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# IT'S TIME FOR A REVOLUTION



# ZEVOMAX US

SUPERIOR CLIMATE CONTROL  
FOR PROFESSIONAL INDOOR GROW ENVIRONMENTS

ZEVOMAX

THE FUTURE OF COOLING  
JUST GOT COOLER.

# STEADY-STATE CLIMATE SIMULTANEOUS COOLING, HEATING, DEHUMIDIFICATION & AIRFLOW – SEAMLESSLY CONTROLLED. THAT'S COOL!



**TEMPERATURE & HUMIDITY IN ONE**  
One System, One Control

**UNMATCHED CLIMATE STABILITY**  
No temperature or humidity swings

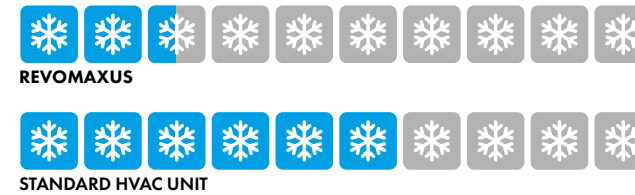
**SCALABLE & ADAPTABLE**  
Fits any grow environment, small to large scale

The RevomaxUS is the all-in-one solution for a perfectly regulated indoor climate. With simultaneous, precise control over temperature and humidity, it eliminates fluctuations and ensures a perfectly balanced environment. Its scalable and flexible design fits any grow setup, from small to large. As a true revolution in climate control, the Revomax sets a new standard for efficiency, reliability, and optimal growth.

# REVOMAXUS

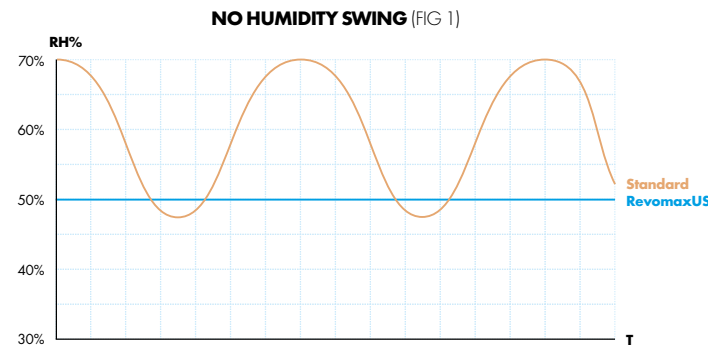
A stable and precisely regulated climate is essential for successful indoor cultivation. The RevomaxUS, equipped with our advanced Infinity DC inverter technology, offers the widest capacity range among all climate control systems. Unlike conventional HVAC units that cannot operate below 60%, the RevomaxUS modulates cooling capacity down to 20-30%, preventing unnecessary on-off cycles. This ensures minimal temperature and humidity fluctuations, optimized energy efficiency, and a consistently ideal growing environment, 365 days a year.

#### MINIMUM COOLING CAPACITY (%) - LOWER IS BETTER



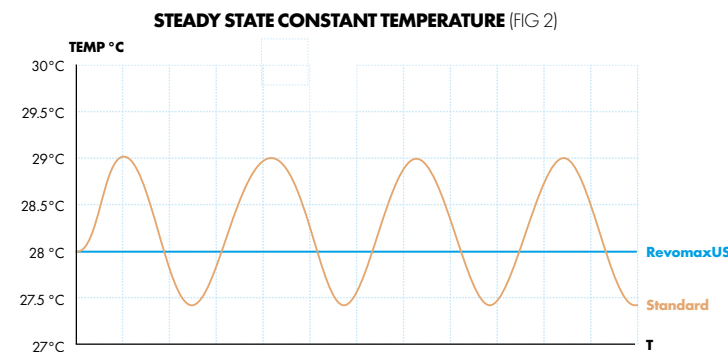
#### LINEAR DEHUMIDIFICATION TECHNOLOGY

A standard HVAC unit cannot regulate humidity, resulting in large humidity fluctuations. With the RevomaxUS, deviations are limited to a minimum\*, ensuring constant humidity and eliminating swings. (fig 1)

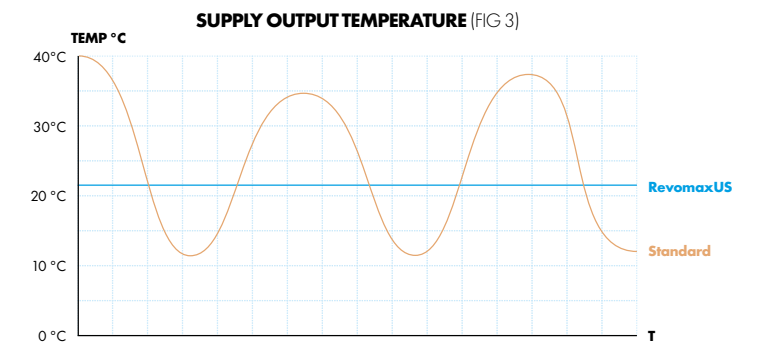


#### ADVANCED STEADY-STATE TEMPERATURE & HUMIDITY CONTROL

The temperature remains stable with no fluctuations, consistently staying within  $\pm 33.44^\circ\text{F}$  of the setpoint (Fig 2).



In standard setups where temperature and humidity are managed separately—often with a dedicated HVAC unit along with a separate dehumidifier—output temperature can fluctuate between  $50^\circ\text{F}$  and  $104^\circ\text{F}$ , depending on indoor conditions. The RevomaxUS eliminates these swings by maintaining a stable output temperature with minimal swings of the setpoint, ensuring a controlled environment. This is crucial for many plant species, such as leafy greens and herbs, where temperature fluctuations can cause stress. With this advanced stability, the RevomaxUS supports a wider range of applications and crops, optimizing growth conditions year-round. (Fig 3)



The ultra-precise, simultaneous control of temperature and humidity is made possible by our patented double EEV technology—exclusive to RevomaxUS. This sets a new standard in climate stability and flexibility, ensuring unmatched controllability for any growing environment.

#### OPTIMIZED FOR LED GROWING – FASTER WARM-UP, MAXIMUM PHOTOSYNTHESIS

The RevomaxUS is specifically designed for LED growing environments. When LEDs are switched on, the room temperature rises gradually, which can slow down optimal photosynthesis. RevomaxUS solves this by using its DC compressor in heating mode, rapidly bringing the room to the ideal temperature without external electrical heaters. This ensures plants reach peak photosynthesis as quickly as possible. Meanwhile, the dehumidification process remains active, keeping humidity perfectly controlled during heating.

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## DEHUMIDIFICATION CAPACITY (24HRS)

MODEL	6000	10000	15000S REV2	21000	30000
RevomaxUS Capacity / L	114 L	141 L	222 L	310 L	425 L
RevomaxUS Capacity / pt	242 pt	299 pt	470 pt	656 pt	898 pt
Temp	27 °C / 81 °F				
Relative Humidity	60 %				



### FULL CONTROL & MONITORING

The 7-inch Smart Remote Controller comes standard and can be operated via WiFi, LAN & Anydesk. Easily adjust settings, monitor performance and receive notifications for errors or alarms.

#### WHY USE A REVOMAX SMART REMOTE CONTROLLER:

- Smart (easy) start (enter day and night temperature and humidity settings and all parameters will be set automatically)
- WiFi
- LAN
- Secured remote access
- Wall and table positioning
- Data logging
- Advanced day and night programming
- 7" IPS panel, Touchscreen.

# REVOMAXUS

#### 35% MORE DEHUMIDIFICATION CAPACITY WITH LOWER ENERGY CONSUMPTION

The **HyperDry Economizer™** builds on the efficient dehumidification capabilities of the RevomaxII and refines this process with an advanced heat exchanger. This and other improvements result in **35% more dehumidification capacity** compared to the RevomaxII. Growers can choose to utilize this extra capacity or operate the system at the maximum capacity of the RevomaxII, achieving **33% higher energy efficiency** while maintaining optimal performance.

The built-in **SubCool Optimiser™** actively regulates the refrigerant to ensure the cooling system always operates at peak efficiency. This smart control enhances performance and stability, regardless of external temperature fluctuations or changing cultivation conditions.

#### ENHANCED AIR QUALITY & SUPERIOR HUMIDITY CONTROL

Humidity is present in every environment and can negatively impact both productivity and plant health. Excess moisture can lead to mold, rot, rust, musty odors, dust mites, and allergies, making humidity control essential for an optimal indoor climate. The RevomaxUS ensures precise humidity regulation, even under extreme conditions.

Unlike other water-cooled HVAC systems, which dehumidify only during cooling cycles, the RevomaxUS continues to dehumidify even after the target temperature is reached. This unique capability prevents excessive atmospheric humidity, ensuring a stable, controlled growing environment where plants can thrive.

#### PROVEN, OFF-THE-SHELF SOLUTION – EASY INSTALLATION & MINIMAL RISK

The RevomaxUS is a standard, off-the-shelf solution, making it easy to install for any experienced HVAC installer without the need for extensive engineering or high upfront design costs, unlike large-scale custom-built systems. Its proven track record in numerous indoor farms ensures reliability and minimizes risk. With a tailor-made solution, there's always uncertainty about its effectiveness in a real-world setting, as it's the first time it's being implemented. The RevomaxUS eliminates that uncertainty, providing a trusted, field-tested climate solution from day one.

#### MOST SAFE SYSTEM

The RevomaxUS system has all kinds of built-in functions that ensures its superior climate control.



The **built-in temperature protection** disconnects heat sources when the set maximum temperature is exceeded. E.g. when the water supply is obstructed. A fire could occur without this device.



If the water sensor comes into contact with the water, the **built-in water leak safeguard** ensures the water supply is cut off. This may occur, in the event of a burst pipe, broken link or connection, or a blocked sewer.

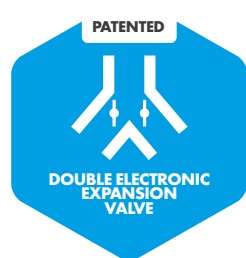
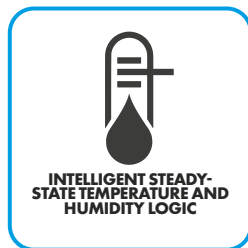


The **RevomaxUS is fireproof**; all of the electrical components including the heating and connections are contained in the steel housing.



The RevomaxUS has an **alarm outlet for sending an e-mail in the event of an error message**. The RevomaxUS has a built in remote control feature made possible by WIFI or LAN.

# WHY CHOOSE REVOMAXUS?

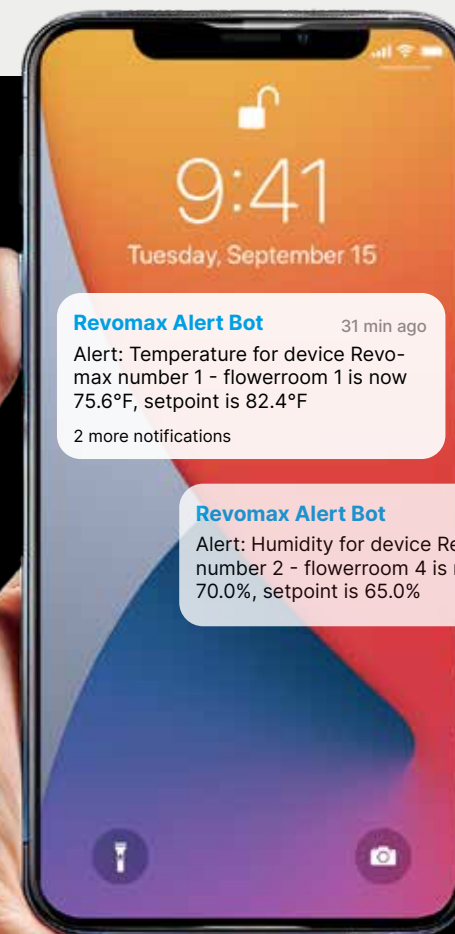


- Digital inverter technology, widest capacity range 30-100%
- Intelligent steady state temperature and humidity logic
- Optimised for LED horticulture growing The perfect climate control all year round
- Cooling, heating, dehumidifying, circulating and filtering in one device
- Photocell; the photocell automatically activates the cooling mode in the morning and the heating/dehumidifying mode at night
- Simply enter the day and night temperature and RevomaxUS will do the rest; it doesn't get easier
- The quietest system available
- Relatively low energy consumption
- Dehumidifying possible day and night
- Adjustable cooling input
- Ceramic heating + heat pump mode heating
- Built-in temperature and water leakage safety switch optional
- Clear and detailed remote control
- Could be remote controlled by WIFI or LAN
- Fire-safe!
- Pre-heat function
- Slow cool-down function
- Alarm log function
- Invisibly concealed
- Deep cooling possible, temperatures below 50°F

## 1 UNIT 2 COOLING OPTIONS

The RevomaxUS is a fully water-cooled climate control system, ensuring efficient, stable, and energy-saving operation without the limitations of air-cooled alternatives. It offers two configurations: a closed-loop system, which recirculates water for maximum efficiency and minimal waste, and an open-loop system, which uses a continuous water source for cooling.

For an optimized setup, the Revomax can be seamlessly combined with a perfectly matched RevomaxUS water cooler, ensuring maximum performance and reliability.



## UNIQUE FEATURE IN CLIMATE CONTROL: REAL-TIME PUSH ALERTS

With the RevomaxUS, you stay in full control—anytime, anywhere. Instant push notifications alert you the moment temperature or humidity moves outside your setpoints.

No more manual checks or unexpected issues. Get real-time alerts on your phone and react immediately to keep your climate perfectly stable. Turn on push alerts today and manage your environment smarter and safer.



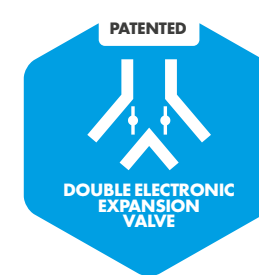
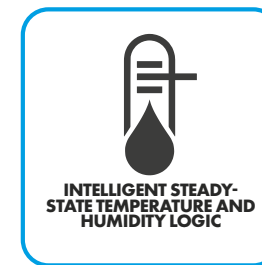
# REVOMAX **US** FREE AIR

Where the RevomaxUS is made to distribute the air through a ducting system or air distribution hoses, the RevomaxUS Free Air is made to blow it out freely. The RevomaxUS Free Air is designed in such a way that it takes up as little volume as possible and thus takes up as little space as possible and at the same time intercepts as little light as possible.

The specialized fans have a reach of up to 98 ft, allowing the Free Air models to be mounted on the grow room wall. This enables climate control without the need for air distribution hoses above the crop.

All the features that the RevomaxUS has are also available for the Free Air version.

*The Revomax III Free Air is made to order only.*





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**REVOMAX**

Engineered & Designed in Holland

For more information about Revomax products,  
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