



bellavista® Ventilator

Versatile non-invasive ventilation

Non-invasive ventilation (NIV) on the bellavista® ventilator offers clinicians a guided workflow process for selecting circuits appropriate for their patients.

This 3-in-1 solution provides the versatility of noninvasive, invasive, and high-flow oxygen therapy, as well as:

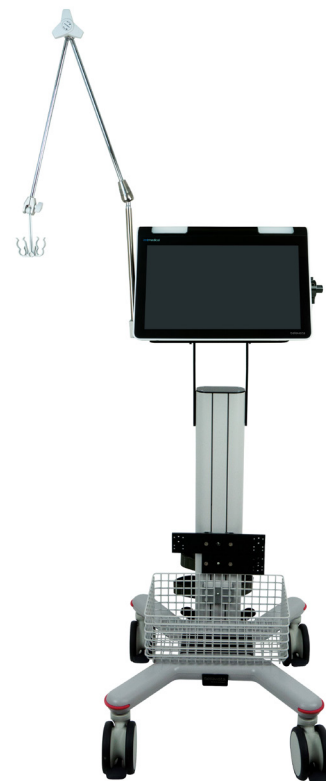
- An intuitive and configurable interface
- Advanced synchronization tools
- Single- and dual-limb circuit options offer flexibility

Modern touchscreen interface

bellavista ventilators feature a modern touchscreen interface with a flat menu structure to aid clinicians in feature navigation and operation.

User-centric design

Features such as confirmation prompts for critical settings, automated alarm adjustments, and visual indicators for completed tasks mitigate hazards related to potential user errors. Step-by-step visual aids and alerts guide clinicians through critical tasks, such as device setup and patient monitoring.



Multiple ventilation modes and configurations

With bellavista, clinicians can deliver NIV using single- or dual-limb circuits in the following ventilation modes:*

- S/T, T, S, S_{Target} , S/T_{Target} , P-A/C, PSV, P-A/C $_{\text{Target}}$, beLevel, APRV, CPAP
- P-A/C, PC-SIMV, PSV, P-A/C $_{\text{Target}}$, PC-SIMV $_{\text{Target}}$, PSV $_{\text{Target}}$, beLevel, APRV, CPAP

bellavista turns on in standby mode, allowing clinicians to adjust settings before starting ventilation if the profile selected does not match their needs.

Ventilation screens can be configured for customer needs as these examples show.



NIV is indicated by a blue bar at the top and bottom of the screen and by the mask symbol at the top of the screen.² Alarms are suppressed for the first 2 minutes of NIV initiation. IPAP = absolute pressure | EPAP/PEEP = Positive-end expiratory pressure | PSupport = relative above PEEP

In TargetVent modes, the inspiratory pressure P_{insp} automatically adjusts from breath to breath to reach an adjustable target tidal volume. TargetVent determines dynamic compliance (C_{dyn}) for each breath and sets the pressure support for the next breath according to the selected target volume V_t $_{\text{Target}}$.¹

Average volume-assured pressure support (AVAPS) is a modality of non-invasive ventilation that enables the machine to deliver a preset tidal volume by adjusting the inspiratory pressure support within a set range.²



For more information about NIV on bellavista, contact your local ZOLL representative.

¹bellavista User Manual, 305.077.000_09, EN.

²bellavista User Manual, 301.182.000.25, EN

*Not all modes listed need to be used for NIV. Listed modes are options.

Note: Models may differ and screens shown here may not appear the same for each customer or region.

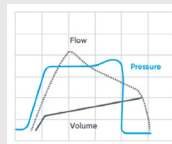
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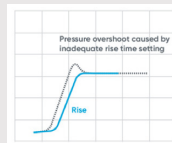
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Advanced synchronization tools

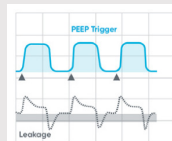
- **Automatic expiratory trigger** (auto.sync support) uses three separate criteria simultaneously for switching from inspiration to expiration:
 - Differential flow trigger
 - Limit for expiration
 - Differential pressure trigger



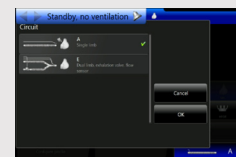
- **Automatic pressure rise** (auto.rise) automatically adapts the rise time with a breath-by-breath analysis:
 - Minimizes pressure rise rate
 - Prevents pressure overshoots
 - Maximizes peak flow¹:



- **Leak compensation** (≥ 120 L/min) helps mitigate disruptions from leaks at the mask or in the circuit.



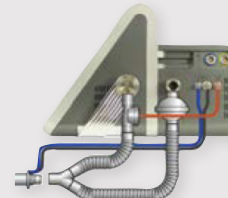
Profiles can be saved with preselected circuit options



Single-limb circuit (circuit A) for non-invasive ventilation with a vented mask (no expiratory valve)



Dual-limb circuit (circuit E) for invasive and non-invasive ventilation (requires the integrated or single-use expiratory valve and proximal flow sensor). For NIV: non-ventilated mask without leak (ventilated mask can be used as an alternative)



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