



Your patients, our primary focus

Siesta i Whispa anesthesia machine

PHILIPS
sense and simplicity

Functional, fail-safe and flexible to your needs

Take a good look, and you'll be surprised by the many forward-thinking features of the Siesta i Whispa anesthesia machine.

At Philips, we are not just committed to meeting the healthcare needs of today. We also remember tomorrow:

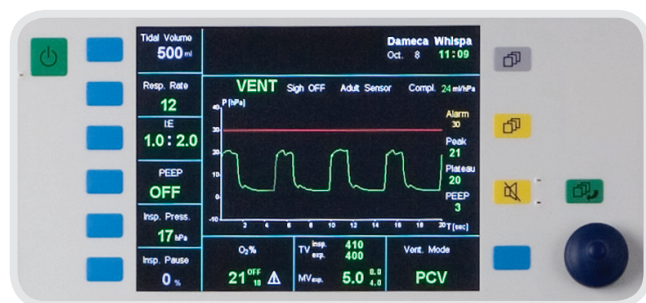
- Intuitive and user-friendly interface
- Integrated breathing system
- Microprocessor-controlled ventilator with 8" high-resolution color display and advanced ventilation modes, including PRVT*
- High-level safety features
- Space-saving design

Microprocessor-controlled ventilator

Our ventilator compensates for changes in the fresh gas flow and compliance in the breathing system.

Pressure, spirometry data and oxygen analysis are displayed on the 8" color TFT screen.

The seven ventilation modes are: VCV, PCV, SIMV, PSV, PRVT*, manual and spontaneous.



PRVT— Pressure Regulated Volume Target*

PRVT* is a lung-protective ventilation mode that combines the advantages of volume controlled ventilation (VCV) and pressure controlled ventilation (PCV). Optimum ventilation is achieved through inspiratory flow control, maintaining inspiratory pressure while the patient is under anesthesia. The required tidal volume set by the operator is achieved by automatic, breath-by-breath pressure regulation.

High-level safety features

The Siesta i Whispa has a number of built-in safety features, including:

- Hypoxic guard function, ensuring minimum 25% oxygen in the oxygen/nitrous oxide mix
- A slave regulator cuts off nitrous oxide and gives an audible alarm in case of a failed oxygen supply
- A fresh gas switch between the integrated breathing system and the auxiliary gas outlet
- An oxygen flowmeter with separate outlet, including tube nipple, and integrated patient suction unit
- Automatic self-test at start up
- Built-in battery backup

Space-saving design

The slim, modular Siesta i Whispa is a compact choice for all operating theatres, where it occupies a minimum of space. Twin wheels enable the machine to be moved around smoothly and easily. Where floor space is particularly limited, our pendant and wall-mounted solutions are a practical alternative.

We have done our best to integrate all functions in the machine. Even the AGSS for gas evacuation is among the core functions, eliminating the need for a separate system on the side or rear of the machine.

A smart back bar for mounting Selectatec vaporizers and simple mounting of all types of patient monitors adds to the flexibility that will take the Siesta i Whispa into the future.

Long lifetime at low cost

Look forward to the lowest total cost of ownership on the market. Minimum maintenance requirements and easy cleaning are all part of our design. Spare part orders are promptly handled and dispatched.

* option



Integrated breathing system

Forget about time-consuming, multiple tubing connections between the anesthesia machine, breathing system and patient. Our integrated breathing system (IBS) integrates an ascending bag-in-bottle, patient circuit and CO₂ absorber in one compact unit.

That means no tubings between the breathing system and the machine and only two tubings — for inspiration and expiration — between the breathing system and the patient. Manual bag connection is located under the manual respiration valve.

Setting up for an operation is faster, and cleaning easier. In less than a minute, the machine can be taken apart for cleaning, without any need of special tools. The foolproof design rules out the risk of reassembly errors after cleaning.

Bag-in-bottle

Ascending bellows prevent air from being drawn into the breathing system in the event of a leakage. Capacity up to 1500 ml, suitable for adults, infants and neonates.

Valves

Yellow valve flaps enable visual supervision of inspiration and expiration. A handy manual respiration valve is also integrated with pressure, closed and spontaneous modes.

i-SORB absorber

Available in re-usable or disposable versions, the i-SORB eliminates waste of unused soda lime due to its flow-optimized design.

A sensor detects when the absorber is mounted. The absorber can be replaced while the machine is in operation. Soda lime capacity is 900 g.



Specifications

Siesta i Whispa	
Dimensions (HxWxD)	1510 x 760 x 670 mm
Weight	110 kg
Hypoxic guard system	Total flow range 0-20 L/min
Vaporizers	Back bar for two Selectatec vaporizers (German or British standard) with interlock safety mechanism
Integrated breathing system (IBS)	Hanging Insp./Exp. valve flaps Tool-free disassembly in 30 seconds Fresh gas introduced after Insp. valve Autoclavable
Absorber capacity	900 g
Ventilation modes	VCV (Volume Controlled Ventilation) PCV (Pressure Controlled Ventilation) SIMV (Synchronised Intermittent Mandatory Ventilation) PSV (Pressure Support Ventilation) PRVT* (Pressure Regulated Volume Target)(opt.) Manual, spontaneous
Tidal volume	10 to 1500 ml
Respiration rate	4 to 80 bpm
I:E ratio	3:1 to 1:9.9
Electronic PEEP	4 to 20 hPa
Inspiratory pressure	PCV 4 to 67 hPa PSV 4 to 50 hPa
AGSS	30 to 40 L/min
Ventilation measurements	Peak, Plateau, and PEEP pressure Patient compliance Tidal & minute volume Inspired O ₂ % (opt.) Spirometry loop

* option

The Siesta i Whispa anesthesia machine was previously sold and marketed under the Dameca brand. As of March 2011 Dameca was acquired by Royal Philips Electronics



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