

## Software options for the Atlan® family

The software options of the Atlan offers more ventilation modes, additional displays, trends and data export functionalities. These options support you to optimise the ventilation quality and contribute to improve the efficiency in the OR.



### OPTION PRESSURE SUPPORT

The ventilator recognises and supports the spontaneous breathing efforts of the patient. The pressure support level and the trigger sensitivity can be adapted according to the patient's needs.

- The pressure support mode (PS) can either be used as stand-alone mode (PSV) or can be combined with all synchronised volume- and pressure-controlled mechanical ventilation modes.
- In the stand-alone pressure support

- mode PSV an apnoea back-up ventilation can be activated by setting a minimal ventilation frequency.
- In pressure support ventilation mode it is possible to apply pure CPAP if the pressure support is switched off.



### Ventilation modes

- PSV (CPAP)
- PC – SIMV / PS
- VC – SIMV / PS
- VC – SIMV / PS / AutoFlow<sup>1)</sup>

### OPTION AUTOFLOW

The AutoFlow (AF) mode combines the advantages of volume- and pressure controlled ventilation. AF applies a decelerating inspiratory flow for all mandatory volume-controlled breaths to deliver the set tidal volume with the lowest required pressure to avoid pressure peaks.

- ensures delivery of set tidal volume
- adapts automatically the inspiratory pressure according to changing lung compliance
- supports lung-protective ventilation consistently

- can be synchronised and combined with pressure support (PS)



### Ventilation modes

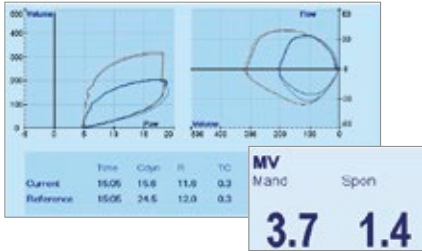
- VC – CMV / AutoFlow
- VC – SIMV / AutoFlow<sup>2)</sup>
- VC – SIMV / PS / AutoFlow<sup>2)</sup>



### OPTION ADVANCED NEONATAL SUPPORT<sup>3)</sup>

Includes advanced ventilation and monitoring functions for the ventilation of neonates:

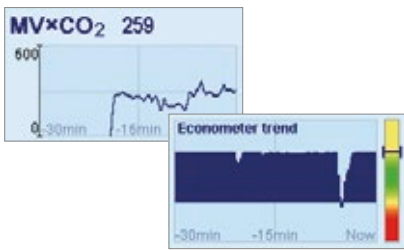
- VT can be set to minimum of 5 ml in volume-controlled mode
- increased waveform speed
- enhanced precision of flow measurement



### OPTION ADVANCED VENTILATION MONITORING

Includes following functions:

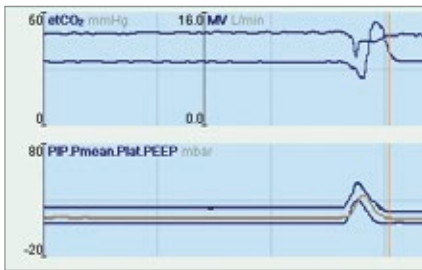
- display of combined minitrends of patient compliance and PEEP
- display of loops (pressure-volume and flow-volume)
- Volumeter (bar graphic for monitoring the inspiratory and expiratory tidal volumes)
- display of spontaneous minute volume compared to the mandatory minute volume



### OPTION ADVANCED GAS MONITORING<sup>3)</sup>

Includes the following functions:

- Econometer and trend display for efficiency of fresh-gas setting
- display of medical gas consumption
- display of anesthetic agent consumption and uptake
- display of MV x CO<sub>2</sub> (trend)
- display of O<sub>2</sub> uptake (trend)



### OPTION ADVANCED TRENDS

Includes functions to support a detailed analysis of the measured patient parameters:

- graphical trend display of measured parameters
- display of minitrends together with waveforms
- export of trend data via USB stick



### OPTION EXPERT VIEW<sup>3)</sup>

All information at a glance. This enables an advanced screen view with additional parameters:

- 4 waveforms or
- 3 waveforms and display of 4 numerical parameters

<sup>1)</sup> in combination with Opt. Autoflow | <sup>2)</sup> in combination with Opt. pressure support | <sup>3)</sup> in combination with opt. integrated patient gas module

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