

*Beyond any limit!*

***CATALOG***

***2022***

**MADE IN ITALY**  
*Produced in Siren Land*



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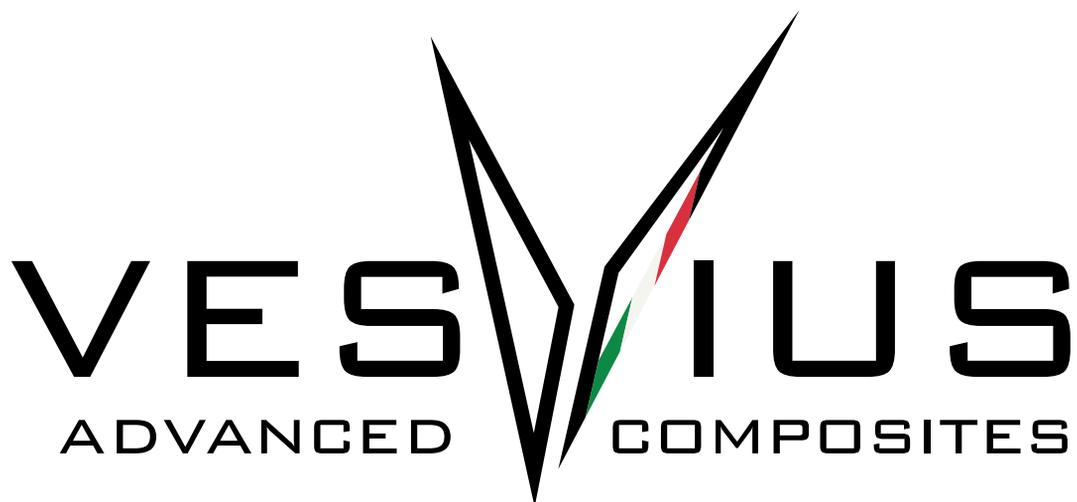
## PROUDLY ENGINEERED IN ITALY

Vesvius was created to support professionals and amateurs in the management of effort and breath, through the development and production of fins made of advanced composite materials. The company combines passion, engineering, technology and comfort to ensure a unique experience, always ensuring the utmost reliability and always respecting nature. The small production facility, located in the wonderful Sorrento peninsula, allows our engineers and operators to be in constant contact with athletes and sea lovers, to transform the needs of the athlete into a high-tech product.

## THE CHOICE OF PROFESSIONALS

Vesvius blades are chosen by many professionals and sea lovers for quality, technology and innovation. The blades mainly arise from the search of the best carbon fibers and the continuous development of technologies, ensuring reliable equipment with unique performance. Every single blade is checked and tested to guarantee full satisfaction and safety.





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**MAGMA**

**2022**

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# MAGMA

**MAGMA** blades are dedicated to those who want to **push hard their limits**.

They are entirely made of high-performance carbon fibers to guarantee **high resistance and responsiveness**, providing an immediate reactivity.

The exclusive formulation of high toughness epoxy resin guarantees very high performance in all types of environments and conditions.

All VESVIUS blades are totally **designed and made in Italy**, developed by VESVIUS engineers team in close collaboration with freediving professionals.

Engineered using FEM structural and computational fluid dynamics analysis (CFD).

MAGMA are an authentic **Italian excellence**, made of a mix of innovation, high-quality materials, Formula 1 and aerospace know-how.

These blades are **unmatched in energy consumption and push effect**.



## RESPONSIVENESS

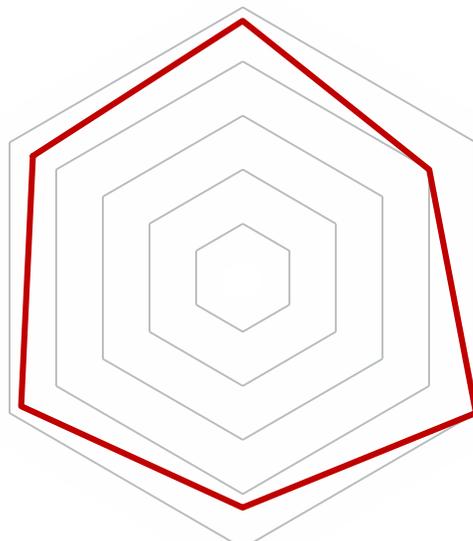
BLADE LENGHT

PUSH

DEEP APNEA

ENERGY SAVING

SPEARFISHING

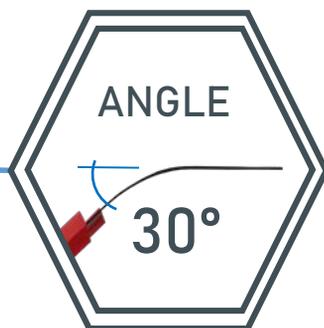




Developed, engineered and produced entirely in Italy, through a **unique proprietary production process**, with Formula 1 materials



**V-SHAPE** is the new VESVIUS water rail that **maximizes water flow** without any deformation or interference with the dynamics of the blade



The large bending radius and the **30° angle** make the entire length of the blade to be exploited in order to generate a **harmonious and powerful thrust**



Double-progressive structure, developed by FEM analysis, entirely in **high-strength carbon fiber** and IM module (**unique in freediving world**)

	APNEA (INDOOR & OUTDOOR)	SPEARFISHING (UP TO 20m/66ft)	DEEP FISHING
<b>&lt; 65 Kg</b> (up to 143 lbs)	<b>US</b>	<b>US</b>	<b>US / S</b>
<b>65-90 Kg</b> (145-200 lbs)	<b>US / S</b>	<b>S</b>	<b>S</b>
<b>&gt; 90 Kg</b> (>200 lbs)	<b>S / M</b>	<b>S / M</b>	<b>S / M</b>

**US = ULTRA SOFT    S = SOFT    M = MEDIUM**

Hardness may vary depending on training, ballast, and sea conditions.





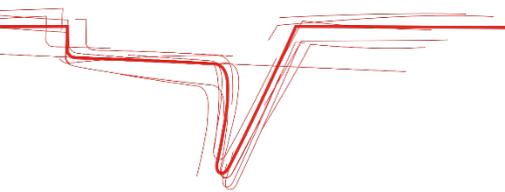
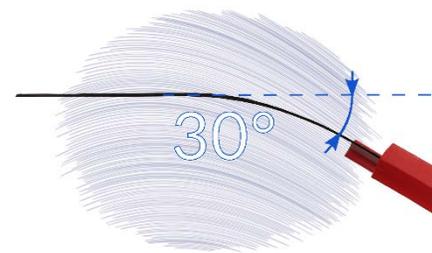
100% Italian made, designed and engineered by our aerospace engineers, specialized in composite materials, ensuring maximum quality and performance.

The unique and proprietary technology, together with the machines used in the production process, have been developed over years of experience and researches, providing the highest standards of quality and technology.

VESVIUS also employs Italian ISO-certified suppliers.

With their 30° lean angle and a wide radius of curvature, our blades allow to accumulate and release your energy in a self-control mode. These features optimize finning during ascent/go-down and at surface.

The early-start blade deflection ensures energy preservation, giving a more comfortable and light finning with the impact of damping vibrations lowered.



VESVIUS V-SHAPE WATER RAILS have a hydrodynamic profile. Together with the rough-surface back side blade, our water rails guarantee a proper and powerful water channeling, avoiding side-scrolling and roll effects, without modifying the structure stiffness. The polymer ensures not only an excellent flexibility and blade-adhesion but it is also a recyclable, sustainable and environmental friendly product, compared to the common NBR rubbers.

VESVIUS HTS-IM high-strength and intermediate modulus carbon fibers, significantly increases responsiveness, providing decisive and powerful thrusts

Our HTS-IM carbon fibers, pre-impregnated with proprietary tetra-functional epoxy resins, represent the excellence of fibers used in the apnea world, coming from ISO-certified Italian suppliers.



The ZERO-VOIDS technology has been developed and engineered by VESVIUS. The high pressure-high temperature process provides a full extraction of porosity and defects, ensuring the highest structural properties.

Our technology and materials come from Formula 1 and aerospace field, unique in the apnea sector.

ZERO-VOIDS Vesvius technology overturns every rule, breaking limits and conventions.

# MAGMA

# 2022

## CUSTOMIZATION

MAGMA blades have been developed and tested using mainly the new Mares X-WING foot pocket



The blades can be purchased without shoes or in combination with:



**mares**  
X-WING



**MNGFINS**



**PATHOS**

## GRAPHICS AND WATER RAILS



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**BLACK**

*WHITE*

**RED**

**YELLOW**

**BLUE**

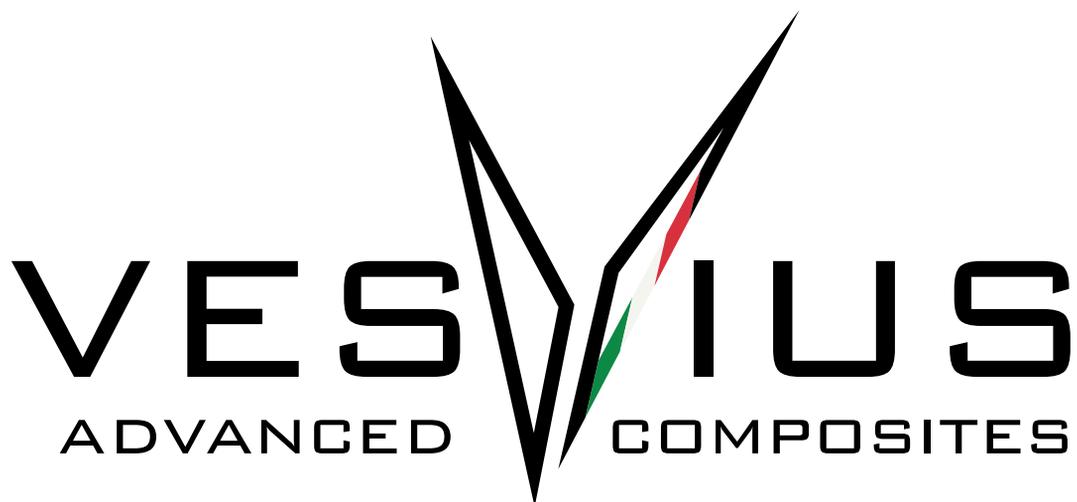
**YELLOW FLUO**



Attention!  
Once you have tried Vesvius fins, it will be difficult to go back to the old ones.

**VESVIUS**  
ADVANCED COMPOSITES





*Beyond any limit!*

**'ARENA**

**2022**

**MADE IN ITALY**  
*Produced in Siren Land*

# 'ARENA

2022

'ARENA blades are dedicated to those who turn spearfishing into their lifestyle.

With their **30° lean angle** and reduced size, they optimize energy consumption, allowing stealthy movement during spearfishing for all kinds of seabeds.

They are **laminated** by using high-strength carbon fibers preregs, **HR-T700G**.

The exclusive formulation of high-toughness tetra-functional epoxy resin, gives the product **extraordinary strength, resistance and versatility**.

The blades are fitted with **VESVIUS V-SHAPE WATER RAILS** to optimally stabilize the blades and direct the flow, saving energy by reducing turbulent flows.



## RESPONSIVENESS

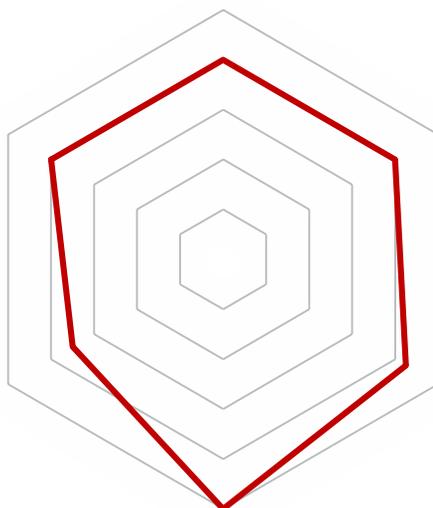
BLADE LENGTH

PUSH

DEEP APNEA

ENERGY SAVING

SPEARFISHING



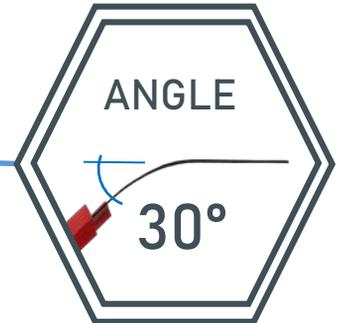
**VESVIUS**  
ADVANCED COMPOSITES



Developed, engineered and produced entirely in Italy, through a **unique proprietary production process**, with Formula 1 materials



**V-SHAPE** is the new VESVIUS water rail that **maximizes water flow** without any deformation or interference with the dynamics of the blade



The large bending radius and the **30° angle** make the entire length of the blade to be exploited in order to generate a **harmonious and powerful thrust**



**VESVIUS HR-T700G** fibers make 'ARENA blades a product with high mechanical properties. Pre-impregnated with high performance tetrafunctional epoxy resin

	APNEA (INDOOR & OUTDOOR)	PESCA (FINO A 20m)	PESCA (PROFONDA)
<65 Kg	US	US/S	US / S
65-90 Kg	S	S	S
>90 Kg	S / M	S / M	S / M

**US = ULTRA SOFT    S = SOFT    M = MEDIUM**

Hardness may vary depending on training, ballast, and sea conditions.



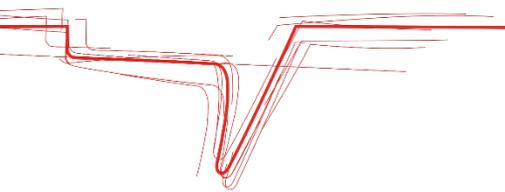
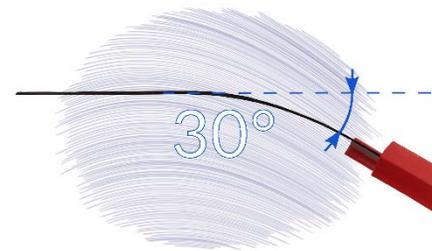
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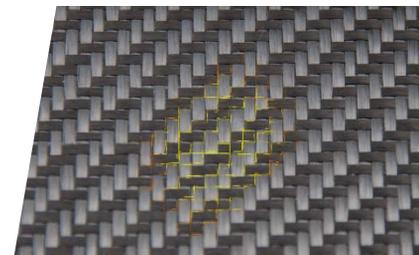
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The high-strength VESVIUS HR T700G fibers make 'ARENA blades a product with high mechanical properties. The T700G, evolution of the more common and less performing T700, make the 'ARENA blades highly-performing, resilient and suitable for any use.

The VESVIUS HR-T700G carbon fibers, pre-impregnated with proprietary tetra-functional epoxy resins, come from an Italian and ISO-certified manufacturing chain.



The ZERO-VOIDS technology has been developed and engineered by VESVIUS. The high pressure-high temperature process provides a full extraction of porosity and defects, ensuring the highest structural properties.

Our technology and materials come from Formula 1 and aerospace field, unique in the apnea sector.

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UW PHOTOGRAPHER



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# 'ARENA *CUSTOMIZATION*

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**BLACK**

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**YELLOW FLUO**



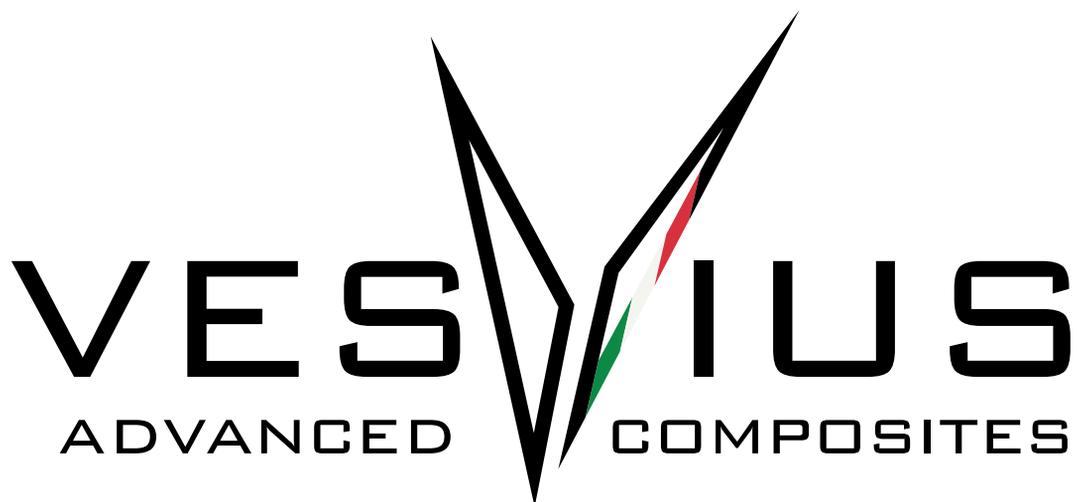
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ADVANCED COMPOSITES



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UW PHOTOGRAPHER

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*Beyond any limit!*

***SHOULDER***easy

**2022**

**MADE IN ITALY**  
*Produced in Siren Land*



**MADE IN ITALY**  
*Produced in Siren Land*

# TRACOLLA *easy*

The **SHOULDER BAG easy**, with a simple and elegant design, is the perfect choice for those who want a functional and easily washable product. **100% produced in Italy** and from Italian raw materials.

Its **120x35cm** dimensions allow you to store the longest types of fins. The 95 cm length and 3 cm width strap, guarantee a comfortable and **easy portability** of the bag. The convenient front pocket allows you to fold the bag on itself, converting into a small pocket bag.



Italian fabric, made of high-quality polyester. Extremely resistant to atmospheric and temperature variations

Design production and material 100% Italian



The front pocket allows the folding of the shoulder strap on itself, converting it into a convenient and small pocket bag



# VESVIUS

ADVANCED COMPOSITES



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