

# Hamilton-C6

## The next generation of intelligent ICU ventilators

The Hamilton-C6 represents a new generation of high-end ventilators. The combination of modularity, ease of use, mobility, and advanced features provides respiratory therapists the real-time support they need to optimise patient ventilation therapy.

The high-resolution monitor with capacitive touch screen combined with the clear and intuitive user experience aligns the interface of Hamilton-C6 with the interface of most touch-sensitive mobile phones thus assuring, familiar, easy, intuitive and rapid operation.

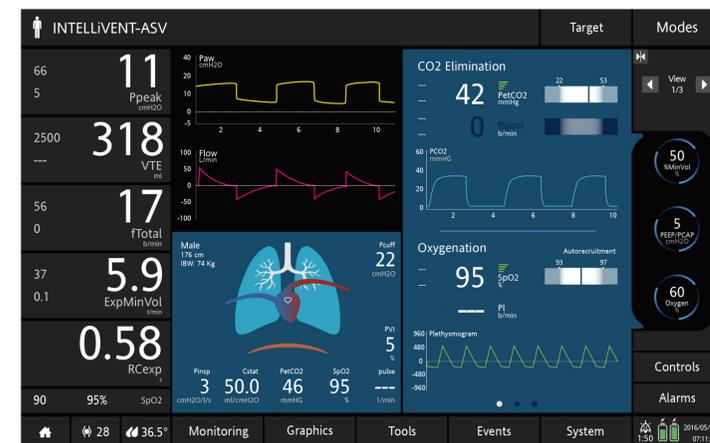
The new GUI incorporates a clear graphic representation of critically relevant patient monitoring parameters and ventilation settings so as to provide a rapid real-time overview and assessment of the patient's ventilation status. A clear visual hierarchy continually communicates to the caregiver which parameters are in auto-mode and thus will be adjusted automatically by the ventilator and which have been selected to be manually adjusted by the caregiver.

The design of the Hamilton-C6 GUI is proof of a careful implementation of an innovative interface which builds on a strong history of well-structured and appreciated User Experience. The GUI of the Hamilton-C6 is strikingly familiar and yet brings radical innovation to a traditionally conservative audience in a much needed area of innovation so as to better facilitate patient ventilation therapy.



### GUI design objectives

- Create a clear visual hierarchy and graphic representation of critically relevant patient monitoring parameters and ventilation settings.
- Assure the user a rapid overview of the patient's current ventilation status even from a distance.
- Emulate on screen the physical press-and-turn knob of the ventilator with the ability to operate through touch gestures while ensuring the security of user interventions.



### 1 Home

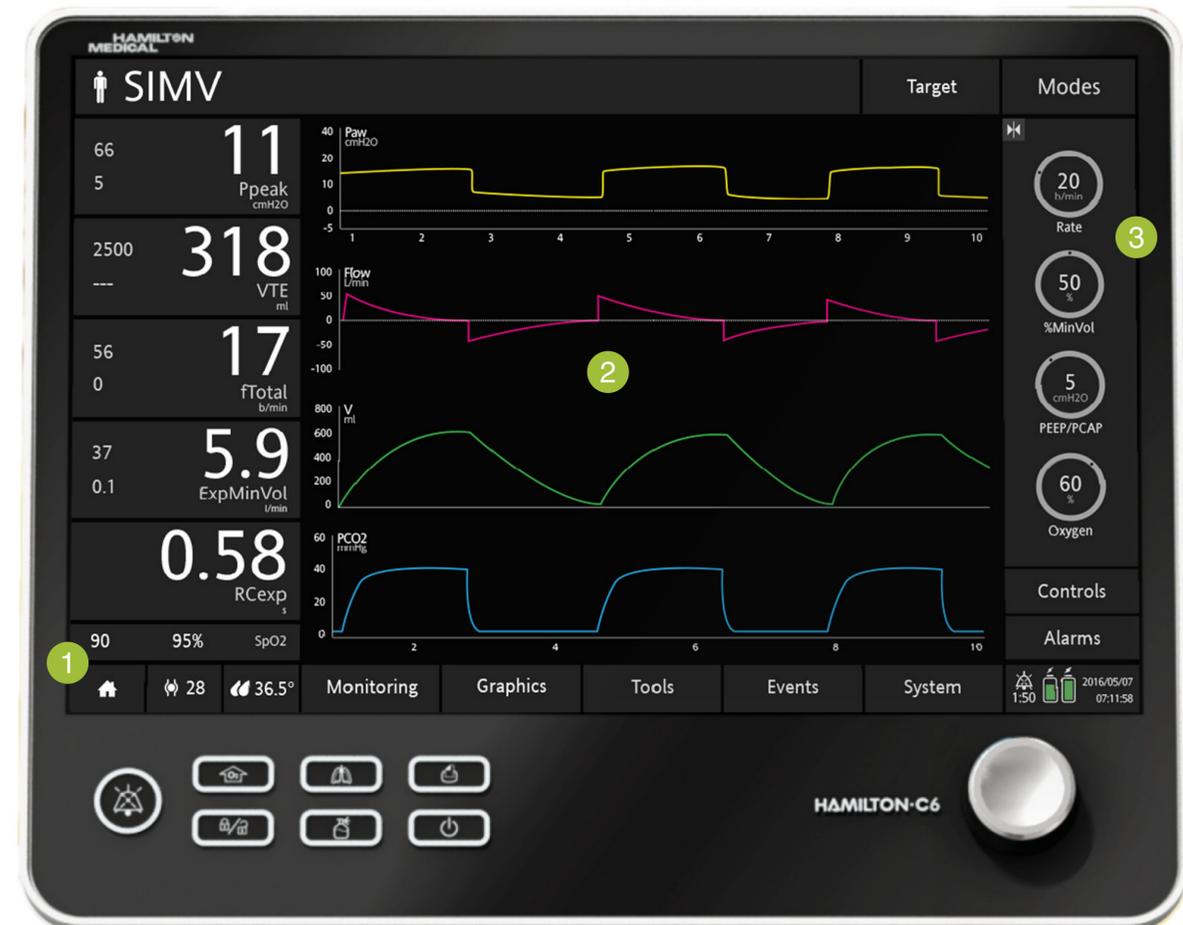
Home button allows the user to return to the pre-defined layout configuration (2 Waveforms, Dynamic Lung, Vent Status), allowing the user to change the interface without losing the initial base.

### 2 Waveforms

Waveforms keep an eye on patient-ventilation by continuously monitoring parameters and creating a real-time breath pattern which visualises inspiration and expiration cycles.

### 3 Knobs

The user interacts with the Hamilton-C6 through a touch screen, keys, and a press-and-turn knob. Turning the knob will move through a menu screen or a list of options. Pressing the knob confirms the selection and allows the user to modify the selected value. Pressing the knob once more confirms the adjusted value. These operations can also be performed on the screen by touch gestures like tap and swipe.



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### 4 Modes

The HAMILTON-C6 provides effective, safe, and lung-protective ventilation for adult, pediatric, and neonatal patients. Thanks to its biphasic pneumatic design, the ventilator always yields to spontaneous breathing in all modes.

### 6 Direct access to main controls

The user can access and adjust the 3-4 primary controls for the current mode directly on the right hand side of the main display or one step away for additional secondary parameters via the control tab.

### 5 Main monitoring parameters

The user can view the 5 main monitoring parameters at a glance on the left hand side of the screen. The large characters allow the user to read the values even from a distance.

### 7 Intelligent panels

Intelligent panels like Dynamic Lung and Vent Status display parameters and visual elements related to the patient's ventilator dependence. The layout of the panels on the screen can be customised according to user preferences.

### 8 INTELLiVENT-ASV

With INTELLiVENT-ASV, the clinician sets targets for PetCO<sub>2</sub> and SpO<sub>2</sub> for the patient then the ventilator automatically monitors and controls the ventilation and oxygenation.

INTELLiVENT-ASV continuously monitors patient conditions, and safely adjusts parameters to keep the patient within target ranges, with minimal clinician interaction, from intubation until extubation.

