

DID YOU KNOW?



PROPORTIONAL PRESSURE SUPPORT



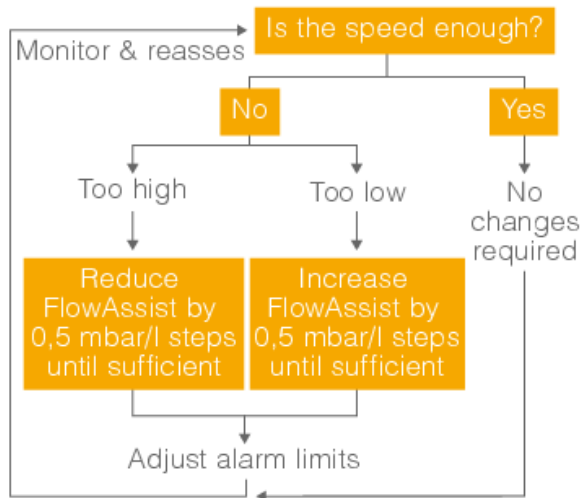
What is it?

Proportional Pressure Support (PPS) is a **partial ventilator support** that overcomes patient respiratory system elastance (Ers) and resistance (Rrs) by applying pressure **proportionally** to volume (volume assist, VA) and flow (flow assist, FA) respectively.

FlowAssist

Compensates for work of breathing related to resistance which is proportional to flow

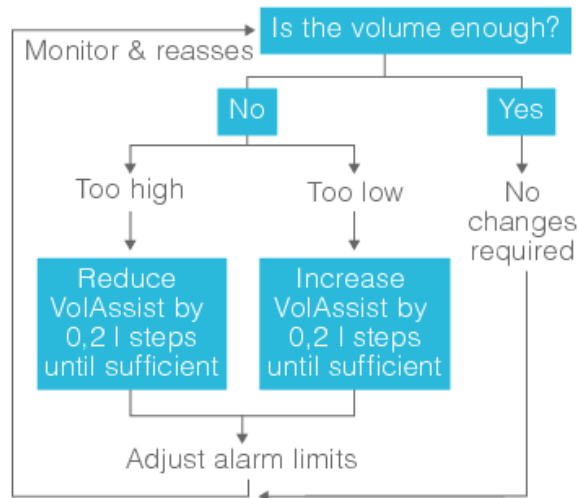
- Support is proportional to flow



VolAssist

Compensates for work of breathing related to elastance which is proportional to volume

- Support is proportional to volume



When should PPS be applied?

- Patient with spontaneous breathing
- Patient is accessible and cooperative
- Apnea ventilation is activated and adapted to the patient
- In the context of pathologically altered lung mechanics to reduce the work of breathing

Why is it helpful to improve the outcome?

- Patient is in control of all aspect of breathing (it feels more physiological)
- Improves patient-ventilator interaction
- Less sedation and more patient comfort during spontaneous breathing