

celitron

WE THINK GREEN!



**PANTHER 5 VENTILATOR**

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

**COVID-19**

**Medical & Pharmaceutical**  
solutions

Compliance with the highest international and US standards  
**(PED, MDD, ISO 13485:2012, ISO 9001:2008, CE, EN 13060, EN 285, ASME, UL etc.)**

# PANTHER 5 VENTILATOR

NEW PROJECT - FIGHT AGAINST COVID-19



## 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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## NEW PROJECT - FIGHT AGAINST COVID-19

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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.



### Tracking and updated devices in the field

The ventilators in the field can communicate with our servers to report any technical anomalies along with detailed log information in real time. This makes it possible to detect faults early on, and address any issue before it escalates. This increases patient safety and reduces the risk of field recalls.



### Automatic Software update and maintenance tracking

Software in our products can be updated automatically over the network. Whether the update is done online or offline, all information regarding the update is sent to the servers for tracking and management purposes.

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

Designed by

Origin Medical Devices



# PANTHER 5 VENTILATOR

## 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) (G)

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.

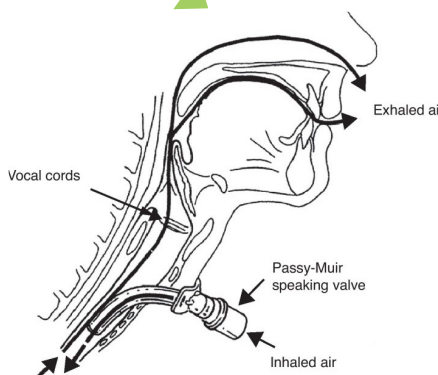
### Speaking Valve Friendly Functionality (G)

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 E<sub>SENS</sub>) (A)

Breath Cycling Too Early or Too Late: Patient ventilator synchrony. Exhalation sensitivity is a commonly under optimized setting by clinicians and frequent cause of spontaneous breaths cycling too late, too early and double triggering of breaths when not set to match the patient's needs.

### SMART Trigger (G)

It is a third trigger type on the P5 ventilator that uses a unique algorithm that continuously analyzes changes in pressure and flow patterns to respond to patient efforts.

### 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 RM Step & Rest Step maneuver process via pressure-control ventilation. The maneuver when active provides continuous breath-by-breath display of static and dynamic compliance as well as inspired and expired volumes and allows P/V curves to be captured.

Panther 5 ventilator has two models. One is the A model and the other is the G. These 2 models have the following differentiative features. Anything that has an (A) next to it is specific to the A model vent. Anything that has an (G) next to it is specific to the G model vent.

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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

**(PED, MDD, ISO 13485:2012, ISO 9001:2008,  
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