

celitron

WE THINK GREEN!

**CELITRON MEDICAL TECHNOLOGIES**  
is supporting the fight against

**COVID-19**

**Medical & Pharmaceutical**  
solutions

Compliance with the highest  
international and US standards



**Origin Medical Devices Panther 5**

# Origin Medical Devices Panther 5

NEW PROJECT - FIGHT AGAINST COVID-19

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## HIGHLIGHTS

- **High performance** and advanced features target the ICU environment
- **Supports** Neonates through Adults
- **Utilizes** an internal blower with a specially designed flow control valve removing the need for using compressed air without compromising performance
- **Advanced modes** and non-invasive support as required by an ICU ventilator
- **A range of diagnostic** and support maneuvers
- **A range of advanced functions** for better patient support and synchrony
- **Support** of Capnography and SpO2
- **Small overall size and weight** enables using the ventilator in the ICU as well as transporting the patient from the ICU without the need to change ventilators
- **Large 15" TFT display** with a projective capacitive touch screen
- **Low power consumption** enables battery operation for up to 4 hours
- **Flexible communication** capabilities incorporated
- **Very low cost** of ownership



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### Automation during manufacturing

Full automated control of calibration, functional operation and performance are done by automated programs, resulting in a higher level of verification and control over the finished product while reducing costs and labor.



### Burn in automated control and tracking

Burn-in of the ventilators is also controlled and monitored by automation programs. These track the products during burn in, detect faults and provide a complete bill of health when the burn in is completed.



The Panther 5 Ventilator is an ICU level ventilator utilizing an advanced blower along with a specially designed flow control valve. Unlike other blower-based ventilators, this design provides both high flow delivery, extremely fast response to patient demand and very fast and stable pressurization during pressure breaths.

Global presence • 70 plus countries

Origin Medical Devices  
Panther 5 Ventilator



# Origin Medical Devices Panther 5

## Why is it different?



## DIFFERENTIATIVE FEATURES ★★★★★

### Smart mode (A)

A special mode that provides an automatic transition between a control mode and a spontaneous mode in response to the presence or absence of spontaneous breathing. It is an intelligent strategy for earlier detection and appropriate ventilator support for patients ready to breathe independently.

### Spontaneous Breathing Trial (SBT)

This mode is used to test a patient's ability to tolerate spontaneous breathing with minimal support to compensate for the resistance imposed by the ETT and Circuit in an effort to determine if the patient is ready for additional weaning and or extubation.

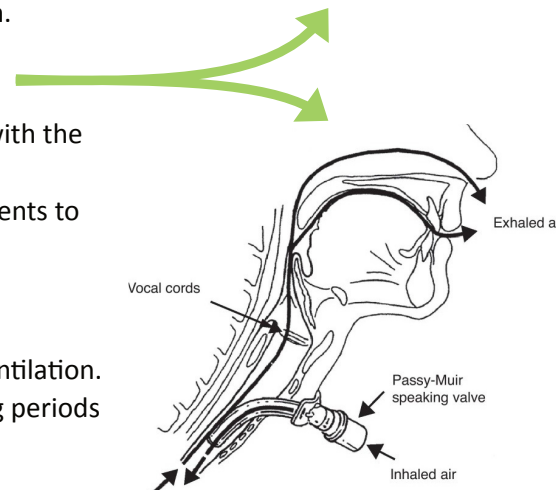
### Speaking Valve Friendly Functionality

This functionality allows for speaking valves to be used with the ventilator.

Speaking valves are designed to allow tracheostomy patients to vocalize on or off the ventilator.

### Demand Flow (A)

An intra-breath demand system in Volume Controlled ventilation. Designed to provide additional flow to the patient during periods of demand.



### Auto Exhalation Sensitivity (Auto ESENS) (A)

Exhalation sensitivity is a commonly under optimized setting by clinicians and frequent cause of spontaneous breaths cycling too late, too early and double triggering. Auto Esens automates the setting to match the patient's needs.

### SMART Trigger

A third trigger type on the P5 ventilator uses a unique algorithm that continuously analyzes changes in pressure and flow patterns to improve synchrony with the patient during non invasive ventilation and much faster response for COPD patients

### Recruitment Maneuver (A)

Allows clinicians to perform either a single or multi step recruitment maneuver (RM) via continuous ventilation at user defined step settings. The maneuver allows a maximum recruitment strategy to be applied using an automated step based maneuver process of Bi-Level.

### PV (Slow inflation maneuver)

This maneuver enables evaluation of inflection points and selecting optimal PEEP by performing a slow inflation and deflation shown as a loop with cursors that enable analysis of said inflection points.

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The Panther 5 ventilator has two models. The A model and the G model. The A model is the full featured ventilator. Anything that has an (A) next to it is specific to the A model and not included in the G model.

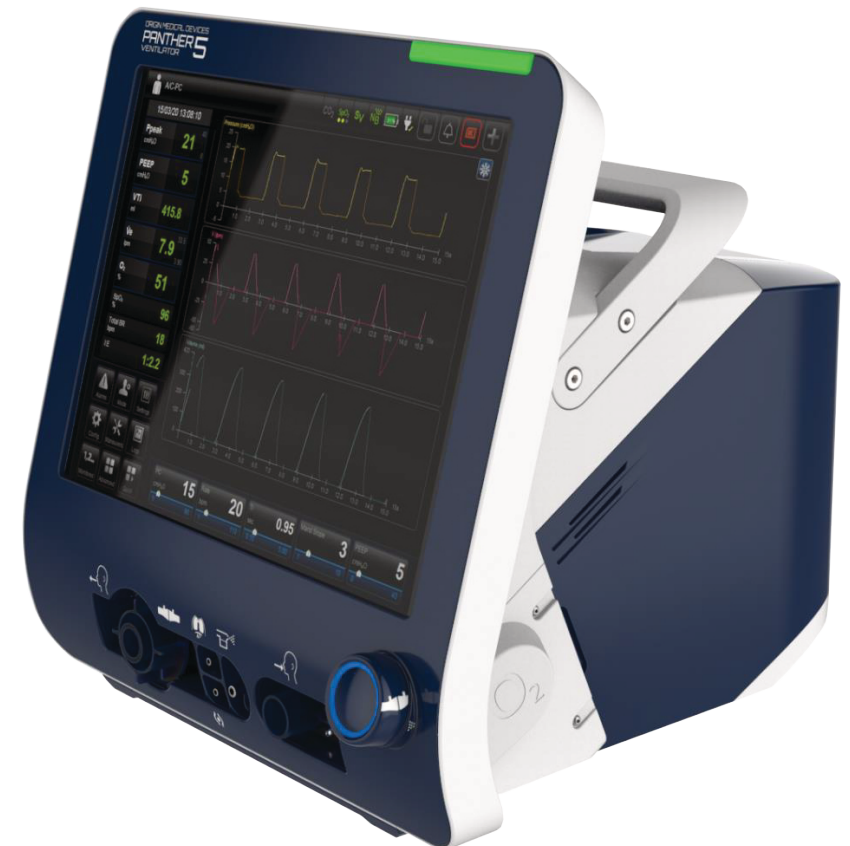
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## ADDITIONAL SPECIAL FEATURES ★★★★★

- Pneumatic and Aerogen nebulizer support
- Suction maneuver – simplifies the suction process improving safety and patient comfort
- Special safety features in NIF maneuver
- Tube compensation
- Leak compensation
- Volume compensation during non-invasive ventilation



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# Celitron is specialised in Medical & Pharmaceutical products



## Our background

Hungarian company -  
complying with high EU standards

15+ years experience in market

Presence in 70 plus countries

Leader in Medical waste management  
market with 500+ units deployed

5000+ sterilizers sold around the world

Turnkey projects in Agri and Pharma industries



Compliance with the highest  
international and US standards





Celitron Medical Technologies Kft.

FOR MORE INFORMATION CONTACT US  
DIRECTLY VIA EMAIL

[info@celitron.com](mailto:info@celitron.com)