ULTIMA
DRY GLOVE SYSTEM
MANUAL / GEBRAUCHSANWEISUNG

ENGLISH / DEUTSCH

WATER PROOF®

CONGRATULATIONS!

Thank you for buying the ULTIMA Dry Glove System! We believe you will enjoy many dry and warm dives with troublefree donning and doffing from now on. Follow the instructions in the manual for a safe and long lasting product.

The Waterproof Team

SYSTEM BENEFITS

- Easy to mount on different suits.
- Easy donning and doffing.
- Simple and safe.
- Fits directly in all WATERPROOF suits with ISS system and SI TECH oval ring system.
- Fits all drysuits with standard latex seals.

SYSTEM PARTS

Suit rings

Covers rings

Glove rings

O-rings

Equalization tubes

Tool

Silicone grease

The Ultima Dry Glove System contains of two suit rings, two glove rings, four cover rings, two equalization tubes and six o-rings. Silicone grease and a tool is also included.

USER MANUAL
These instructions cover the Waterproof Dry Glove System ULTIMA for dry diving suits according to EN14225-2.

DESIGNATED USE
This Ultima Dry Glove System is approved for Waterproof drysuits with latex wrists and SI TECH QCS OVAL SYSTEM. In combination with insulating dry glove, the Ultima system will provide your hands with thermal protection in and under water. Ask Waterproof for suitable dry gloves: info@waterproof.eu.

WARNING! ⚠
Before using this system, it is imperative to have received the appropriate dive training and obtained a diving certificate issued by an approved organisation. WATERPROOF does not accept any responsibility in the event of an incident caused due to lack of training, misuse or unsuitable usage.

CAUTION! ⚠
Prolonged exposure to heat or UV rays can cause plastic decomposition.

PRE DIVE CHECK
- Always dive with wrist seals installed.
- Make sure the sealing o-ring is clean and intact before mounting the glove ring.
- Check before every dive everything is mounted correctly and gloves and seals are intact.
- Check the equalization tube is installed to equalize the pressure between suit and glove.
- Make sure you visually check the glove ring is mounted correctly and close to the suit ring on all sides before diving.

CARE AND MAINTENANCE ⚠
Rinse and clean the dry glove system with fresh cold water after each dive. Pay extra attention to the large sealing o-ring inside the glove ring. Never drop your ring system on any hard surfaces, this may cause the parts to break. Be extra careful of the sealing parts on the suit ring and glove ring. If it becomes hard to don and doff, add some Silicone grease to the sealing o-ring.
Replace all o-rings after 30 months or when signs of cracks or damage are visible.
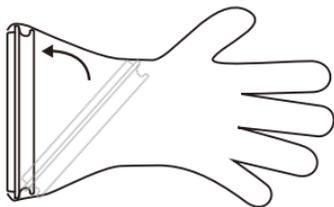For disinfection please email: info@waterproof.eu

OPERATING TEMPERATURE RANGE -2° C to 30° C

STORAGE
Store away from sources of UV radiation (mainly sunlight). Optimal storage conditions: 65% humidity, 21° C, protected from light and without mechanical, chemical and physical influences. Inspect regularly (every six months).

MOUNTING A SILICONE OR LATEX DRY GLOVE TO THE GLOVE RING

1. Put the glove ring in the glove and turn it as shown in the image. Adjust the overlap to achieve the correct length of the glove.

2. Mount the o-ring in the groove.

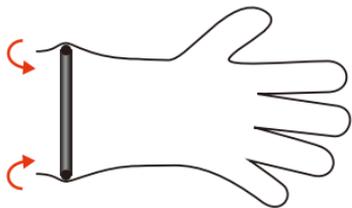**3.** Fold the edge back over the o-ring and pull to adjust the overlap.

Mount the cover ring and adjust it to fit in the groove next to the o-ring.
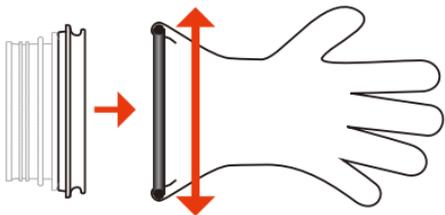
Watch the instruction video on www.waterproof.eu

MOUNTING A PVC/FABRIC TYPE GLOVE TO THE GLOVE RING

1. Place the o-ring inside the glove opening to the desired length of the glove, and fold the edge inwards.
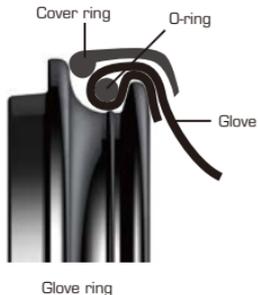
2. Open the glove and o-ring by pulling with both hands firmly and mount it onto the glove ring.

It is easier to mount the glove if the glove ring is mounted on the suit ring. Ask a friend to hold the glove ring during installation.

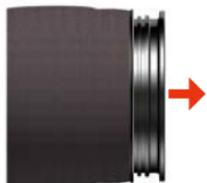**3.** Check the glove is correctly mounted and is the desired length.

4. Mount the cover ring.

Cover ring   O-ring

Glove

Glove ring

MOUNTING ULTIMA IN A WATERPROOF SUIT OR A SUIT WITH SI TECH QCS OVAL SYSTEM.

The Ultima Dry Glove System is designed to fit directly in to the Waterproof ISS system or SI TECH QCS oval system. This means the only thing you need to do is to remove the stiff plastic ring from the suit arm and replace it with the Ultima suit ring. IMPORTANT! Do not remove the softer PU-ring that is glued into the suit. This ring is the 'docking station' for the Ultima suit ring.

Suit arm with mounted PU-ring
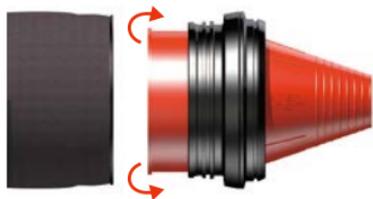
Ultima suit ring

Wrist seal

Glove ring

1. Remove the stiff oval ring from the suit arm. Use the tool if is too hard by hand. Check the seal for damage.

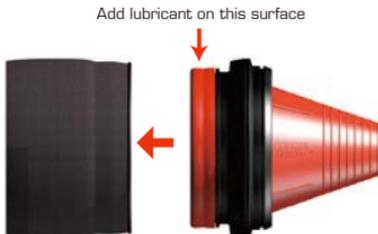

Watch the instruction video on www.waterproof.eu

2. Place the Silicone seal inside the suit ring and fold the lower end of the seal over the suit ring. (It might be a good idea to use a new Silicone seal)

3. The ridge on the seal should be placed in the second groove as standard.
(In some cases it can be placed in the next groove to achieve better sealing)

Add lubricant on this surface

4. Add some waterbased lubricant on the Silicone section that slides into the suit arm. Make sure the Silicone doesn't wrinkle when pushing it into the suit.

5. Twist the seal and pull it back with your hand during the mounting procedure to avoid wrinkles.

6. Push it in straight little by little. Make sure the silicone seal doesn't wrinkle and it stays in the correct groove.

7. Push together with both hands on all sides until you hear a clicking sound and/or see the edge of the suit is close to the suit ring on all sides. Check the Silicone is in place and not wrinkled.

DISMOUNTING THE SUIT RING

IMPORTANT!
Always use the WP designated tool (included in the box), when dismounting the suit ring, otherwise damage of the Ultima suit ring, suit PU-ring or seal will occur. NEVER use metal tools like screw drivers!

1. Open a small gap between the suit ring and the suit by pressing down the back of the suit arm hard.

2. Gently push down the tool between the ridge on the suit ring and the suit.
Note the 'hook' on the tool should point away from the suit! See image.

3. Keep the tool pressed hard to the bottom of the suit ring and bend the tool towards the suit arm until it gets loose. Remember to push down on the back of the suit arm at the same time.

If it is very hard to loosen it, try the tool in the same groove 3-5cm to the side where you push it down.
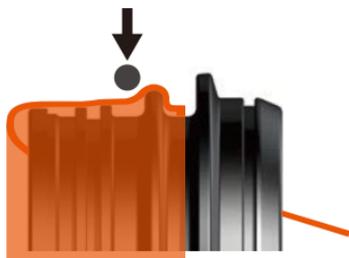

Watch the instruction video on www.waterproof.eu

MOUNTING ULTIMA ON A WP DRYSUIT WITH LATEX SEALS

This is the recommended mounting procedure for a Waterproof drysuit with Latex seals.

Neoprene cuff

Latex seal

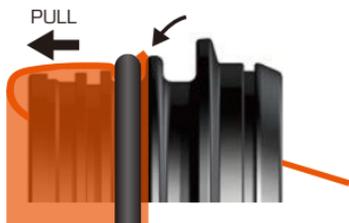o-ring

o-ring

suit ring

glove ring

ULTIMA

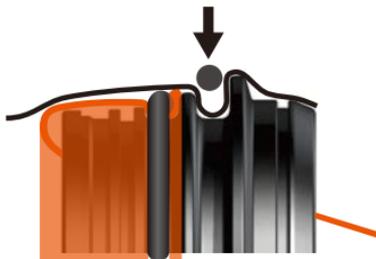**Watch the instruction video on www.waterproof.eu**

1. Mount the Silicone seal to the suit ring. See image. Mount the o-ring in the second groove.

2. Pull the seal back until the ridge is all the way down to the o-ring.
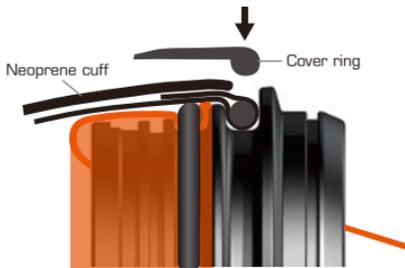

PULL

the ridge

3. Pull the drysuit Latex seal over the Silicone seal and onto the suit ring. Check the seal is centered. Mount the o-ring into the deep groove.

4. Fold back the remaining part of the latex seal as shown in the image.

Neoprene cuff

Cover ring

5. Pull the drysuit Neoprene cuff to cover the seals, leaving a gap of approximately 4mm and mount the cover ring as shown.

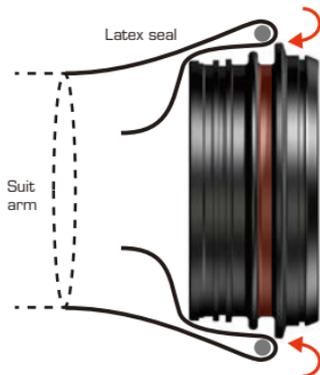**Watch the instruction video on www.waterproof.eu**

MOUNTING ULTIMA ON A SUIT WITH LONGER LATEX SEALS

When your drysuit has fixed latex seals with enough length, you can install the suit ring without adding an extra seal. See image below.

Glove ring

Suit ring

Outer o-ring

Inner o-ring

Suit arm with latex seal

Latex seal

Suit arm

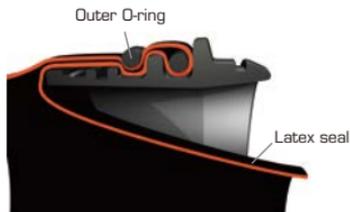**1.** Start by removing the Silicone groove ring from the middle groove.

2. Place the o-ring inside the latex wristseal of the suit and fold the edge inwards.

3. Open the seal and o-ring by pulling with both hands firmly and mount it in the large groove. Ask a friend to hold the suit ring firmly while mounting.

4. Make sure the seal is mounted in the center of the ring. Check the latex seal is long enough to seal the wrist. Adjust if neccessary.

5. Add a second o-ring from the outside behind the first one.

Outer O-ring

Latex seal

6. Pull the seal around the second o-ring to release tensions in the latex.

7. Mount the glove on the suit and test it by pulling hard on the glove a few times.

DONNING AND DOFFING

DONNING
1. Put on the suit and fit the equalization tube between seal and wrist.
2. Put on the dry glove and press the glove ring and suit ring together at one side.
3. Press on the opposite side until you feel and hear a clicking sound when the glove connects properly.
4. Continue pressing the rings together on all sides to be sure you have a perfect connection.
5. Adjust the angle of the glove by turning the glove ring to the preferred position.

DOFFING
1. Press your arm tight to your body.
2. Place the other hands fingers on the ridge of the glove ring and pull firmly.

Watch the instruction video on www.waterproof.eu

WARRANTY

The warranty applies to Ultima Dry Glove Systems where there is a manufacturing fault or a material fault recognized as such by WATERPROOF.

The warranty does not cover damage resulting from improper use.

The warranty does not apply if the equipment sold was not used or maintained according to the conditions detailed in this manual.

The warranty is void if the Ultima Dry Glove System is modified by a person or workshop not authorized by WATERPROOF.

The warranty covers the free repair or replacement of the system part at WATERPROOF´s choice. Packing and transport charges remain the responsibility of the buyer.

The responsibility resulting from the sale of this system is limited to the warranty above. It excludes any penalties or damages and interest.

To take advantage of this warranty the customer must provide a proof of purchase (cash register receipt mentioning the date and the product purchased)

DISPOSAL

If you want to dispose of your dry suit, please take it to your local recycling center or contact your local waste management company.

ACCESSORIES AND SPARE PARTS

Keep in mind accessories and spare parts must be approved by Waterproof. You will find the growing range of accessories at your dealer, in product catalogs or on the Internet at www.waterproof.eu.

WATER PROOF®

www.waterproof.eu