SUEX

# NEW VR SERIES



# INDEX

1. IT'S SUEX.
2. TARGET
3. DESIGN & MATERIALS
4. NAUTILUS CONCEPT TECHNOLOGY
5. WEIGHT & DIMENSIONS
6. SPEED REGULATOR & MOTOR MAPPING
7. RANGE
8. MODELS & BATTERY MODULARITY
9. COLOR CUSTOMIZATION
10. EXTERNAL CHARGING
11. CALYPSO APP
12. CARRYING HANDLE WITH PICATINNY MOUNT
13. ACCESSORIES
14. Q&A



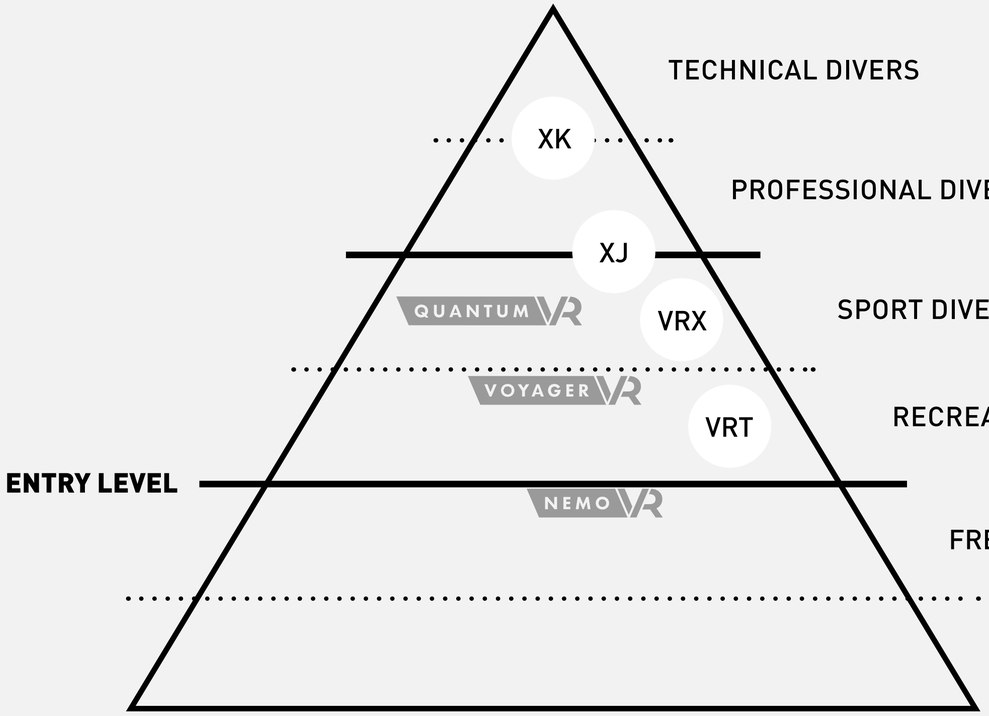
# IT'S SUEX.

SUEX, renowned worldwide for designing underwater propulsion vehicles (DPVs) since the 1990s, has introduced the **NEW VR SERIES**, a line representing technological evolution in the field.

Born from the work of SUEX's research and development team, the models of the NEW VR SERIES stand out for their modern and captivating design, enriched with advanced solutions that significantly enhance **performance**, **stability**, and **quietness**.



# TARGET

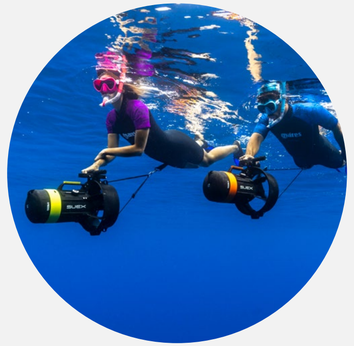





PROFESSIONAL DIVERS
TECHNICAL DIVERS



REC DIVER
DIVING CENTER



FREEDIVING
SNORKELING



AMATEURS
SPORT ENTHUSIASTS

# DESIGN & MATERIALS

A distinctive feature of the NEW VR SERIES is the research into materials: each DPV is crafted from a combination of **reinforced polymers** and high-quality **metal alloys**, chosen to withstand extreme conditions like pressure and corrosion without adding unnecessary weight.
Additionally, its compact and robust structure ensures excellent performance.



# 4.

# NAUTILUS CONCEPT TECHNOLOGY

The NEW VR SERIES inherits the **NAUTILUS CONCEPT TECHNOLOGY** from SUEX's premium lines, developed to ensure a perfect balance between **stability** and **maneuverability** during all types of dives. This technology excels in managing energy consumption and enhancing battery efficiency.

NAUTILUS
CONCEPT



# 5.

# WEIGHT & DIMENSIONS

One of the key features of these new DPVs is the reduction in size and weight, making it the **lightest and most compact ever produced by SUEX**.
It offers maximum mobility and ease of transport without compromising on power and functionality.



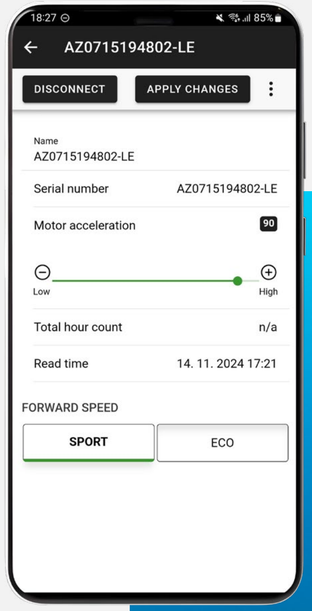
6.

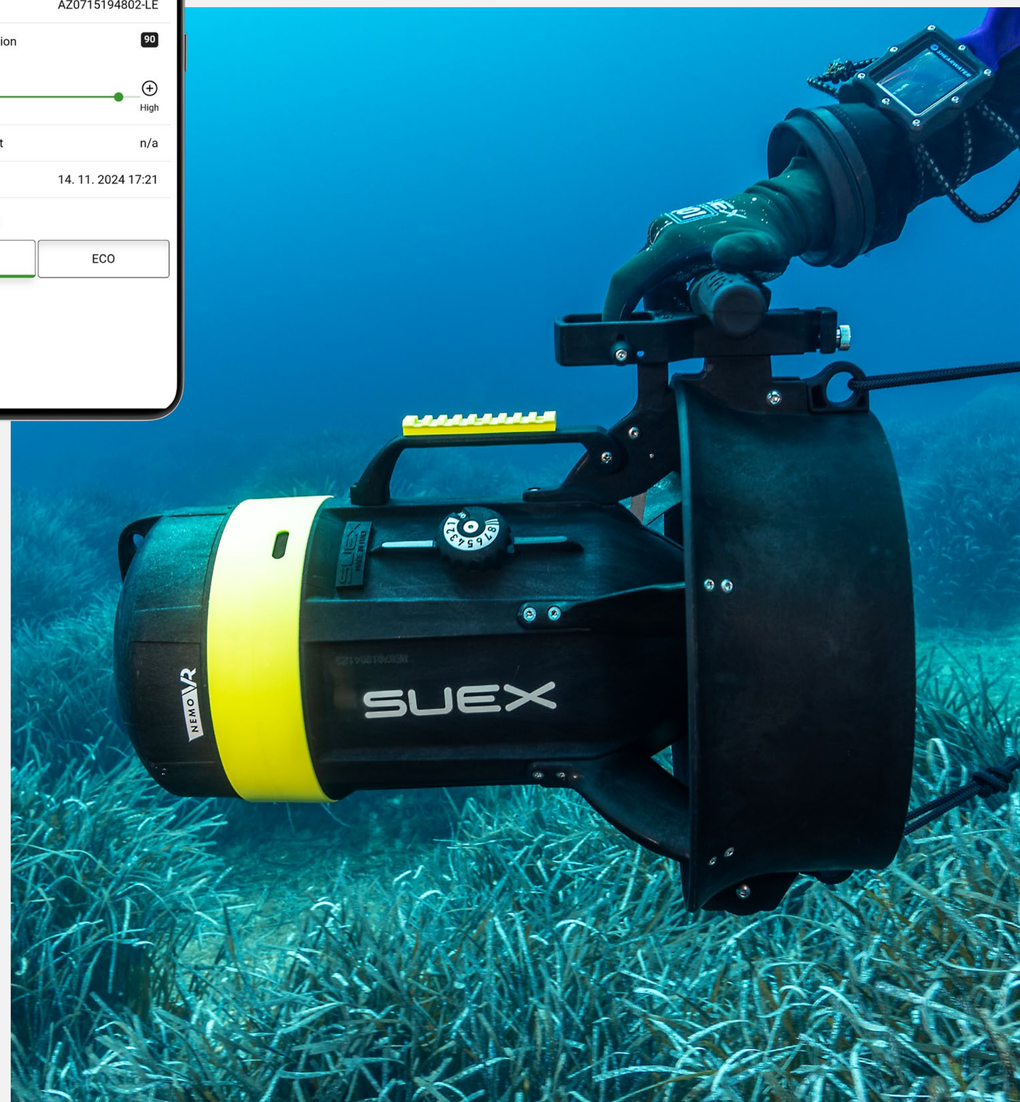
# SPEED REGULATOR & MOTOR MAPPING

The NEW VR SERIES further enhances the underwater experience with ergonomic improvements that give divers complete and personalized control over navigation.

In addition to the **8-level speed regulator**, which also works as the power **on/off switch**, divers can choose between **2 motor mappings**: **SPORT** mode at 100% power for maximum performance and **ECO** mode at 70% power to extend battery life and reduce energy consumption.

With **cruise control** integrated into the handle trigger, divers can maintain their desired speed, ensuring smooth navigation and full control for a consistently enjoyable and manageable dive.



# RANGE



NEW VR SERIES*

| SPEED | RANGE – MINUTES | |
|---|---|---|
| | SPORT | ECO |
| 8 | 90 | 140 |
| 7 | 100 | 160 |
| 6 | 125 | 210 |
| 5 | 155 | 250 |
| 4** | 220 | 430 |
| 3 | 415 | 555 |
| 2 | 610 | 800 |
| 1 | 800 | 920 |



VR EVO – VR

| SPEED | RANGE MINUTES | MODE |
|---|---|---|
| 8 | | |
| 7 | 100 | FAST |
| 6 | | |
| 5 | | |
| 4** | 150 | CRUISE |
| 3 | | |
| 2 | | |
| 1 | | |

Thanks to **Nautilus Concept technology**, these two tables highlight the advanced performance of the **NEW VR SERIES** compared to the **VR EVO**.

The table for the NEW VR SERIES demonstrates how this new series achieves significantly higher range levels, while the VR EVO table shows that it offered only two range and speed modes, labeled as FAST and CRUISE.

**The data refer to the QUANTUM model*

***Cruising speed 45 m/min*

# MODELS & BATTERY MODULARITY

The NEW VR SERIES by SUEX introduces innovative modularity, allowing users to tailor the DPV to their specific needs with three different model configurations: **NEMO**, **QUANTUM**, and **VOYAGER**.

This flexibility enables customization of the DPV based on the required activity, providing a highly versatile and high-performing solution.



# 8. MODELS & BATTERY MODULARITY



## NEMO VR




The entry-level model, ideal for the **recreational diver** exploring DPVs for the first time. It's also designed for activities such as **freediving**, **snorkeling**, and **Diving Centers**.

## QUANTUM VR




The top-of-the-line DPV designed for **advanced recreational divers**, **technical divers**, and **professionals** who require maximum power and endurance.

## VOYAGER VR




Designed for those seeking a DPV that is easily transportable anywhere in the world. This model is ideal for **travelers**, including **air travel**, as its battery pack complies with UN38.3 regulations provided by IATA (International Air Transport Association) and can be carried on board as cabin hand luggage in its dedicated case.

# 8. MODELS & BATTERY MODULARITY

A standout feature of the NEW VR SERIES by SUEX is its customizability.

The modularity of the NEW VR SERIES allows for the **interchangeable nose**, which houses the **battery**, making it possible to upgrade or customize the DPV as user needs evolve.

This flexibility ensures that the DPV can be adapted for a wide range of dives, from recreational to technical, with a single body frame, while consistently maintaining excellent performance in any configuration.






# COLOR CUSTOMIZATION

Users can also independently switch the color of the ring and Picatinny mount from the standard black version, choosing from a range of six colors—**gray, red, fuchsia, orange, green,** and **blue**.

This new customization option gives the DPV a unique and distinctive look.



# EXTERNAL CHARGING

All models in the NEW VR SERIES come with external charging, a practical solution complemented by an integrated **LED light** on the body, providing immediate information on the DPV's charge status.

When the DPV is in operation, the LED lights up **green**, and it turns **red** to indicate low battery.







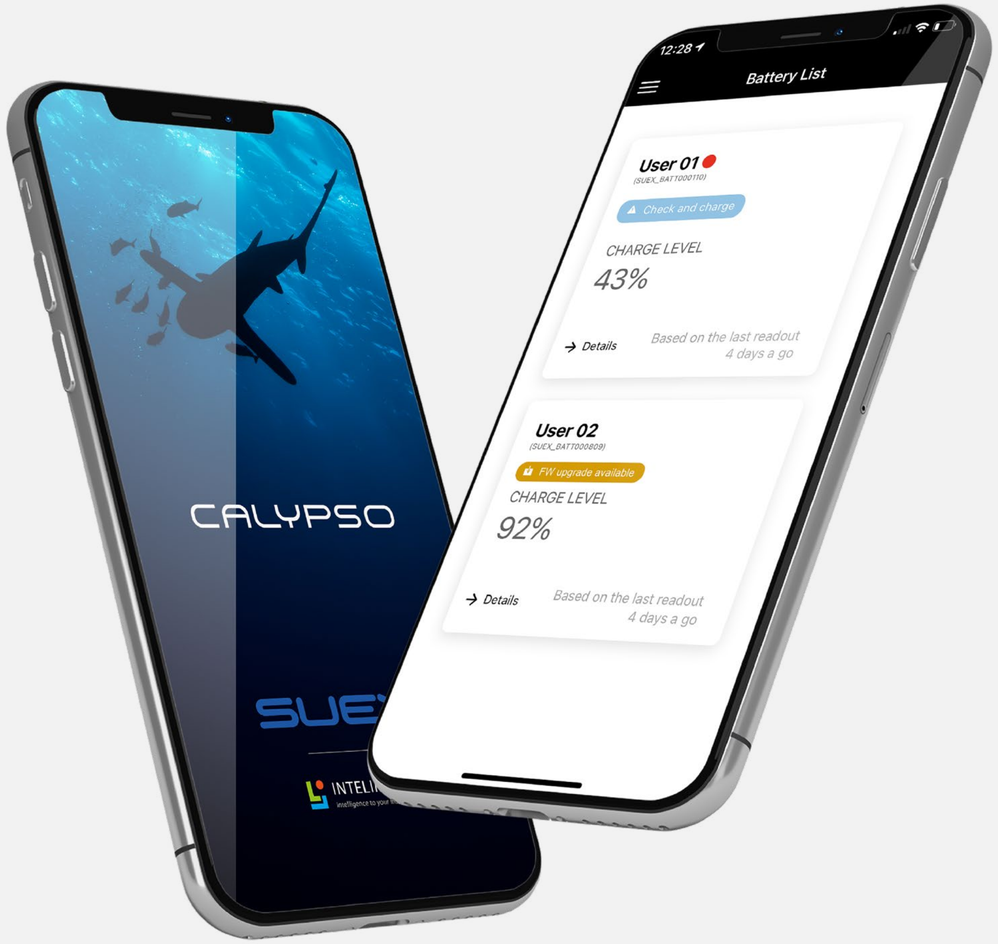


# 11.

# CALYPSO APP

As with SUEX's premium models, the NEW VR SERIES integrates wireless communication with the Calypso app, allowing users to monitor **real-time battery status**, **cell health**, and **adjust the DPV's motor acceleration ramp** directly from their smartphone.

This wireless integration with Calypso once again demonstrates how SUEX is a pioneer in the industry, offering advanced technological solutions that not only optimize DPV performance but also enhance the user experience.



# CARRYING HANDLE WITH PICATINNY MOUNT

The models in the NEW VR SERIES feature an ergonomic design that enhances user experience with the addition of a **carrying handle**, making the DPV easy to handle and transport.

Designed to ensure a comfortable and secure grip, the handle also includes a **Picatinny mount**, allowing for practical attachment of additional accessories.






# 13.

# ACCESSORIES

For added convenience, a **carrying strap** is available, designed to better distribute the weight and make it easier to transport the DPV out of the water.
This accessory is ideal for frequent travelers or those needing to carry it over long distances.

With these ergonomic solutions, the NEW VR SERIES is extremely easy to transport, whether by hand or with the strap, offering exceptional mobility without compromising the DPV's durability and ease of use.



# 13.

# ACCESSORIES

The new VR SERIES also offers a range of accessories designed to enhance the user experience and facilitate DPV transport.

Among these is a specially designed **travel case** for air transport, included with the VOYAGER model and available as an accessory for all models in the range. This case is ideal for divers and athletes who frequently travel.

The travel case meets **standard checked baggage size** and weight requirements and is crafted from durable, lightweight, and water-resistant materials, providing optimal protection for the DPV throughout transport, shielding it from impacts and stress.



# ACCESSORIES

| | NEMO VR | QUANTUM VR | VOYAGER VR |
|---|---|---|---|
| CUSTOMIZATION KIT<br>1 COLOR* RING + PICATINNY | Optional | Optional | Optional |
| CUSTOMIZATION KIT<br>6 COLORS* RING + PICATINNY | Optional | Optional | Optional |
| CARRYING STRAP | **Included** | **Included** | **Included** |
| TRAVEL CASE | Optional | Optional | **Included** |
| VOYAGER BATTERY CASE | - | - | **Included** |
| SINGLE ADDITIONAL BATTERY FOR VOYAGER MODEL | - | - | Optional |
| DIVELIFT | Optional | Optional | Optional |

**Standard Color: BLACK*

# 14.Q&A



## SUEX AND ITS PORTFOLIO

### WHAT IS SUEX TODAY?

SUEX is a company located near Venice, Italy, founded in the early 2000s. Today, it has become a world leader in the design and production of Diver Propulsion Vehicles (DPVs). The technological development characteristic of the finest Made in Italy products, combined with the long-standing tradition and great passion for diving shared by much of the SUEX staff, has enabled the development of a portfolio of highly reliable DPVs. These are designed to meet the diverse needs of users at various levels, from recreational to professional.

### WHAT IS THE PHILOSOPHY THAT UNITES THE DESIGN AND PRODUCTION OF ALL SUEX DPVS?

The know-how and experience built over the 20 years of its history allow SUEX to design and produce all of its DPVs with extremely high reliability in terms of resistance and durability over time. The materials, electronics, battery management system, and assembly methods used ensure long-term resistance to the extreme conditions of the environments where these devices are utilized.

### WHAT DIFFERENTIATES SUEX'S DPVS FROM THOSE OF OTHER MANUFACTURERS?

In addition to robustness, performance, and long-term reliability, SUEX's DPVs are designed to provide the user with reliability, maneuverability, and balance in the water. SUEX's extensive experience in the diving field and that of its staff allows for the design of DPVs with significant and long-lasting performance over time, adapting them to the diverse needs and missions of divers at various levels, from recreational to the most professional.

### HOW HAVE THE DIFFERENT TYPES OF DPVS IN SUEX'S CURRENT PORTFOLIO EVOLVED?

The extensive experience of SUEX's staff in the diving field and 20 years spent in close contact with industry professionals and diving schools across four continents have led SUEX to design different types of DPVs with great attention to the diverse needs of all possible user levels, from recreational/tourist divers to highly professional users.

### HOW DO THE DIFFERENT TYPES OF SUEX DPVS DIFFER?

To meet the diverse needs of different levels of divers, the DPVs in Suex's portfolio differ in terms of range, thrust, speed, operating depth, navigation system, and weight. These parameters are carefully selected to ensure that each type of DPV offers balanced performance suitable for the situations and uses of users at different levels.

# 14.Q&A



SUEX NEW VR SERIES

## WHAT DISTINGUISHES THE NEW VR SERIES BY SUEX FROM OTHER DPVS?

The NEW VR SERIES represents a technological evolution, combining modern design with advanced performance, improved stability, and unprecedented quietness. With a reduced weight of only 11.7 kg, it is the lightest and most compact DPV ever made by SUEX, ideal for those seeking maximum mobility without compromising power.

## WHO IS THE NEW VR SERIES INTENDED FOR?

The new VR Series by SUEX is designed to meet a wide range of divers, from beginners to experts. It offers three distinct models:

**NEMO:** Ideal for those approaching the world of DPVs for the first time, thanks to its ease of use and maneuverability.

**QUANTUM:** Intended for technical and professional divers who require maximum power and autonomy.

**VOYAGER:** Designed for those who travel frequently, featuring a battery pack compliant with IATA's UN38.3 regulations, allowing it to be carried as hand luggage in the cabin.
This modularity enables users to tailor the DPV to their specific needs, making the VR Series a versatile and high-performance solution for different types of dives.

## WHAT MATERIALS ARE USED FOR THE NEW VR SERIES?

The NEW VR SERIES is constructed with a combination of reinforced polymers and high-quality metal alloys, selected to withstand extreme conditions like pressure and corrosion without adding extra weight to the DPV.

## HOW DOES THE MODULARITY OF THE NEW VR SERIES WORK?

The modularity of the NEW VR SERIES allows for the interchange of components like the nose and the battery, enabling users to adapt the DPV to their specific diving needs. This offers versatility for both recreational and technical dives.

## IS IT POSSIBLE TO CUSTOMIZE THE COLOR OF THE DPVS IN THE NEW VR SERIES?

Yes, users can customize two components of the DPV: the body ring and the Picatinny mount, choosing from seven colors—black, gray, red, fuchsia, orange, green, and light blue.

## HOW DOES THE BATTERY CHARGING WORK IN THE NEW VR SERIES?

Charging has been simplified thanks to an external charging system, eliminating the need to open the nose for routine operations. An LED integrated into the body provides information on the battery status, lighting up green when in operation and red when the battery is running low.

# 14.Q&A



## WHAT ARE THE ERGONOMIC INNOVATIONS OF THE NEW VR SERIES?

The NEW VR SERIES introduces an ergonomic design, featuring a carrying handle and an optional shoulder strap to make transport easier. Additionally, the control handle is adjustable and equipped with cruise control, allowing for smooth navigation without tiring the user.

## WHAT IS THE CALYPSO WIRELESS COMMUNICATION SYSTEM?

The NEW VR SERIES integrates wireless communication with the Calypso app, allowing users to monitor and adjust the DPV's parameters in real time. You can adjust the acceleration ramp and motor mapping for a customized diving experience.

## WHY DOES THE NEW VR SERIES REPRESENT A REVOLUTION IN THE WORLD OF DPVS?

The NEW VR SERIES combines extraordinary innovations such as modularity, color customization, external charging, and wireless control, offering divers a unique user experience. This range not only redefines diving but also inspires users to explore new depths with exceptional performance and unparalleled ease of use.

## WHY BUY A SUEX DPV FROM THE NEW VR SERIES

## WHY IS THE VR NEMO AN EXCELLENT CHOICE FOR SOMEONE LOOKING TO PURCHASE THEIR FIRST DPV?

The VR NEMO is an excellent choice for those purchasing their first DPV because it combines ease of use with reliable performance in an accessible entry-level model. It is designed to offer maneuverability and stability, making it ideal for beginners who wish to approach the world of DPVs without compromising on quality. Additionally, its lightweight and compact structure makes it easy to transport and handle, making the diving experience safer and more enjoyable for newcomers.

## WHY IS THE VR QUANTUM AN EXCELLENT CHOICE FOR SOMEONE LOOKING TO PURCHASE THEIR FIRST DPV?

The VR QUANTUM is an excellent choice for those who wish to purchase their first DPV, especially if they already have diving experience and are looking for a high-performance model. It offers advanced power and autonomy, ideal for technical and long dives, but it is also designed to be intuitive, with precise controls and optimal stability. This model combines robustness and maneuverability, allowing the user to undertake challenging dives without sacrificing ease of use and reliability, making it a lasting investment for those who want a high-end DPV from their very first purchase.

# 14.Q&A



## WHAT DOES THE NEW VR VOYAGER OFFER TO THOSE WHO ALREADY OWN A DPV TODAY?

The new VR VOYAGER offers significant advantages to those who already own a DPV, especially for divers who travel frequently. Thanks to its battery pack compliant with IATA's UN38.3 regulations, it can be carried as hand luggage in the cabin, facilitating air travel without the logistical complications often associated with traditional DPVs. Furthermore, its compact and lightweight structure simplifies transportation. These features make it an ideal choice for those seeking a versatile and easily transportable DPV, without compromising operational efficiency.

## WHY ARE THE NEW VR NEMO AND VR QUANTUM THE IDEAL CHOICE FOR A DIVING CENTER THAT RENTS DPVS?

The VR NEMO and the VR QUANTUM are perfect for diving centers that rent DPVs thanks to their adaptability and reliability. The VR NEMO is ideal for beginners, with a simple and manageable design that makes recreational diving accessible even to new users. The VR QUANTUM, on the other hand, is designed for technical and professional divers, offering maximum power and autonomy for more challenging dives. Both models are robust and require minimal maintenance, ensuring a durable and versatile solution that can satisfy a wide range of customers in a diving center.



In conclusion, the **NEW VR SERIES** by SUEX is not just a technological revolution but represents an evolutionary leap in the practicality, customization, and versatility of underwater scooters.



# NEW VR SERIES



SUEX

suex.it

Via Roma 261/35 - 31020 Villorba (TV), Italy
Ph: +39 0422444849