



# Neonatal ventilation care

Optimized pediatric functionalities

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sense and simplicity

# Neonatal ventilation—when low volume is needed

The Siesta i TS brings to healthcare one of the most innovative anesthesia machines on the market. Our commitment to ongoing innovation ensures our technological platform is continuously improved.

Thus, we have further developed the Siesta i TS to feature neonatal ventilation in order to meet the market needs for low volume ventilation where required and to navigate in small increments and measurements at the same time.

## Neonatal ventilation with PRVT mode

Low tidal volume ventilation is an optimal ventilation therapy that provides and maintains the best possible gas exchange to prevent chronic lung diseases and lung injury in premature infants.

Our technological advances have resulted in the optimum ventilation mode. Combining the neonatal ventilation and the Pressure Regulated Volume Target mode (PRVT) ensures that the patients get adequate ventilation therapy during surgery.

## Benefits

- Best possible gas exchange
- Accurate volume measurements
- The flow sensor is placed in extension of the tube - preventing interference in volume measurements from system compliance
- Tidal volume down to 1-5 mL by setting the inspiratory pressure down to 4 hPa in PCV mode



Increment	Set tidal volume	Measured tidal volume
1 mL	10 - 50 mL	00 - 50 mL
2 mL	50 - 100 mL	50 - 100 mL
5 mL	100 - 200 mL	100 - 200 mL
10 mL	200 - 1500 mL	200 - 2000 mL

PRVT is a lung-protective ventilation mode that combines the advantages of volume controlled ventilation (VCV) and pressure controlled ventilation (PCV).

This means inspiratory pressure is continuously adjusted according to the functioning of the patient's airways, lungs and thorax. In this way, pressure is maintained at the lowest possible level in order to guarantee the preset tidal volume.



Philips Healthcare, Anesthesia Care  
 Dameca a/s, Islevdalvej 211, DK-2610 Roedover, Denmark  
 Phone +45 4450 9990, Fax +45 4450 9999  
 info@dameca.com, www.dameca.com

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