Volume support

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Volume support

- Pressure support
- Set Tidal Volume is "targeted"
- Ventilator estimates volume/pressure relationship each breath
- Ventilator adjusts level of pressure support breath by breath

Volume support

- The start-up sequence comprises four breaths. During these four breaths the ventilator regulates the pressure level to support the patient so that he/she receives the pre-set Tidal Volume.
- The first breath is given with a support of 10 cmH2O.
- During the remaining three breaths, the maximum pressure increases in increments of 3 up to a maximum of 20 cmH₂0 for each breath.



VOLUME SUPPORT (VS)

The start-up sequence is 4 breaths. The first breath is given with a support of 10 cmH₂O. From that breath the ventilator continually calculates and regulates the pressure needed to deliver the preset Tidal Volume. During the remaining 3 test breaths, the maximum pressure increase is 20 cmH₂O for each breath.

Volume Support



- If the Tidal Volume is less than the preset Tidal Volume, then the ventilator will increase the Pressure Support for the next triggered breath. The pressure increase can be from 1 to 3 cmH2O.
- If the Tidal Volume is more than the pre-set Tidal Volume, then the Pressure Support for the next triggered breath will decrease in steps from 1 to 3 cmH2O.
- The inspiratory Pressure Support level will automatically adapt to changes in the mechanical properties of the lung/thorax and patient effort.
- The Tidal Volume can vary from breath to breath, depending on patient activity.

Volume Support - Adjustments

