigns supreme since 1953, distinguishing ourselves from the rest, thanks to our ergonomic designs, functionality, durable construction and attention to detail.

picture: Luc Eckhaut



Managing Director

*Luc Leys*



# Hugyfot User Manual

## Table of Contents

1.	<b>Introduction</b>	4
2.	<b>Safety precautions</b>	5
3.	<b>Tips</b>	5
4.	<b>Housing overview</b>	6
5.	<b>Installing the monitor sun hood</b>	7
6.	<b>Opening and closing the housing</b>	8
7.	<b>Installing the battery packs</b>	9-10
8.	<b>Installing the GoPro Hero 5 Black camera</b>	10-11
9.	<b>Powering the battery packs</b>	11
10.	<b>Charging battery packs</b>	12
11.	<b>Adjusting the monitor</b>	12
12.	<b>Buoyancy control</b>	13
13.	<b>Recording video and taking photos</b>	13
14.	<b>Macro lens</b>	14
15.	<b>Shutter release lock</b>	15
16.	<b>Easy flip filters</b>	15
17.	<b>Video lights</b>	16
18.	<b>Maintenance</b>	17



# 1. Introduction

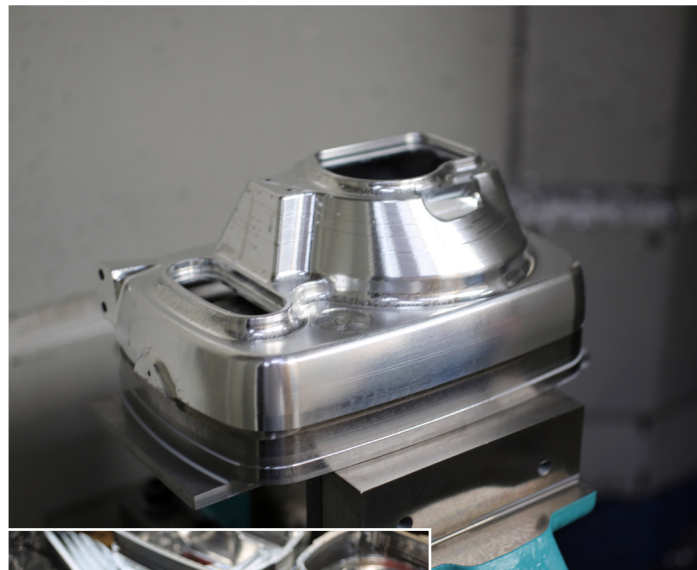
---

## **Thank you for purchasing Hugyfot products.**

When traveling to remote areas to capture exceptional images, leave nothing to chance, as there might never be a second chance. Using reliable equipment is particularly important when shooting underwater photos and videos. Your Hugyfot Vision Hero 5 underwater housing protects your GoPro Hero 5 Black, while giving you full control and access to your camera's features. Underwater photography takes place in extreme environments, which call for a compact, reliable and ergonomically designed housing, capable of withstanding harsh conditions, letting you capture images with ease and granting you access to essential onboard camera controls. Hugyfot is renowned for its ergonomic designs, functionality and experience manufacturing compact durable housings machined from solid blocks of marine grade aluminum. Traveling often involves keeping luggage to a minimum and Hugyfot housings prove to be your best choice, particularly when reliability, ease of operation and overall weight are determining factors.

Your Hugyfot Vision Hero 5 housing is crafted using the state of the art Computer Aided Design and Computer Aided Manufacturing techniques, machined from a solid block of marine grade aluminum, anodized and finished with a durable Teflon coating. All buttons and knobs are hand fitted. Each housing is carefully inspected and pressure tested to ensure reliable and flawless operation before it leaves our plant.

**This User Manual provides step-by-step instructions on how to install your GoPro Hero 5 Black camera into your Hugyfot Vision Hero 5 housing, helping to ensure correct functioning during dives. Read this User Manual carefully, take your time to review its content and practice these step-by-step instructions before diving.**



***Your Hugyfot Vision Hero 5 housing is machined from a solid block of marine grade aluminum.***

## 2. Safety precautions

---

**To prevent personal injury and/or damage to equipment, read this User Manual carefully, as well as your GoPro Hero 5 Black owner's manual, and other accessories used in combination with your Hugyfot Vision Hero 5 housing.**

### To prevent personal injury:

- Only use battery packs specified in this User Manual and follow manufacturer's instructions.
- Remove leaking battery packs immediately from your Hugyfot Vision Hero 5. Leaking occurrences are extremely rare. Handling a defective battery pack must be done with care, avoiding exposure to bare skin, inhaling gas emissions or contact with fluids that could leak from a defective battery pack.
- Keep battery packs away from children.
- Dive within your level of training, maintain awareness of your depth, tank pressure and decompression limits at all times.
- Your Hugyfot Vision Hero 5 underwater housing is designed to withstand depths of up to 655 feet (200 meters), well beyond recreational dive limits, as well as most technical dive depths. Stay within safety dive limits in keeping with your level of certification and expertise. Do not use your Hugyfot Vision Hero 5 housing at depths beyond your training level and skills.

### To prevent equipment damage:

- Never leave your Hugyfot Vision Hero 5 housing in direct sunlight as heat buildup may exceed recommended temperature ranges, causing permanent damage to electronic components, including your camera.
- Your Hugyfot Vision Hero 5 housing is designed to operate between 32°F and 122°F (0°C and 55°C).
- Do not use paint thinners, benzene nor harsh solvents to clean your Hugyfot Vision Hero 5 housing, as these products will damage the finish of your housing, can cause fire and are harmful to your health.

## 3. Tips

---

- Your Hugyfot Vision Hero 5 housing is developed and machined with great precision. Treat it with care. Avoid dropping or exposing to impacts.
- The inside of your Hugyfot Vision Hero 5 housing is not waterproof and must be kept dry at all times. Avoid water droplets from entering your housing. In the event salt water enters your housing, pad it dry immediately using an absorbent towel. Use a damp cloth to remove any salt crystals.
- Ambient humidity and temperature differentials may cause condensation inside your Hugyfot Vision Hero 5 housing, particularly when moving it from cold to warm environments. Avoid condensation by keeping your housing in a sealed bag or an airtight case. Allow your housing to acclimate, then remove it from the bag or case. To reduce risk of condensation, do not open your housing between dives.
- If condensation forms inside your Hugyfot Vision Hero 5 housing, do not use it. Open your housing, remove the camera, battery packs and allow condensation to completely evaporate before using it.
- Following any extended period of storage, check that your Hugyfot Vision Hero 5 housing is operating properly before diving.
- Thoroughly rinse your Hugyfot Vision Hero 5 housing in fresh water after each dive. Repeatedly push all buttons and levers while submerged to purge trapped water and flush internal spring mechanisms.
- Your Hugyfot Vision Hero 5 housing has two (2) O-rings. Carefully inspect, service and lubricate each O-ring before diving.

**Hugyfot recommends having your Vision Hero 5 housing serviced every 2 years, at a minimum, by an authorized Hugyfot dealer.**



## 4. Housing overview



1. Hugyfot Vision Hero 5 housing.
2. Shutter release.
3. GoPro Hero 5 Black power "On/Off" button
4. Flat port for GoPro Hero 5 and LCD screen.
5. Small window for battery pack status indicators.
6. Rotary secure lock mechanism.
7. Easy flip red filter with flat port cover.
8. Sturdy aluminum handles with 1" ball mounts.
9. Multipurpose tray.
10. HDMI 7" monitor.
11. Monitor adjustment buttons.
12. Monitor sun hood.
13. GoPro Hero 5 Black cradle.
14. Plug and play pre-wired USB and HDMI connectors.
15. Two (2) Hama Premium Alu Power Pack 8000mAh (5h battery life), or approved equivalent.
16. Dual O-ring system.
17. Easy flip Macro lens (sold separately).
18. Buoyancy control weights.
19. Monitor battery pack power "On/Off" button
20. GoPro Hero 5 Black battery pack power "On/Off" button

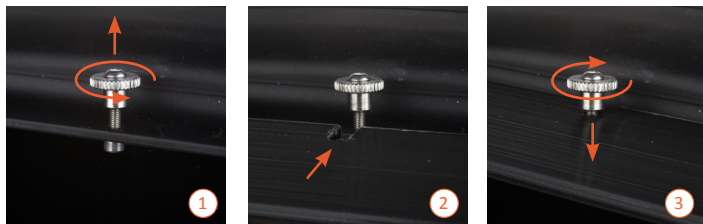
## 5. Installing the monitor sun hood

**Install the monitor sun hood prior to using your Hugyfot Vision Hero 5 housing. This reduces glare, unwanted reflections and protects your monitor when opening or closing your housing.**

The sun hood of your Hugyfot Vision Hero 5 housing is fastened with 3 thumb nuts. To install the sun hood, loosen thumb nuts (1). **Do not completely remove thumb nuts!**

Once all 3 thumb nuts are loose, install the sun hood by sliding it into place (2). With the sun hood in place, carefully finger tighten the thumb nuts, securing it in place (3).

With the sun hood installed, your Hugyfot Vision Hero 5 housing can now be opened or closed, provided your housing is placed on a flat stable surface, with the monitor face down.



*The sun hood of your Hugyfot Vision Hero 5 housing is secured with 3 thumb nuts (left, top, right).*



## 6. Opening and closing the housing

**Your Hugyfot Vision Hero 5 housing is equipped with a rotary secure lock mechanism. Open or Close your housing by turning both rotary secure locks at the same time.**

### Opening the housing:

- Place your Hugyfot Vision Hero 5 housing on a flat stable surface, with the monitor face down. Ensure the monitor sun hood is installed prior to opening your housing (See step No. 5 - Table of Contents).
- Turn both Rotary secure locks at the same time until notches are facing up (see picture below).



- Once retaining pins are visible through the Rotary secure lock notches, the front cover of your Hugyfot Vision Hero 5 housing can be lifted. Your housing is now open.



### Closing the housing:

- Place your Hugyfot Vision Hero 5 housing on a flat stable surface, with the monitor face down.
- Your Hugyfot Vision Hero 5 housing has two (2) O-rings. Carefully inspect, service and lubricate each O-ring before diving.



- Turn both Rotary secure locks at the same time until notches are facing up (see picture below).



- Place the front cover of your Hugyfot Vision Hero 5 housing over the back part where the Rotary secure locks are located. Align cover retaining pins with corresponding Rotary secure lock notch and confirm cover sits properly in place, then proceed to turn both Rotary secure locks at the same time until retaining pins are securely locked. Your housing is now closed.

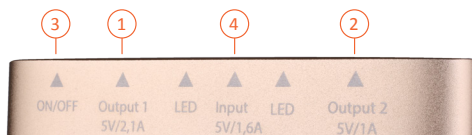




## 7. Installing the battery packs

Your Hugyfot Vision Hero 5 housing is powered by 2 battery packs. One powers the HDMI 7" monitor and one powers your GoPro Hero 5 Black. Fully charge battery packs prior to use.

Battery packs are equipped with a 2.1A outlet (1) and a 1A outlet (2). Always use the 2.1A outlet to power the HDMI 7" monitor and the GoPro Hero 5 Black. "On/Off" switch (3). Use input port (4) to charge battery pack (See step No. 10 - Table of Contents).



Prior to installing the battery packs, open your Hugyfot Vision Hero 5 housing and verify that cable connectors are accessible: GoPro Hero 5 Black USB-C power (A); GoPro Hero 5 Black HDMI port (B); USB battery pack to monitor\* (C); USB battery pack to GoPro Hero 5 Black\* (D).

\* Use 2.1A outlet

### Step 1: installing the monitor battery pack

- Place a battery pack in the tray, confirm "On/Off" switch aligns with top red push button (1);
- Tilt battery pack toward you, connect USB battery pack to monitor\* (C) using the 2.1A outlet (2);
- Seat the battery pack allowing it to lay flat against the tray. It should click into place (3);
- The battery pack is now securely installed (4).



## Step 2: installing the Hero 5 power bank

- Place second battery pack in the tray, confirming that the “On/Off” switch aligns with bottom red push button (1);
- Gently push battery pack all the way in until securely tucked in place with groove (2);
- Connect USB battery pack to GoPro Hero 5 Black USB-C power (D) using the 2.1A outlet (3);
- Seat the battery pack allowing it to lay flat against the first battery pack. It should click into place (4);
- The battery pack is now securely installed (5).



## 8. Installing the GoPro Hero 5 Black camera

**Prior to installing your GoPro Hero 5 Black into your housing, remove the side door from the HDMI/USB-C ports (Consult your GoPro Hero 5 Black owner's manual on how to remove/install side door) (1).**

- With the side door removed, place your GoPro Hero 5 Black into the cradle with the HDMI/USB-C port facing the HDMI/USB connector cables inside your housing (2);
- Once your GoPro Hero 5 Black is in place, route HDMI/USB-C cables through the square grommet next to camera cradle (3);
- Connect USB-C cable to GoPro Hero 5 Black (A) (4);



- Connect HDMI cable to GoPro Hero 5 Black HDMI port (B) (5);



The housing is now ready to be closed (See step No. 6 - Table of Contents - opening and closing your housing).



## 9. Powering battery packs “On/Off”

With both battery packs and GoPro Hero 5 Black installed, your Hugyfot Vision Hero 5 housing is ready to use.

- To power the monitor battery pack, holding your housing by handles facing the monitor, press the top red button on the on the left-hand side of the housing, holding it for 1 second (1);
- To power it down, push the button holding it for 3 seconds;
- To power the GoPro Hero 5 Black battery pack, press the bottom red button on the left-hand side of the housing, holding it for 1 second (2);
- To power it down, push the button holding it for 3 seconds;
- With both battery packs “On”, and the flat port cover up, your monitor should be displaying images from your GoPro Hero 5 Black.



The battery packs are equipped with 4 blue LED's to help estimate available power (1 LED: 25%, 2 LED's: 50%, 3 LED's: 75%, 4 LED's: 100%). To review how your battery packs are doing while diving, simply peek through the small front window of your housing (3).

## 10. Charging the battery packs

Battery packs can be charged in place, or removed from the housing.

To charge the battery packs in place:

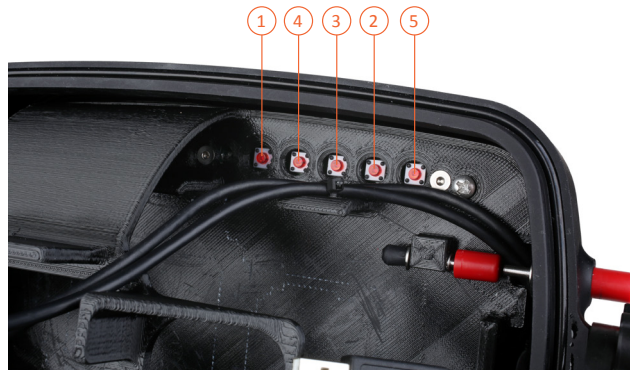
- Power down your GoPro Hero 5 Black;
- Power down battery packs;
- Connect a USB charging cable to the input port of the battery pack (1);
- LED's blink when charging, gradually increasing with charge level;
- A fully charged battery pack displays 4 solid LED's;
- Once your battery pack is charged, disconnect charging cable.



## 11. Adjusting the monitor

The HDMI 7" monitor of your Hugyfot Vision Hero 5 housing can be adjusted to suit personal preferences. With your housing open, you can make adjustments using the push buttons.

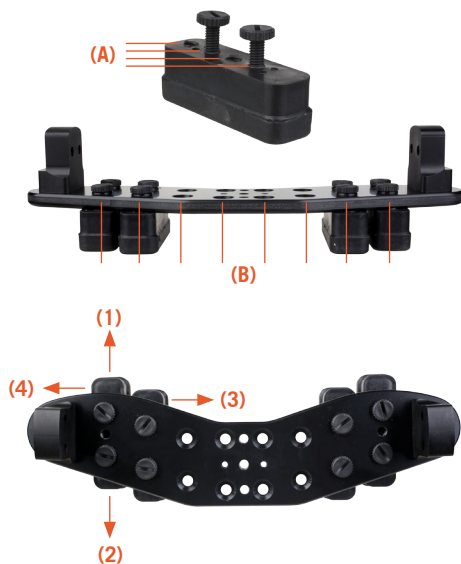
- Monitor power "On/Off" switch (leave "On") (1);
- Menu (Brightness, Contrast, Saturation, ... (2);
- Increase (+) value of selected setting (3);
- Decrease (-) value of selected setting (4);
- Screen mode (5).



## 12. Buoyancy control

**Your Vision Hero 5 housing has a positive buoyancy of 544gr in salt water. It comes with 4 weights (136gr each) that can be used to make it 100% neutrally buoyant in case no lights or other accessories are being used.**

In order to make your Vision Hero 5 housing 100% neutrally buoyant (no extra accessories added) fix all 4 weights as indicated on the pictures below. You will have to remove both handles to get access to the upper part of the lower wing. Each weight has 4 screw holes (A) and the wing has 8 rows of holes (B). By moving the weights to the front (1) or to the back (2) and to the inside (3) or outside (4), the housing buoyancy position can be trimmed if required.



## 13. Recording video and taking photos

**With you GoPro Hero 5 Black installed, battery packs fully charged, O-rings checked and your housing closed, you are ready to start recording videos and taking photos.**

Start by powering up the monitor. Hold your housing by handles facing the monitor, press the top red button on the left-hand side of the housing, hold for 1 second (1).

Power up your GoPro Hero 5 Black. Hold your housing by handles facing the monitor, press the red button on the lower right-hand side of the housing, hold for 1 second (2).

When your GoPro Hero 5 Black is running on its internal battery, you can extend recording time by powering up the GoPro Hero 5 Black battery pack by pressing bottom red button on the left-hand side of the housing, hold for 1 second (3).

Confirm monitor displays images from your GoPro Hero 5 Black  
Pressing the shutter release will activate recording. You are now recording video and taking photos.

Hugyfot recommends consulting your GoPro Hero 5 Black owner's manual. Familiarize with its icons, messages and settings. Your housing's HDMI 7" monitor displays GoPro icons when recording video, standing by or taking photos, as well as general settings. You can assess battery life, available memory and other relevant information. Consult your GoPro Hero 5 Black owner's manual for details.





## 13. Macro lens

**Capture small subjects in sharp focus, with plenty of detail to fill your screen with a Macro lens. Your Hugyfot Vision Hero 5 housing can be upgraded with an easy flip macro lens (sold separately).**

Install an easy flip lens holder to your Hugyfot Vision Hero 5 housing by following these steps:



Mount the hinge of the easy flip lens holder to the right of housing flat port using two M3 Allen hex screws (provided with easy flip lens holder). Keep hinge straight edge to the left and curved edge to the right.

straight edge  
left



curved edge  
right



Mount easy flip lens holder onto hinge and fasten it to your housing with provided Allen hex screw cap, threading it from bottom.

Once mounted to your housing, a macro lens can be flipped in front of your GoPro Hero 5 Black **(A)**, or flip aside when not in use **(B)**. When recording video or taking photos with your GoPro Hero 5 Black, reduce image vignetting by setting your camera's field of view to "Narrow".

The easy flip lens holder can be used in combination with a variety of M67 threaded lenses. Hugyfot offers a kit that includes an easy flip lens holder and an M67 (+10) diopter macro lens.



(A)



(B)



M67 (+10) diopter macro lens



Easy flip lens holder

When using an easy flip lens holder with (+10) diopter macro lens, remove one of the weights to maintain neutral buoyancy (See buoyancy control - Page 13).

## 14. Shutter release lock

Prevent unintended recordings from occurring by placing a shutter release lock over the shutter release lever. Adjust spacer between housing and shutter release (1), locking shutter release in place. Remove shutter release lock by gently lifting tongue (2) lifting shutter release lock from the shutter release lever.

Alternatively, you can prevent unintended recordings from occurring by disabling your GoPro Hero 5 Black “Quickcapture” feature (Consult your GoPro Hero 5 Black owner’s manual on how to enable/disable Quickcapture).

When enabled, Quickcapture auto-powers up your GoPro Hero 5 Black, and starts recording with a single press of the shutter release.



(1)



(2)

## 15. Red/magenta filters

Your Hugyfot Vision Hero 5 housing comes standard with an easy flip red filter with flat port cover. An optional magenta filter is available (sold separately).

Protect the flat port of your Hugyfot Vision Hero 5 housing by keeping the flat port cover closed when not in use.

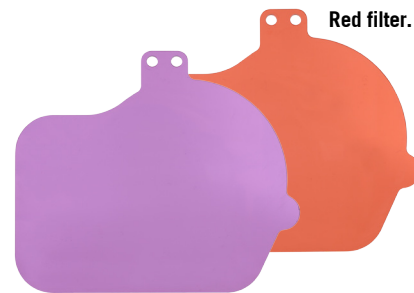
Use an easy flip red filter for blue water or an easy flip magenta filter for green water.

On land, natural light contains all the colors of the spectrum. Reds rapidly deplete the deeper you go, and as light travels through the water column. A red filter attenuates overabundance of blue spectrum light, keeping available reds, restoring natural colors and improving contrast. Use a red filter for depths at or beyond 10 feet (3 meters). Filter performance is contingent upon available ambient light and visibility.

Red and magenta filters reduce the amount of pass through light reaching your camera lens. When diving in poor visibility or insufficient ambient light, filter effectiveness is reduced. In situations like this, Hugyfot recommends recording video or taking photos using video lights.



Easy flip red filter with flat port cover.



Magenta filter.

## 16. Video lighting system

---

### **Your Hugyfot Vision Hero 5 housing can be upgraded with LED video lights.**

When filters can't get the job done, a video lighting system is the perfect solution, enhancing performance of your Hugyfot Vision Hero 5 housing.

Hugyfot recommends using the Arius 1500 video lighting system (sold separately).

Use video lights when:

- Diving in conditions with low ambient light.
- During night dives.
- Deep dives.
- Macro videography or photography.
- Capturing natural vivid colors.

Hugyfot Arius 1500 video lights are equipped with 4 'true color' LEDs, producing 1,500 lumen at 5,700 Kelvin color temperature, sporting a wide 120° of top shelf quality beam, free of hotspots and powered by a rechargeable Li-Ion battery that provides 1 hour of continuous light at full power.

When paired with the Hugyfot Arius 1500 video lighting system, your Hugyfot Vision Hero 5 housing is a formidable piece of equipment designed to maintain 100% neutral buoyancy. This configuration requires all four weights be installed.



## 17. Maintenance

---

### Hugyfot Arius 1500 lights:

- When using Hugyfot Arius 1500 lights, Hugyfot arms and clamps, consider breaking down and dismounting lights, arms and clamps during the rinse. This will reduce saltwater crystals for appearing along joints, around buttons and levers, reducing chances of damage from corrosion and prevent fusion in place.

### O-rings:

- Inspect, service and lubricate the O-rings of your Hugyfot Vision Hero 5 housing before diving.
- Your Hugyfot Vision Hero 5 housing has two (2) O-rings. Carefully remove them using a thin plastic card, or a plastic O-ring picker. Never use a screw driver, knife, pliers, tweezers or any sharp metal as this will damage your O-rings and permanently deform the grooves of your housing.
- Shore diving in sandy areas or where fine particles are in suspension from currents or surf, increase the chance of unwanted particles, grains of sand or debris from adhering to the O-rings of your Hugyfot Vision Hero 5 housing. We recommend you inspect, service and lubricate your O-rings immediately after opening your housing.
- When cleaning O-rings, find a well-lit place free of dust, hair, sand or debris. Take your time and gently run your fingers along the O-ring. Don't pull or stretch it. Your fingers are the best way to determine the presence of unwanted particles.
- If available, run your O-rings under the faucet. Use room temperature tap water, carefully removing unwanted particles by rubbing one O-ring at a time between your fingers. If needed, feel free to apply a dab of dish soap, thoroughly rinse under the faucet, then let your O-rings air dry.
- Discard and replace any damaged O-ring. Attempting to use a damaged O-ring can compromise a watertight seal.
- Service the grooves of your Hugyfot Vision Hero 5 housing by running a foam makeup applicator or a lint-free cloth. Cotton swabs have fibers; therefore, we do not recommend their use. Remove unwanted particles, grains of sand,

hair, fibers or any debris from the grooves where your O-rings sit.

- Once your O-rings have air dried, proceed to lubricate them with a small amount of Hugyfot silicone grease. Do not over lubricate the O-rings. Ideally, a uniformly applied thin coat or sheen is what you end up with. To accomplish this, place a very small dab of Hugyfot silicone grease between our thumb and index finger, gently running one O-ring at a time, to uniformly coat its surface. Over lubricating is a common mistake, which carries unwanted consequences, attracting hair, unwanted particles and debris that could potentially compromise a watertight seal. Do not over lubricate your O-rings.
  - Once the grooves of your Hugyfot Vision Hero 5 housing are clean and your O-rings are lubricated, proceed to sit them one at a time. Inspect to ensure both O-rings are in place, in their grooves. Confirm that, sand, hair, fibers nor any unwanted particles are present. Proceed to close your housing.
  - When traveling by air, remove both O-rings before your trip, place them in a zip top bag and keep them inside your Hugyfot Vision Hero 5 housing. This will reduce risk of dislodged O-rings from pressure differentials or an unwanted vacuum seal from occurring. Inspect, service and lubricate both O-rings once you reach your destination and before diving it.
  - When storing your Hugyfot Vision Hero 5 housing for a prolonged period of time, follow the suggested travel by air tip above. This will keep your O-rings relaxed, prolonging useful life.
  - Have your Hugyfot Vision Hero 5 housing serviced every 2 years, at a minimum, by an authorized Hugyfot dealer.
- Visit our website at: [www.hugyfot.com](http://www.hugyfot.com) for a list of authorized Hugyfot dealers near you.



*Fits your camera like a glove*



**Hugyfot NV**

Industrielaan 30 - Zuid III - 9320 Erembodegem - Belgium  
[www.hugyfot.com](http://www.hugyfot.com) - [info@hugyfot.com](mailto:info@hugyfot.com)