bellavista 1000 ICU – Intensive Care Ventilator
Today the challenges in mechanical ventilation can be very different but the main goals will be always the same:

Decreasing distress and discomfort, increasing comfort and synchrony to the highest level possible for the patient and reducing the workload for the health care professionals and expediting weaning of the patient.

imtmedical has more than 20 years of experience in engineering and development of medical technologies including the bellavista ventilator.

Our goal is to develop the best ventilator for your daily needs. bellavista is an innovative highly versatile ICU ventilator which gives you a wide range of possibilities and solutions, allowing you to find the best modes and strategies to ventilate patients.

bellavista's unique user interface gives you all these features simply and easy to hand.
Easy and smart

The bellavista graphical user interface makes it very easy to customise and configure your workplace. You can simply slide through the pages you need for your daily routine and our smart start screen supports you in finding the right setup to begin your ventilation.

The setting assist feature gives a quick forecast as to what impact your setting changes will have.

The manoeuvre page unites all weaning and static functions that can be performed. The compact design allows you to ventilate with bellavista during an intra-hospital transport. With six hours battery time you will have enough time to do any transport with less stress. Our additional Non Invasive and Neonatal Software Options will enhance the qualities of bellavista. The bellavista ventilator gives you a unique user experience combined with highly advanced technology.
Non Invasive Package

Non invasive ventilation can be a very frustrating experience, when the ventilator lacks performance or is not capable to adapt to the patients breathing pattern.

bellavista, a high end ventilator in its performance for invasive ventilated patients; combined with our NIV Package is the best you can get of both worlds. Our synchrony tools: AutoSync and AutoRise plus our adaptive leak compensation AutoLeak guarantee an outstanding NIV performance.

You get all this performance with a very silent turbine to limit noise pollution. For more information ask for our bellavista NIV brochure.

Neonatal Option

bellavista can be upgraded to ventilate premature babies, neonates and infants. New options like target volume ventilation from 2 mL, neonatal O2 flush configuration and nCPAP provide a customized, accurate, sensitive and comfortable ventilator. For more information ask for our bellavista NEO brochure.
aVm. Adaptive Ventilation Mode

When ventilation weans and adapts to the patient

AVM is a safe and smart ventilation mode that reduces user interaction and ventilator settings to a minimum and therefore your workload. By constantly considering the patients compliance and resistance, AVM adapts continuously to the patient respiratory requirements whether in mandatory or spontaneous ventilation.

This leads to an optimal ventilation pattern throughout the entire ventilation process from intubation to extubation. AVM protects the patient from baro- or volutrauma, apnoea and air trapping. This combined with our unique adaptive synchrony tools will give you the possibility for an advanced, optimised, safe ventilation and weaning process.
**auto.rise**

It can be very difficult and time consuming to adapt to different and constantly changing patient conditions. AutoRise relieves you from the challenge of finding the perfect rise time and synchrony for your patient breath by breath.

AutoRise adapts breath by breath to the respiratory conditions of your patient aiming to minimize rise time and avoiding pressure overshoot.

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**auto.sync**

Unlike conventional manually adjustable exhalation trigger settings, AutoSync is independent of the variable inspiratory peak flow.

AutoSync evaluates criteria like pressure, flow and volume synchronised to ensure a smooth transition from inspiration to expiration to maximise your patients comfort.

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**auto.leak**

The bellavista ventilator monitors and compensates leaks up to 120l/min during non invasive and invasive ventilation in every mode. AutoLeak is active during inspiration and expiration.

With the fully automatic and adaptive AutoLeak feature intentional and unintentional leaks will always be compensated to guarantee patient safety.
A quick view can be very valuable
AnimatedLung and VentSummary support your decisions
AnimatedLung

The AnimatedLung is a dynamic tool to visualize the patient lung conditions at a glance. It shows you various states of compliance, resistance and patient triggering. It is easily understood through a graphic display and available in every ventilation mode.

VentSummary

Ventilation summary display gives you a quick overview of the most relevant weaning criteria. The summary is divided into three categories: oxygenation, ventilation and spontaneous breathing activity. The limits will be individually configured by the user.

As soon as the patient's parameters are within the limits VentSummary turns green and a timer indicates how long the patient maintains your extubation criteria. The Vent Summary is available in every ventilation mode.

Summary

Patient status with high oxygen settings and ventilation support out of configured limits

Summary

01h:35m

All weaning criteria configured by the user have been within limits for one hour and 35 minutes
HEPA Filter

More environmental flexibility everywhere, bellavista can be configured with two different grades of inlet filters to prevent dust and bacterial contamination.

CO2

Our capnography package will add a volumetric CO2 sensor (sidestream and mainstream) to provide you with valuable information of the patients metabolic state (also available as Neonatal Option).

SpO2

Plethysmography and heart rate enhance your monitoring and diagnostic capabilities (also available as Neonatal Option).
Pneumatic Nebulizer
A flow compensated and trigger synchronised nebulizer with up to three different modes (insp., exp., cont.) compatible to all single and multi use devices, broadens your therapeutic options with the bellavista ventilator.

Silent Turbine
Our high performance and high flow turbine with its patented low-noise design leads to the quietest performance among ICU ventilators.

Active Exhalation Valve
Our new active low resistance exhalation valve provides you with more control and monitoring values for optimal ventilation therapy. bellavista gives you the option to operate with single limb and NIV circuits.

Touchscreen
Our bright wide 13.3" high contrast touch interface is highly configurable. Different screens can be configured by you and allows you slide between your most important parameters.