



Beyond any limit!

MAGMA

2022

MADE IN ITALY
Produced in Siren Land

VESVIUS
ADVANCED COMPOSITES

2022



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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

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.

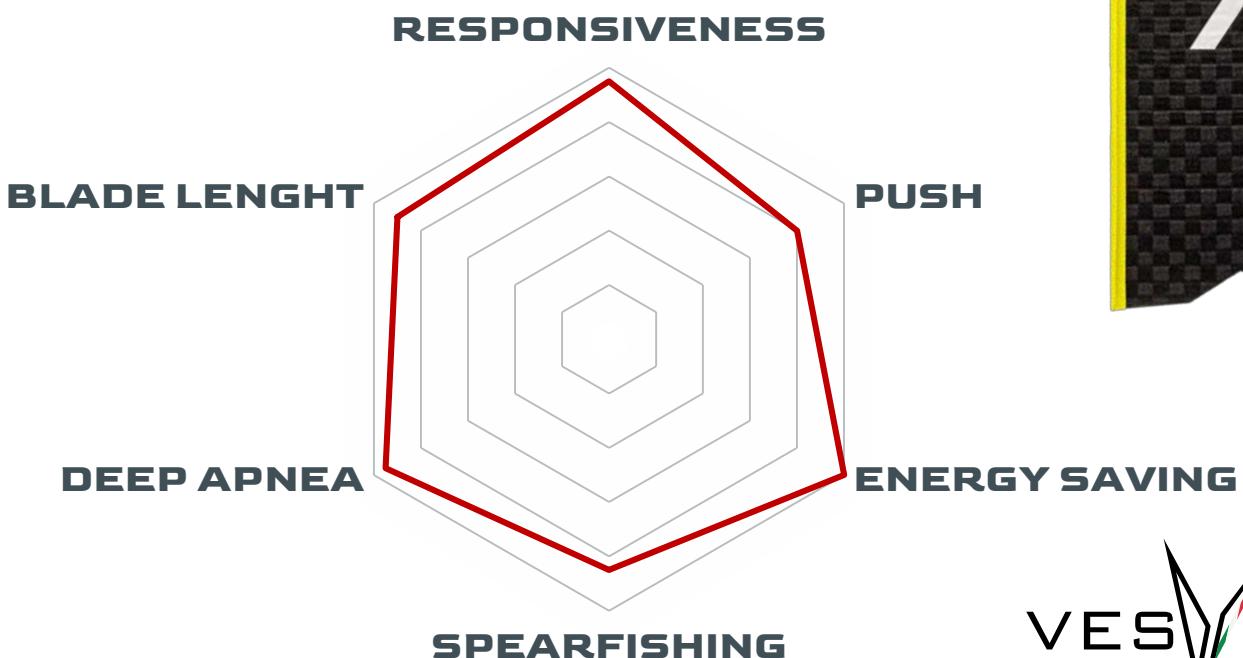
The exclusive formulation of high toughness epoxy resin guarantees very high performance in all types of environments and conditions.

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**.



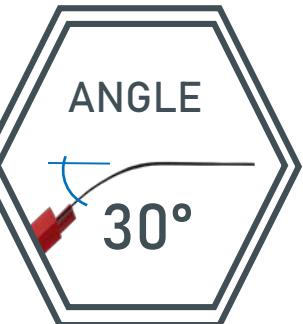


2022

MAGMA TECH



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



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**



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



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
< 65 Kg (up to 143 lbs)	US	US	US / S
65-90 Kg (145-200 lbs)	US / S	S	S
> 90 Kg<br (>200="" b="" lbs)<=""/>	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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MAGMA TECH



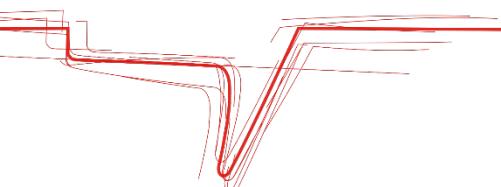
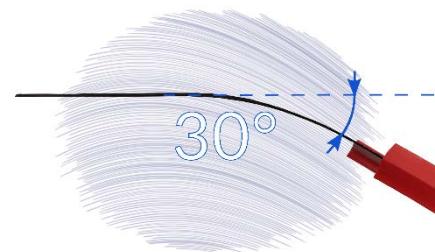
100% Italian made, designed and engineered by our aerospace engineers, specialized in composite materials, ensuring maximum quality and performance.

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.



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MAGMA *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



W
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R
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D
L
A
V
A



O
C
E
A
B
N
L
U
E

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.

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