

Orca Freedive

EN

Zen



Whitepaper

orca

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Zen

The Orca Zen wetsuit combines the most efficient design with the most technical materials to minimize water resistance, making this the most hydrodynamic suit on the market. The fitted design and the use of high elasticity materials allow the wetsuit to fit to the body like a second skin, maximizing performance.

Zen

WOMEN ↓

MN81
XS, S, M, L, XL

● Black: 01

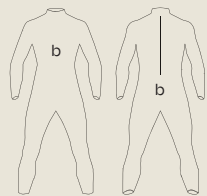


Hydrodynamics
●●●●●●●●

Flexibility
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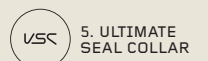
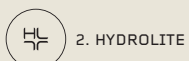
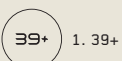
Thermal insulation
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Panels



b. 2 mm

Inside



Zen

MEN ↓

MN41

4, 5, 6, 7, MT, 8, 9, 10, 11

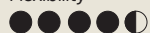
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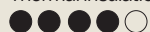
Hydrodynamics



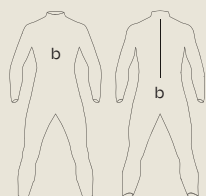
Flexibility



Thermal insulation

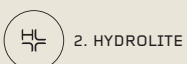
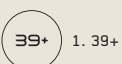


Panels



b. 2mm

Inside

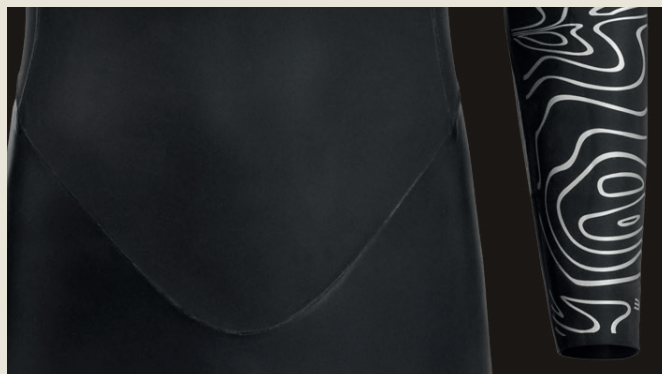


Highlights



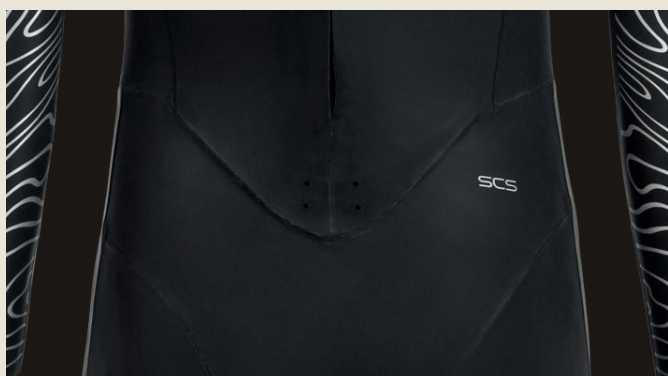
PERFECT FIT

The Zen wetsuit is designed to feel like a second skin. Its elastic properties improve its fit so that you can get the most out of your dives, ensuring minimal water entry and preventing water pockets from forming.



HYDRODYNAMICS

The application of the most advanced surface coatings, which minimize your body's water resistance, improves your hydrodynamics. This allows you to perform better, score higher on your dives, and enjoy your freediving adventures.



ZERO RESTRICTION

The Zen's pattern and selection of materials give it a high level of elasticity, allowing it to adjust perfectly to your body and its movements during descent. The inverted zipper and optimized seams in the lower back also provide you with total freedom of movement in your hips and legs.

Recommended uses

Triathlon	Openwater	Freedive	Swimrun	Surf	Stand Up Paddle	Kayak	Snorkel
●○○○	●○○○	●●●●	●○○○	●○○○	●○○○	●○○○	●●●○

- Designed for it.
- Not designed for this purpose but can be used without problems.
- Not designed for it but with loss of performance.
- It is not advisable to use it, it may affect the durability of the neoprene, the use is not covered by the warranty and physical problems may occur.

Technology



Yamamoto

Orca wetsuits are made from 100% Japanese Yamamoto neoprene. The performance of this neoprene, which is produced from limestone, is unmatched. Its elastic properties are superior to that of any other type of neoprene, feeling it fluid and endlessly elastic while surfing. Its low weight and density improve thermal insulation, resulting in a light and comfortable suit.



39+

Thanks to its elasticity and hydrodynamic properties, Yamamoto 39+ technology improves performance and reduces water resistance by 60% in comparison to conventional neoprene so that you can descend and ascend more quickly.



Hydrolite

Hydrolite technology helps you to put on and take off the wetsuit more readily and comfortably.



YKK 8

The YKK Reverse zipper's reduced size and reversed direction make the design less constricting in the lower back, increasing the diver's flexibility.



Batwing

The Batwing construction blocks the flow of water inside the suit, and the thermal properties of its inner lining help maintain body temperature on longer dives.



Made to last

This product's unique design is based on the best available materials in the market.

Orca works closely with Yamamoto Corporation to develop new materials for their wetsuits. Orca is also the only brand that is certified to make all our suits using exclusive Yamamoto material, ensuring the highest quality in all products.

Currently, the most sustainable raw material for obtaining neoprene is limestone, compared to other much more polluting processes in which lower quality neoprene is obtained from oil. The process of obtaining neoprene from limestone was developed in the 60s by the Yamamoto company and it has been perfected over time to arrive at the current process, where the best quality neoprene is obtained.

Not only do the characteristics of this neoprene contribute to its better performance, but they also ensure its maximum durability.

Other very important materials in our products that may go unnoticed are the materials used for packaging. To minimize the impact of these, our entire range of wetsuits and accessories uses recycled cardboard packaging instead of single-use plastic for some years now.



Care to last

Wetsuit Cleaning:

Neoprene can be damaged by excess salt or other disinfectants such as chlorine if used in swimming pools. It is important to wash the wetsuit with plenty of water. A small amount of neutral pH soap can be used and then rinsed out. Once clean, make sure it dries so that it doesn't retain moisture, outside or in a ventilated indoor space without direct exposure to sunlight as this can damage the materials.

Storage:

Storing the wetsuit properly keeps the materials and seams from being folded and stressed over long periods of time. It also prevents the appearance of wrinkles on the material which can affect both the wetsuit's durability and its aesthetics. The best way to store the neoprene is to hang it from its middle, so that the most sensitive areas such as the shoulders and arms do not have any kind of tension on them. For this model you can use a hanger if you can't hang it in half, as long as it is wide enough for the wetsuit not to be stretched in the shoulder and neck area.

To ensure the maximum durability of your wetsuit, it is recommended to pay special attention to three aspects of care; cleaning, storage and transport.

Travel:

Although traveling time takes up such a small amount of a wetsuit's useful life, it is important to keep in mind that each time it is worn, it has to be transported. Poor transportation, even if it is for short periods of time, can shorten the life of your wetsuit.

Compressing or wrinkling the wetsuit during transport is not recommended, especially in the seam areas. It is also advisable to rinse it off with fresh water before transporting it after it has been used. Be careful that the wetsuit is not stored in high temperatures (such as in a hot car), as this can speed up its degradation.

The elasticity of the top of this wetsuit allows the sizing in this area to adapt well to different bodies. However, the bottom sizing must be adjusted due to the thickness of the panels. So, if the size guide suggests going up a size, plan on weight affecting the sizing more over chest and height measurements.

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