

BARE[®]

WETSUIT MANUAL



BARE® WETSUIT MANUAL

This manual is provided in accordance with EN 14225-1:2017. REGULATION (EU) 2016/425

The products described in the manual are manufactured according to the specifications set by
Bare® Sports Europe Ltd, a Division of Huish Outdoors, LLC.

BARE® Sports Europe, LTD
B19
Bulebel Industrail Estate
Zejtun ZTN3000, Malta

Huish Outdoors, LLC
1540 North 2200 West
Salt Lake City, Utah
84116, USA

This manual describes materials and construction of BARE® wetsuits as well as the use and care of those wetsuits.

All Wetsuits sold by Huish Outdoors - BARE Sports Europe in the EU meet the following
Personal Protective Equipment Requirements:

**For Velocity Ultra 7mm & 5mm Full, 8/7 Velocity Ultra
Semi-Dry, Nixie/S-Flex 7mm & 5mm Full,
Nixie/S-Flex Hooded Full:**

Directive
89/686/EEC
Reference Standards
EN14225-1:2005

For Nixie Ultra, Revel/Elate 7mm & 5mm Full:

Regulation (EU)
2016/425
Reference Standards
EN14225-1:2017

RINA Services S.p.A
Via Corsica, 12 - 16128 Genova
Italia (N.B. 0474)

For Reactive/Evoke 7mm and 5mm Full:

Regulation (EU)
2016/425
Reference Standards
EN14225-1:2017

VOJENSKÝ TECHNICKÝ ÚSTAV, S.P.,
MLADOBOLSLAVSKÁ 944, KBELY, 197
00 PRAHA 9,
CZ, (N.B. 2452)

Declaration of Conformity - www.huishoutdoors.com/eu-declarations/



INTRODUCTION AND SAFETY

Thank you for choosing BARE®. We strive to provide the best fit, craftsmanship and innovation in dive and watersport exposure protection. These factors are essential to warmth and comfort during your dive or watersport activities.

This manual is designed to answer most of the questions you may have about our wetsuit products. However, should you have follow up questions or need more information please do not hesitate to contact your authorized BARE® dealer, service center or to contact BARE® directly through our website www.baresports.com.

IMPORTANT SAFETY NOTICE FOR DIVERS

BARE® recommends that ALL divers obtain the required training to include learning how to use this product under the direct supervision of a certified diving instructor **BEFORE** using this product underwater. To safely use BARE® wetsuits, divers must use enough weight to maintain neutral buoyancy with an empty SCUBA cylinder. Wearing more weight than this is not necessary and may be dangerous. If the diver is properly weighted, he or she should be able to remain neutrally buoyant at a depth of 3 meters (10 feet) in order to complete a safety stop while wearing a cylinder with 30 bar (500 psi) or less of cylinder pressure.

HYPERBARIC EXPOSURES

Divers should be aware that exposure to hyperbaric pressures will decrease the thermal protection of any wetsuit due to compression of the material. This decrease may be substantial, and divers should be aware of the thermal ratings of the exposure protection selected at the depths the diver plans to dive.

Compression of the wetsuit material during the course of the dive will also result in significant reductions in the suits inherent buoyancy. Divers should never rely upon the wetsuit as a buoyancy device and ALL dives must be completed using a buoyancy compensating device equipped to compensate for the loss of wetsuit buoyancy during the course of the dive.

IMPORTANT SAFETY NOTICE FOR ALL USERS

WARNING - NEVER RELY ON YOUR BARE® WETSUIT AS A BUOYANCY OR FLOTATION SAFETY DEVICE.

WARNING –INSPECT YOUR WETSUIT CAREFULLY BEFORE EACH USE.

It is important to visually inspect your wetsuit for tears or damage, and to ensure the proper operation of each zipper prior to each use of the suit. The suit may only be serviced by an Authorized BARE® Dealer or an Authorized BARE® Service Center. Unauthorized service or suit modification may void your BARE® wetsuit warranty and may render your wetsuit unsafe for use.

BARE® WETSUITS SPECIFICATIONS

BARE® wetsuits are made of neoprene rubber containing “L foam” which is resistant to compression when exposed to increased hyperbaric pressures during the course of the dive. BARE® wetsuits come in a variety of thicknesses ranging from 1mm to 8mm and some accessories like hoods may be up to 9mm thick. All BARE® wetsuits are constructed with various knitted outer shells to provide flexibility and durability and various knitted interior linings which vary by the specific model of the wetsuit as specified below:

Our wetsuit models with **FULL** Omnired internal lining, have an exterior shell of nylon/spandex, and an interior lining of thermally reactive Omnired polyester yarn/polyester.

Our wetsuit models with **PARTIAL** Omnired internal lining, have an exterior shell of nylon/spandex, and a partial interior lining of thermally reactive Omnired yarn/nylon/spandex, and thermally reactive yarn/polyester. The remaining lining is 100% nylon.

Our wetsuit models with **NO** Omnired internal lining, have an exterior shell of nylon/spandex, and an interior lining of nylon.

ZIPPERS

BARE® wetsuits are constructed with a back-entry zipper for our standard wetsuits and either a cross chest front entry zipper or a cross zip back entry zipper for our semi-dry suits. Some models may also include the use of ankle zippers, wrist zippers and a relief zipper at the neckline. All wetsuit models adopt the use of plastic zippers.

Regardless of the position of the zipper it is important to ensure that all zippers are free of dirt, sand and other debris before donning your wetsuit. All zippers should be placed in the open position before donning the wetsuit. When closing the zipper it is important to take care to be sure any under-garments and any protective flaps covering the zipper (under or over flaps) are not obstructing the path of the zipper during the closing process. Catching undergarments or the neoprene flaps in the zipper teeth while opening or closing the zipper may damage the zipper and this damage may not be covered under warranty.

When closing zippers, it is important to pull the zipper slide slowly and in line with the zipper teeth (parallel to the zipper teeth). This is especially critical in back zipper wetsuits - when using the zipper pull on back-zip wetsuits, the user should take care to pull the zipper straight up the back, in line with the zippers positioning. Pulling the zipper to either side while closing, will increase the possibility of snagging the zipper on the wetsuit material and the possibility of misaligning the teeth of the zipper. Either of these situations may cause damage to the zipper. To ensure the most comfortable fit, be sure to pull each zipper until it is fully closed and resting (not forced) against the zipper stop. This will help to minimize water entry into the wetsuit.

ZIPPER MAINTENANCE

After each use, rinse the wetsuit and the zippers with clean fresh water to prevent the buildup of deposits, such as salt, which could obstruct and accelerate the wear of the zipper slide and zipper teeth. Zippers may be lubricated as required for smooth operation with any commercially available product designed for the lubrication of PLASTIC zippers.

WETSUIT SEAMS

BARE® wetsuit seams in suits thicker than 5.0mm are glued and may also be blind stitched to provide extra strength to the seams. All BARE® wetsuits that are thicker than 5.0mm, have seams that provide a water tight seal in order to maximize heat retention and comfort during your dive. All BARE® wetsuits with a thickness less than 5.0mm are designed for use in more tropical or warmer waters and are seamed with a flatlock stitching.

WETSUIT FIT

In order to work effectively a wetsuit must fit closely against the body, however the wetsuit cannot be so tight that it significantly restricts movement or so that it impacts the user's breathing in any way. For best results consult an Authorized BARE® wetsuit dealer for assistance in achieving the proper fit.

When a wetsuit fits you properly it will be skin tight. You should be able to:

- 1) Take a full deep inhalation without resistance or requiring excessive effort to expand the rib cage.
- 2) Join your hands above your head.
- 3) Reach the center of your back just below the neck.
- 4) Touch your toes.
- 5) Squat and kneel without restriction.

MEN'S SIZE CHART

WEIGHT	LBS	135-155	140-165	150-175	150-180	160-185	170-195	175-200	180-205	190-215	195-220	200-225	210-235	215-240	220-245	230-255	240 - 265	250-275	260-285	270-295
	KG	61-70	63-75	68-79	70-82	72-84	77-88	79-91	82-93	86-98	88-100	91-102	95-107	98-109	100-111	104-116	95-106	113-125	118-129	122-134
HEIGHT	FT/IN	5'6"-5'8"	5'5"-5'7"	5'8"-5'10"	5'11"-6'1"	5'6"-5'8"	5'10"-6'1"	6'1"-6'2"	5'7"-5'9"	5'11"-6'1"	6'1"-6'3"	5'8"-5'10"	6'0"-6'2"	6'2"-6'4"	5'8"-5'10"	6'1"-6'3"	5'8"-5'10"	6'2"-6'4"	5'8"-5'10"	6'3"-6'5"
	CM	168-173	165-170	173-178	180-184	168-173	178-183	183-188	170-175	180-185	185-191	173-178	183-188	188-193	173-178	185-191	173-178	188-193	173-178	191-196
CHEST	IN	35-37	37-39	37-39	37-39	39-41	39-41	39-41	41-43	41-43	41-43	43-45	43-45	43-45	45-47	45-47	47-49	47-49	49-51	49-51
	CM	89-94	94-99	94-99	94-99	99-104	99-104	99-104	104-109	104-109	104-109	109-114	109-114	109-114	114-119	114-119	119-124	119-124	124-129	124-129
WAIST	IN	29-31	31-33	31-33	31-33	33-35	33-35	33-35	35-37	35-37	35-37	37-39	37-39	37-39	39-41	39-41	41-43	41-43	43-45	43-45
	CM	74-79	79-84	79-84	79-84	84-89	84-89	84-89	89-94	89-94	89-94	94-99	94-99	94-99	99-104	99-104	104-109	104-109	109-114	109-114
HIP	IN	35-37	37-39	37-39	37-39	39-41	39-41	39-41	41-43	41-43	41-43	43-45	43-45	43-45	45-47	45-47	47-49	47-49	49-51	49-51
	CM	89-94	94-99	94-99	94-99	99-104	99-104	99-104	104-109	104-109	104-109	109-114	109-114	109-114	114-119	114-119	119-124	119-124	124-129	124-129
TORSO	IN	27 3/8	26 7/8	28 3/8	29 5/8	27 5/8	29 3/8	30 5/8	28	30	31 1/4	28 1/8	30 5/8	31 7/8	28 1/2	31 1/4	28 1/2	31 7/8	28 1/2	32 3/8
	CM	70	68	72	75	70	75	78	71	76	79	71	78	81	72	79	72	81	72	82
IN-SEAM	IN	30	29 1/2	31	32	30 1/4	32	33	30 1/2	32 1/2	33 1/2	31	33	34	31 1/4	33 1/2	31 1/4	34	31 1/4	34 1/2
	CM	76	75	79	81	77	81	84	77	83	85	79	84	86	79	85	79 cm	86	79	87
YOUR SIZE		S	MS	M	MT	MLS	ML	MLT	LS	L	LT	XLS	XL	XLT	2XLS	2XL	3XLS	3XL	4XLS	4XL

WOMEN'S SIZE CHART

Suits designed after 2014

HEIGHT	FT/IN	5'2"-5'4"	5'3"-5'5"	5'5"-5'7"	5'4"-5'6"	5'7"-5'9"	5'4"-5'6"	5'5"-5'7"	5'9"-5'11"	5'5"-5'7"	5'6"-5'8"	5'6"-5'8"	5'7"-5'9"	5'7"-5'9"	5'8"-5'10"
CHEST	CM	157-163	160-165	165-170	163-168	168-173	163-168	165-170	175-180	165-170	168-173	168-173	170-175	170-175	173-178
	IN	30-32	32-34	32-34	34-36	34-36	37-39	36-38	36-38	39-41	38-40	41-43	40-42	43-45	42-44
WAIST	CM	76-81	81-86	81-86	86-91	86-91	94-99	91-97	91-97	99-104	97-102	104-109	102-107	109-114	107-112
	IN	23-25	25-27	25-27	27-29	27-29	33-35	29-31	29-31	35-37	31-33	37-39	33-35	39-41	35-37
HIP	CM	58-64	64-69	64-69	69-74	69-74	84-89	74-79	74-79	89-94	79-84	94-99	84-89	99-104	89-94
	IN	33-35	35-37	35-37	37-39	37-39	43-45	39-41	39-41	45-47	41-43	47-49	43-45	49-51	45-47
TORSO	CM	84-89	89-94	89-94	94-99	94-99	109-114	99-104	99-104	114-119	104-109	119-125	109-114	125-130	114-119
	IN	23 3/4	24 1/8	24 7/8	24 1/2	25 3/4	24 1/2	24 7/8	26 5/8	24 7/8	25 1/4	25 1/4	25 5/8	25 5/8	26
INSEAM	CM	60	61	63	62	65	62	63	68	63	64	64	65	65	66
	IN	29 7/8	30 1/2	31 3/4	31 1/8	33	31 1/8	31 3/4	34	31 3/4	32 3/8	32 3/8	33	33	33 5/8
WEIGHT	LBS	110-125	120-135	130-150	125-145	135-155	140-165	140-160	150-170	155-180	150-175	165-190	160-185	175-205	170-195
	KG	52-59	55-61	57-66	57-66	61-70	64-75	64-73	68-77	70-82	68-80	75-86	73-84	80-93	77-89
YOUR SIZE		2	4	4TALL	6	6TALL	6+	8	8TALL	8+	10	10+	12	12+	14

Suits designed prior to 2014

WEIGHT	LBS	90-105	100-115	115-125	115-135	120-135	125-145	135-155	130-145	135-155	145-165	135-155	155-175	145-165	155-175
	KG	41-48	45-52	50-57	52-61	54-61	57-66	61-70	59-66	61-70	66-75	61-70	70-79	66-75	70-79
HEIGHT	FT/IN	5'1"-5'3"	5'2"-5'4"	5'3"-5'5"	5'5"-5'7"	5'4"-5'6"	5'7"-5'9"	5'4"-5'6"	5'5"-5'7"	5'9"-5'11"	5'5"-5'7"	5'6"-5'8"	5'6"-5'8"	5'7"-5'9"	5'8"-5'10"
	CM	155-160	157-163	160-165	165-170	163-168	170-175	163-168	165-170	175-180	165-170	168-173	168-173	170-175	173-178
CHEST	IN	30-32	31-33	32-34	32-34	34-36	34-36	37-39	35-37	35-37	38-40	37-39	40-42	38-40	40-42
	CM	76-81	79-84	81-86	81-86	86-91	86-91	94-99	89-94	89-94	97-102	94-99	102-107	97-102	102-107
WAIST	IN	22-24	24-26	25-27	25-27	27-29	27-29	33-35	28-30	28-30	34-36	30-32	36-38	31-33	33-35
	CM	56-61	61-66	64-69	64-69	69-74	69-74	84-89	71-76	71-76	86-91	76-81	91-96	79-84	84-89
HIP	IN	32-34	34-36	35-37	35-37	37-39	37-39	43-45	38-40	38-40	44-46	40-42	46-48	41-43	43-45
	CM	81-86	86-91	89-94	89-94	94-99	94-99	109-114	97-102	97-102	112-117	102-107	117-122	104-109	109-114
INSEAM	IN	29 1/4	29 7/8	30 1/2	31 3/4	31 1/8	32 7/8	31 1/8	31 3/4	34	31 3/4	32 3/8	32 1/8	33	33 5/8
	CM	74	75	77	81	79	84	79	81	86	81	82	82	84	85
YOUR SIZE		4	6	8	8TALL	10	10TALL	10+	12	12TALL	12+	14	14+	16	18

DONNING YOUR WETSUIT

- Lay the wetsuit out flat and do a visual inspection as described earlier in this manual.
- Proceed only if you deem the wetsuit to be in good condition.
- Remove jewelry and other sharp or jagged objects that may cut the wetsuit material and the seals in the wrist, ankle and neck areas.
- Open all zippers.
- Roll the top of the wetsuit over the outside of the lower wetsuit to the waist or crotch level
- While seated – grasp the leg of the suit and ease your foot into the suit until the foot passes completely through the ankle seal. Grasp around the leg to work the suit up, do not grab folded pieces of material and tug or pull.
- AVOID PINCHING THE WETSUIT as you pull it up.
- Repeat with the other leg.
- Stand and work the crotch of the wetsuit up until it fits against the body.
- Roll the remainder of the wetsuit up the body and place the arms into the wetsuit.

- Extend the arms up over the head and work the wetsuit onto the arms.
- **NOTE: Users with long finger nails should cup the fingers into the palm during this step to avoid cutting or tearing the seal with the fingernails.**
- For back-zip pull the back zipper pull smoothly and gently upward moving it as vertical as possible until it reaches the stop. Take care to ensure any undergarments and the zipper flaps are not caught in the zipper slide or teeth.
- OR - For cross chest zipper and cross back zipper wetsuits – work the head through the neck seal (or attached hood opening), and position the wetsuit so that the zipper lies flat against the body. Then, pull the cross wetsuit zipper slowly and gently across the body until it reaches the stop. Take care to insure any undergarments and the zipper flaps are not caught in the zipper slide or teeth.
- If equipped with wrist and ankle zippers fold the underlying gussets flat and close these zippers taking care not to catch the gusset material in the zipper teeth or slider.

USING YOUR WETSUIT

Like all exposure protection BARE® wetsuits must be used with reasonable limits. BARE® wetsuits should not be used for diving unless the user has completed SCUBA certification training under the supervision of a properly certified and industry recognized SCUBA Diving Instructor.

DO NOT:

- Exceed the maximum depth for which you are qualified and certified.
- Use the wetsuit in contaminated or polluted environments, nor in toxic or hydrocarbon-rich waters.
- Use the wetsuit as a buoyancy or safety flotation device.
- Use the wetsuit with any weight system that is not equipped with a quick-release system.

RISK FACTORS

Like all diving activities the use of a BARE® wetsuits carries certain inherent risk.

HYPERTHERMIA and HYPOTHERMIA

Wearing a neoprene wetsuit on the surface in warm weather can create a hazardous situation. The wetsuit disrupts the body's ability to cool itself and can therefore allow the body to overheat in even moderate temperatures. Care must be taken to keep cool and well hydrated pre and post activity. Failure to follow these instructions can lead to hyperthermia which can cause significant injury or death.

BARE® wetsuits provide excellent thermal protection however no wetsuit can actually keep your body warm. The purpose of a wetsuit is to slow the body's loss of heat and to therefore allow extended periods of comfortable and safe exposures to the underwater world. Users must be aware of their thermal stress levels and take care to exit the water before they become chilled. Failure to follow these instructions can lead to excessive cooling of the body's core temperature, hypothermia, which can cause significant injury or even death.

The temperature ranges in which wetsuits are recommended is determined by thermal ranges established in EU regulations shown below. The thermal ratings for specific models and thicknesses of BARE® wetsuits are shown on the last page of this manual.

WET SUIT THERMAL PROTECTION CLASS

The Thermal Protection Class of the particular wetsuit is stated in the interior labels of your wetsuit.

Thermal performance class of wetsuit material	Water temperature ranges (°C)
A	7°C/45°F to 12°C/54°F
B	10°C/50°F to 18°C/64.5°F
C	16°C/60.8°F to 24°C/75.2°F
D	>22°C/72°F

ALLERGIES

A small percentage of the population is known to experience allergic reactions to neoprene, polyester, nylon or latex. Make sure you do not suffer from allergies to these materials before purchasing or using any wetsuit containing them.

POST-USE CARE AND MAINTENANCE

- Inspect your wetsuit after every use to insure it has not been damaged.
- Damaged wetsuits should be returned to a BARE® authorized dealer for immediate service.
- Never use Aquaseal/Aquasure to repair your wetsuit. Doing so will void the warranty.
- Rinse your wetsuit in flowing fresh water to remove salt and other deposits after each use.
- Hang the wetsuit away from direct sunlight in a position that allows water to drip from the wetsuit and allow it to completely air dry inside and out before storing.
- The wetsuit should be periodically washed with mild detergent either by hand or on the delicate cycle in washing machine.
- Store your dry wetsuit in a cool, dry place, preferably hanging from a wide shoulder hanger that will not stress and damage the shoulders of your wetsuit.
- When your wetsuit reaches the end of its useful life, it must be disposed of in accordance with local regulations.
- For transporting the suit, although no special packaging is required, ensure the suit is stored away from any items which may damage the neoprene.

THERMAL RATINGS

Thermal performance classes of materials based on their immersed thermal resistance at 1 bar and 6 bar.

Thermal performance class	Immersed thermal resistance at surface m ² · K · W ⁻¹	Immersed thermal resistance at 6 bar m ² · K · W ⁻¹
A	≥ 0,15	≥ 0,03
B	0,10 – 0,149	≥ 0,02
C	0,07 – 0,099	≥ 0,01
D	0,05 – 0,069	≥ 0,01

ICONS AND MARKINGS GLOSSARY

 Washing Process	 NORMAL WASH AT 30°	 MILD WASH AT 30°	 VERY MILD WASH AT 30°	 DO NOT WASH  HAND WASH ONLY
 Bleaching Process	 ANY BLEACHING ALLOWED	 ONLY NON-CHLORINE BLEACH ALLOWED	 DO NOT BLEACH	
 Drying Process	 TUMBLE DRYING AT NORMAL (80°C) TEMPERATURE ALLOWED	 TUMBLE DRYING AT LOW (60°C) TEMPERATURE ALLOWED	 DO NOT TUMBLE DRY	 LINE DRY  DRIP LINE DRY  FLAT DRY  DRIP FLAT DRY
 Ironing Process	 IRON AT 200°C MAX	 IRON AT 150°C MAX	 IRON AT 110°C MAX	 DO NOT IRON
 Professional Cleaning Process	 DRY CLEAN, TETRACHLOROETHYLENE AND ALL SOLVENTS LISTED FOR SYMBOL P	 DRY CLEAN, HYDROCARBON SOLVENT ONLY NORMAL PROCESS	 DO NOT DRY CLEAN	

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