

INTELLiVENT[®]-ASV[®]

Your bedside assistant

Our intelligent ventilation mode reduces manual interactions with the ventilator^{1,2,3}, transforming you from a knob turner into a supervisor while supporting individualized lung-protective ventilation for your patients^{2,3,4}. INTELLiVENT-ASV is suitable for intubated adult and pediatric patients throughout the entire process, from intubation to extubation.

Multiple international studies have demonstrated the safety and effectiveness of INTELLiVENT-ASV across a range of clinical scenarios. These studies include post-cardiac surgery⁵, COVID-19 pneumonia⁶, as well as specific conditions like COPD⁷, brain injury⁸, and ARDS⁷.

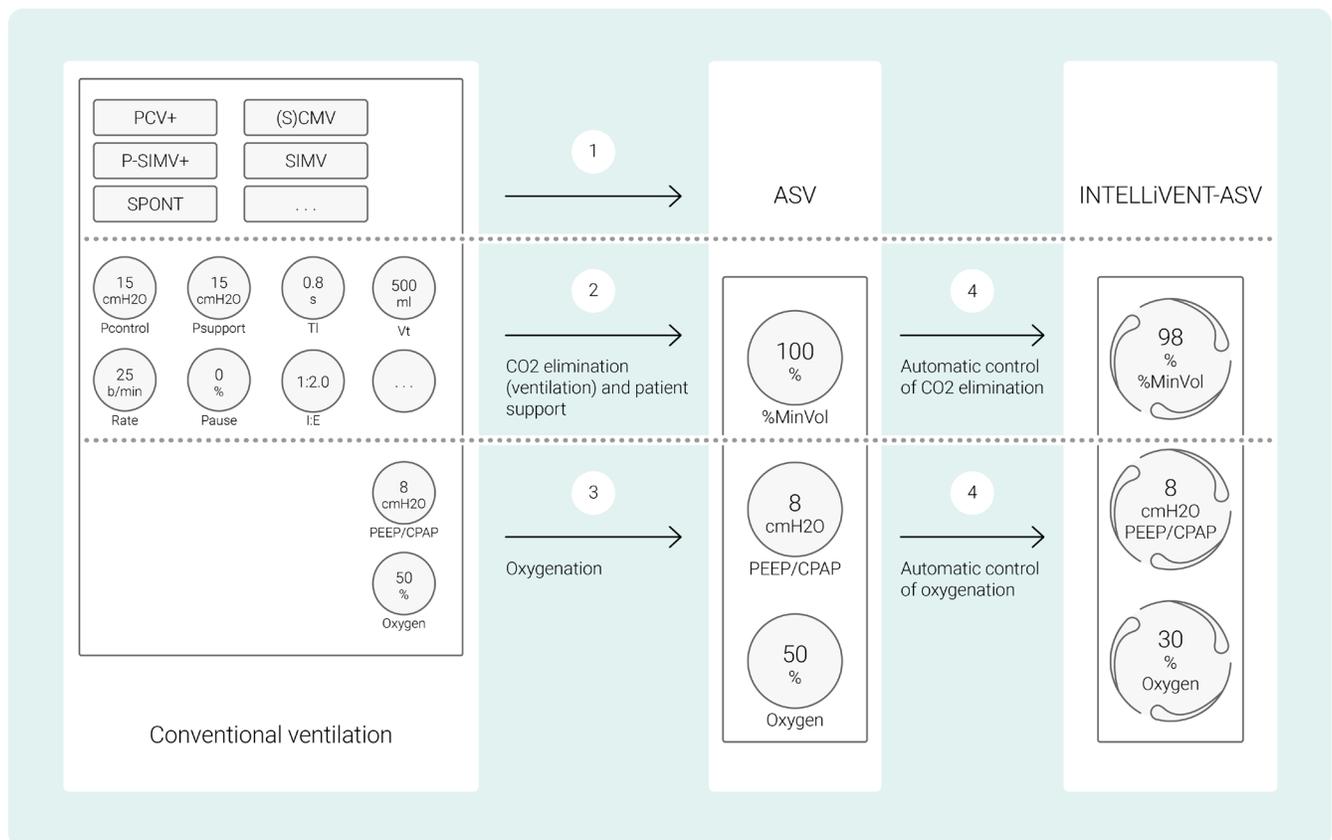
INTELLiVENT-ASV improves safety for your patients by carefully selecting appropriate driving pressure⁴, mechanical power⁴, and tidal volume⁹.

How is it different?

In conventional modes, you set multiple ventilator controls like tidal volume or pressure, respiratory rate, FiO2, PEEP, and expiratory and inspiratory time to achieve certain clinical targets. And all those controls need frequent readjustment.

With INTELLiVENT-ASV, your defined clinical targets and strategies for oxygenation and ventilation are at the center. Once you have set them, you can decide to what extent INTELLiVENT-ASV should control oxygenation and ventilation in order to reach them.

INTELLiVENT-ASV then automatically selects ventilator settings, manages the transition between passive and active states, and actively supports your weaning protocols using Quick Wean.



Ready, aim, ventilate!

At the beginning, you set the patient's height, gender, and specific condition: normal lungs, ARDS, chronic hypercapnia, or brain injury. Next, you set the clinical targets in terms of oxygenation (SpO₂) and CO₂ elimination (PetCO₂) for your patient.

You then have various options to fine-tune INTELLiVENT-ASV. For example, you can decide whether you want to set PEEP manually or if you want INTELLiVENT-ASV to set PEEP within a range defined by you.

After reviewing or setting alarm limits, you are ready to start ventilation.

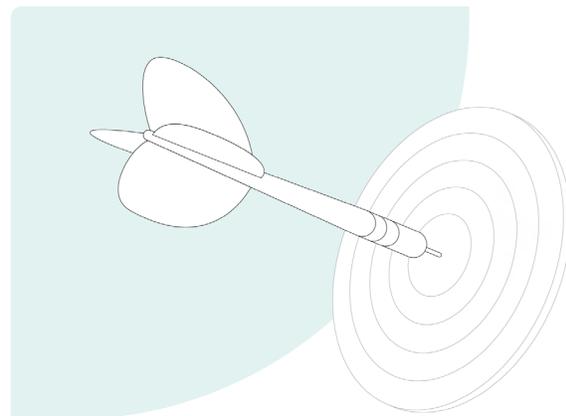
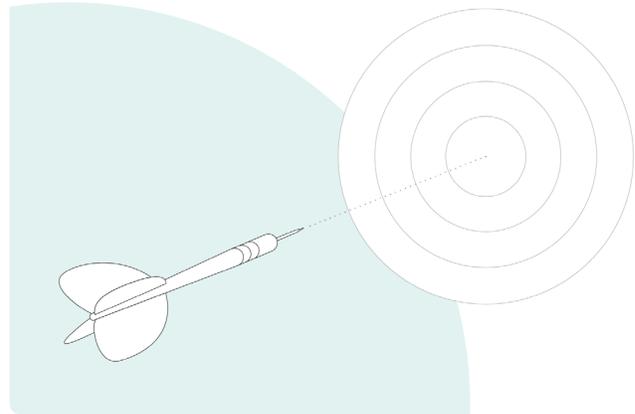
Keeping the patient on target

INTELLiVENT-ASV implements your strategy at the bedside. Instead of making frequent changes to individual settings, you monitor and readjust the targets and strategy when necessary.

INTELLiVENT-ASV brings the patient into your defined target range and then keeps them there - while maintaining lung-protective ventilation ^(2,3,7).

It constantly adjusts individual ventilator controls (such as rate, tidal volume, inspiratory pressure, PEEP, and FiO₂), and switches between controlled and assisted ventilation - all based on physiologic inputs that are evaluated with every breath.

These inputs are provided by three sensors: The proximal flow sensor provides data on lung mechanics and patient activity, while the SpO₂ and CO₂ sensors provide data on oxygenation and CO₂ elimination.



How to wean your patients

Utilize INTELLiVENT-ASV's Quick Wean feature to seamlessly implement your weaning protocol. Quick Wean can be enabled at any point before or during ventilation, offering flexibility. Customize Quick Wean to conduct controlled spontaneous breathing trials (SBTs) based on your specific protocols. You have the freedom to adjust criteria for initiating an SBT, define settings during the trial, and establish criteria for aborting if needed.

INTELLiVENT-ASV ensures a comprehensive overview of all performed SBTs with a detailed history. In cases where an SBT proves unsuccessful, INTELLiVENT-ASV automatically reverts to the previous ventilation settings, ensuring seamless transitions and patient stability.

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We gain time by using INTELLiVENT-ASV, which we can use to accomplish other important tasks that take place in an ICU, such as taking care of the patients and providing essential medical care.

Laurent Buscemi, ICU Nurse
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