



NAMRON

DRYSUIT MANUAL

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ABOUT



Namron was formed in 1966 to provide a comprehensive range of scuba equipment to the diving public.

Since then our company has been ever evolving to not only accommodate the diving market but other areas. We moved from solely manufacturing Neoprene wetsuits to an extensive range of Neoprene products and then on to a range of drysuits. All of our products are manufactured to the highest specifications using quality materials by our dedicated and experienced team.

We are proud to say that all our manufacturing is still based at our premises in the U.K. We feel this allows us to respond quickly to our customers needs and provide a service that may not be matched if our suits were imported. This also enables us to offer a fully comprehensive post sale service to ensure that the continuing needs of our customers are met.

Our aim is to provide our customers with the highest standard of quality products combined with the best possible service. If you have any questions or specific requirements please contact us by telephone or email and one of our experienced team members will be happy to help.

Namrons' Hereford and Worcester Fire and Rescue Drysuit, has been manufactured to the highest possible standards to cater specifically to your requirements. As a result of our maintained UK base we are able to offer a tailor made/alteration service where needed.

Neoprene Neck Seal

Your Namron Drysuit is fitted with a Neoprene Neck Seal. We will try to accommodate every user by supplying the suit with a neck seal to each user's specific dimensions. Please note that Neoprene neck seals become supple with use. If the seal is too tight it is possible to stretch it slightly by inserting a round object (Bowl, Ball or Bucket) through the seal and leaving it over night.



Latex Wrist Seals

Your Namron Drysuit is fitted with Latex Wrist Seals. The suit will be fitted with seals to the corresponding size. In a small number of cases they may need to be trimmed to fit comfortably, but please be aware that the seals need to be close fitting to fulfill their purpose. In such cases simply use a sharp pair of scissors to cut just above the parallel lines on the inside of the seal. Cut between the lines and try for comfort before cutting between another, if needed.





Inspection

Prior to using your Namron Drysuit it is best to examine it for any damage and wear that may have occurred the last time it was used or while it has been stored. Any signs of damage will have to be checked and if necessary repaired before use, failure to do so could result in the suit flooding.

When examining the suit pay particular attention to the Neck Seal, Wrists Seals and Zip. The Seals need to be clean of debris and in satisfactory condition; any nicks or cuts can result in the seals splitting during use. The zip should be checked for any damage to the teeth. Please ensure that it opens and closes easily, if not use zip wax, lubricant or oil to rectify this.

Overall the suit should be clean and in good working condition before use.

Lubrication of Neck and Wrist Seals

Namron recommends that all seals should be lubricated before use to aid donning/doffing and prolong the life of the seals. Advised lubricants are non perfumed talcum powder, mild soap, washing liquid or shampoo and specially formulated drysuit lubricating oils/sprays. Any product containing silicone or bleach should not be used as it may damage the suit and result in it becoming un-repairable.

Thermal Protection

Please note Trilaminate Drysuits offer no thermal protection.

Namron suggests the use of a Thermal undersuit, suitable to the conditions the user will be operating in. The user should be warm enough to fulfill their duties in comfort, but not too warm to become overheated during exertion.

Donning your Undersuit

Namron can supply a range of one piece undersuits. The following donning advice is specifically for our undersuits, but is similar to most other brands. Where possible it is easiest to sit down while you pull your undersuit up to the waist, stand to push your arms into the sleeves and to pull the suit over your shoulders. Our undersuits have loops at the base of the legs for your feet to go through and prevent the legs riding up when donning the drysuit. The front zip should be closed fully, making sure no material is trapped as this would damage the suit. The undersuit should fit comfortably, not restrict movement and be easy to take on and off.

DONNING YOUR DRY SUIT



Your drysuit is fitted with a front entry zip for ease of donning and doffing unaided. Prior to donning it is important to remove any watches or other jewellery as these may damage the seals.

Stepping into the Suit

Please ensure that the zip is fully open, the upper body of the suit folded down and the braces outside of the suit.

Where possible it is easiest to sit down while you insert your feet (still in the undersuit loops) into the legs and pull the drysuit socks onto your feet. Then stand to pull the suit to your waist, slide the braces over your shoulders and adjust to a comfortable fit.



Wrist Seals

Our undersuits, in common with other undersuits, have thumb loops at the wrist to aid donning. Hook the loop over your thumb and insert your arm into the suit sleeve, the loop prevents the undersuit sleeve from riding up during this action. Keep your fingers together and gently push your hand through the seal, using the other hand to guide your fingers through.

When your hand is completely through the seal adjust so it sits flat against the wrist ensuring no material is trapped. Pull the wrist seal as far up the forearm as is comfortably possible making sure the seal is above the channel created by the wrist tendons.

Repeat the procedure with the other arm.

Neck Seal

Hold the top of the neck seal using both hands. With your fingers inside the seal and your thumbs on the outside, spread the neck seal gently taking care not to puncture it with your finger nails. At the same time turn your head to the side and push it through the seal keeping it open with your fingers to aid with this action.

When your head is completely through the seal, adjust so it sits flat against the neck ensuring all hair and clothing is free from the seal. The neck seal should be pulled down as far as possible to allow for the largest contact area and sit comfortably a few inches above the collar bone. The neck seal should not give the user any discomfort or impede breathing.

Closing the Zip

Your Namron drysuit comes with a front entry zip. This ensures the user can don/doff the suit and zip it up without the aid of another person. Making sure there is no material in the path of the zip, use your right hand to pull the zip shut with a steady even action. The zip should be closed fully against the rubber stop to avoid leaks.



Venting the Drysuit

Now you are completely in your drysuit the last action is to vent any trapped air from inside the suit.

This is done by using both hands to insert your fingers between your neck and the neck seal to gently open the seal, crouch down bringing your chest to your knees and pulling your arms into your body. You will feel the air being expelled through the seal, when this stops release the neck seal and stand up straight.

Repeat the action again if you feel there is any air remaining.

FEATURES



Please find below a list of the primary drysuit features as per your request. Further features can be added before production and some can be added after. Please phone to discuss any further requirements, we would be happy to help.

Neoprene Neck Seal



Latex Cuff Seals



Front Entry Zip



Lightweight Breathable Upper Body Material



Elasticated Waist



Internal Braces



Leg Pocket



Reinforced Seat



Reinforced Knees



Reinforced Socks



Reflective Safety Patches & Logos



As with any equipment, care and maintenance will ensure the optimum life and performance of your Namron Drysuit.

Before doffing your drysuit it is best to rinse the suit and user in fresh, flowing water to ensure all dirt and debris is removed. If the suit has been used in particularly dirty or hazardous conditions it may be best to clean the suit by rubbing it with an antibacterial detergent suited to the task.

Please pay particular attention to cleaning the zip before opening, as any debris may damage it. When you are satisfied the suit and zip have been cleaned sufficiently, use your right hand to pull the zip open with a steady even action and ensure the zip is fully open before getting out. To remove the suit, reverse the donning procedure and take care to partially open the seals with your fingers.

Now rinse the outside of the suit thoroughly with fresh, clean water to remove any remaining dirt, sand or salt. Any stubborn stains can be removed by rubbing the area gently with soapy water. The zip can be cleaned using an old toothbrush with fresh soapy water to very gently scrub any dirt from the zip teeth.

The seals should be cleaned with cold, fresh soapy water to remove any dirt or body oils from them. Please note that any oils, moisturising creams or body oils will damage Latex and Neoprene, care should be taken to remove any remnants before storage.

After the drysuit has been cleaned thoroughly leave it to dry out of direct sunlight, upside down and with the zip open. Please ensure that the suit is completely dry both inside and out before storage or re-use.

When the suit is dry, examine the zip and remove any dirt that may remain. The zip should be lubricated liberally using wax or specific zip oil, then open and closed several times to allow free movement. The zip should be left in the open position for storage. It is advised to dust the seals lightly with a non-perfumed talcum powder before storage and remember **not** to use any silicon products on your drysuit.

Finally inspect your drysuit thoroughly to check for any signs of damage, perished seals, broken zips, rips or holes in the material. Any repairs should be carried out before storage or re-use.

Please ensure the drysuit is thoroughly dry, clean and lubricated before storage. The suit should be stored in a cool dry place away from fluorescent light and devices that produce ozone such as heaters or motors.

Recommended

We recommend that your suit is best stored hung up, upside down by the feet using a strong drysuit hanger and with the zip fully open. The suit should be in a position where it will not be knocked or moved.

Folding and Packing

If your drysuit is to be stored folded or packed for transport please ensure that it is not compressed or crushed by a heavy weight.

The suit should be folded in the correct manner, so it does not become damaged easily.

Your drysuit has a front zip so you should lay it on its front with arms outstretched and the zip fully open. You then roll the suit from the socks up to the neck seal and fold the arms over. The suit should now be in a compact rectangular shape as shown in the picture. This makes it easier to put the suit into a bag and avoids folding the zip sharply. If the drysuit is to be stored folded for a long term we recommend it is placed into a dry, clean, sealed black plastic bag before being put into a larger storage container.



In the unlikely event that you become wet during the use of your suit, please follow the guide below to decide on the correct course of action. Please note that due to user exertion the drysuit may feel damp against the body as a result of perspiration.

Seal Leaks

- 1)-Hair is caught in the seal.
Remove hair from the seal.
- 2)-Undersuit is caught in the seal.
Remove the undersuit from the seal.
- 3)-Folds in the seal.
Adjust the seal to a better position.
- 4)-Needs adjusting to a better position, e.g. channels around the tendon of the wrist.
Adjust the seal to a better position.
- 5)-The seal has been over trimmed.
Fit a new seal.
- 6)-The seal has a hole in it.
Fit a new seal.
- 7)-The seal has deteriorated due to age or use.
Fit a new seal.

Zip Leaks

- 1)-The zip is not fully closed.
Ensure the zip is closed fully during use.
- 2)-Undersuit is trapped in the zip.
Open the zip carefully, remove the material and ensure the zip has not been damaged.
- 3)-The zip has not been lubricated sufficiently.
Open the zip carefully and lubricate thoroughly as per maintenance instructions.
- 4)-Sand, dirt or salt is trapped in the zip.
Open the zip carefully and clean thoroughly as per maintenance instructions.
- 5)-The zip has been damaged.
Fit a new zip.

- 6)-The zip has deteriorated due to age or use.
Fit a new zip.

Suit Leaks

- 1)-Tears, cuts or punctures in the material.
Repair with a drysuit adhesive.
- 2)-Failure of the seams.
Repair with a drysuit adhesive.
- 3)-Delaminating of the material due to age, use or exposure to chemicals.
Return to Namron for evaluation.

Please note that Namron offer a complete drysuit alteration, testing and repair service.



SIZE CHART

STANDARD SIZE CHART FOR NAMRON DRYSUITS

	MENS						LADIES					
	SMALL	MEDIUM	MEDIUM/ LARGE	TALL/ MEDIUM	LARGE	X/LARGE	X-X/ LARGE	SMALL	MEDIUM	MEDIUM/ LARGE	TALL/ MEDIUM	LARGE
2 Neck	30-37	37+	37+	37+	37+	37+	37+	30-37	30-37	30-37	30-37	30-37
3 Underarm	18.5 47	20 50	21 53	24.5 62	22 56	25 63	26.5 67	17 43	18 46	19.5 49	21 53	20 50
5 Wrist	5.5-6.5 14-16	6.5-7.0 16-18	6.5-7.0 16-18	6.5-7.0 16-18	7.0+ 18+	7.0+ 18+	7.0+ 18+	5.5-6.5 14-16	5.5-6.5 14-16	5.5-6.5 14-16	5.5-6.5 14-16	6.5-7.0 16-18
6 Chest / Bust	36 91	38 96	41 104	41 104	44 112	46 117	50 127	32 81	36 91	38 96	37 94	42 106
7 Waist	32 81	34 86	36 91	36 91	40 101	43 109	46 117	25 63	28 71	30 76	30 76	34 86
8 Hip	36 91	38 96	40 101	40 101	43 109	46 117	49 124	33 84	36 91	39 99	39 99	44 112
10 Top of Thigh	22 56	23 58	24 61	24 61	25 63	26 66	28 71	21 53	22 56	23 58	23 58	24 61
13 Inside Leg to Ankle	26.5 67	27.5 70	28.5 72	32.5 82	31 78	33 84	35 89	24 61	26 66	27 68	30 76	27 68
14 Height	66 168	69 175	70 178	74 188	72 183	76 193	78 198	60 152	64 162	66 168	68 173	66 168
15 Shoe Size	7 41	8 42	9 43	10 44	10 44	11 45	12 46	4 38	5 39	5 39	6 40	6 40

SAMPLE OF
BOX:

22	56
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INCHES
CENTIMETRES

ATTENTION - Measurements to be taken over indoor clothing (i.e. Jeans & Tee-Shirt)

CONTACT



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