

Dräger Perseus® A500

Anaesthesia Machines

Combine proven ventilation technology with the latest refinements in ergonomics and systems integration with an advanced anaesthesia platform designed together with experts from around the world to streamline your anaesthesia workflow.

Highlights

Advanced, economical ventilation technology

The Perseus A500 gives you quality turbine ventilation for ICU-like capabilities that allows the patient to breath spontaneously at any time. Equipped with the fastest breathing system Dräger has to offer, changes of gas concentration reach the patient faster, especially in low and minimal flow settings. The Perseus A500 is compatible with our Vapor 2000/3000 vaporizers.

Flexible workflow support

The workflow support features of the Perseus A500 are designed to streamline and simplify your routine. These include timer-based, fully automatic self-testing, seamless monitoring transfer from bedside to the OR with a single monitor and ventilation capabilities even when the unit is not under power. It's also flexible, offering you a choice of mounts for arms and monitors, letting you configure the Perseus A500 to best suit your needs.

Prediction of inspiratory and expiratory concentrations of volatile anaesthetics

In combination with the Option Vapor View (and Vapor 3000 / D-Vapor 3000), the Dräger Perseus A500 gives you sophisticated oxygen and anaesthetic agent level prediction technology, letting you perform low and minimal flow anaesthesia with even more confidence. The Perseus A500 also incorporates RFID technology, alerts you if an erroneous hose connection is made and reminds you when it's time to exchange RFID-equipped system components.

Enhanced workplace ergonomics

The Perseus A500 is loaded with features that provide real improvements in workplace ergonomics. A generous, well-lit documentation space, ample storage room for consumables and the intelligent placement of things like the brake lever, suctioning unit and the anaesthetic agent scavenging system make working with the Perseus A500 easy and intuitive. The integrated breathing system can be accessed and processed without the need for special tools.

Comfortable design

The user interface utilizes the familiar Dräger operating system featuring the same rotary knob you know from other Dräger ventilators and anaesthesia platforms. Learning to use the Perseus A500 is therefore as straightforward as with any other Dräger medical device. The sleek, modern design is a comfortable, inviting place to spend your shift while providing state-of-the-art care for your patients.

Outstanding design

The Perseus A500 has been awarded two major design awards: the "iF product design award 2013" and the "red dot design award 2013: best of the best". Both awards count among the most

important international design competitions and not only rate design quality, but also aspects such as safety, ergonomics, functionality, degree of innovation and, not least, environmental compatibility.

Specifications

Lung Protective Ventilation

Operational Application	Highly-integrated anesthesia platform
Patient categories	Adults, pediatrics, neonates
Fresh gas decoupling	✓
Ventilator technology	Blower-Technology, Electronically-controlled TurboVent2
APL-Technology / Precise manual ventilator	Dräger APL-Valve
Breathing gas warmer	Standard
Low- and minimal flow setting support	Visual filling level of bag; Econometer; Low flow wizard; Vapor View; FiO2 prediction

Ventilation Modes

Man/Spon	✓
CPAP in Man/Spon	✓
Volume Controlled (VC)	✓
VC Synchronized + PS	✓
Pressure Controlled (PC)	✓
PC Synchronized + PS	✓
Pressure Support	✓
Volume Controlled AutoFlow	✓
APRV	✓

Features

Screen Display	15.3" touch-screen with storable view and profiles
Vaporizers capability	up to 3
Device self test	Timer-based fully automatic self test
LOOPS (p/V-loop and flow/V-loop)	Yes
Smart Pilot View	Yes
Patient gas module	in/ex O2, N2O, CO2, Agent

Technical Data

Device versions	Trolley version, ceiling version
Breathing system	integrated anesthetic gas monitoring
Fresh-gas mixer	electronic mixer or mech. mixer with digital read-out (by setting values)
Gases	O2, Air, optional N2O
RFID Technology	✓
Serial interfaces	1x Ethernet, 1x USB, 2x RS232

Safety Concept

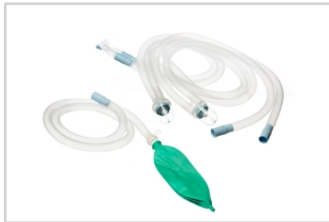
Emergency ventilation in case of total gas supply failure	✓
Typical battery run-time in case of power supply failure	150 min
Emergency start-up procedure	✓

Accessories



Anaesthesia Masks

- Disposable masks with teardrop or round shape for anatomical fit.
- Non-slip ridges and flexible body for easy grip.
- Available in scented versions for patient comfort.
- Sizes range from infants to adults, BPA and PVC-free.



Breathing Circuits

- Disposable circuits designed for single-patient use to prevent cross-contamination.
- Available in adult, pediatric, and neonatal sizes.
- Made from biocompatible, PVC-free materials.
- Includes flexible, coaxial, and heated circuit options.



CareStar® Plus Electrostatic Filters

- High-performing electrostatic filtration medium.
- Protects against microorganisms in inspired and exhaled air.
- Cost-efficient solution for infection control.
- Suitable for OR, ICU, and other settings.



Dräger Vapor 3000 and D-Vapor 3000

- Delivers precise agent delivery, safety, robustness, quality, and durability
- Compatible with Perseus A500, contributing to improved workflow efficiency



Drägersorb 800+

- Uniform CO₂ absorption with minimal dust generation.
- Compatible with all halogenated inhalation anesthetic agents.
- Color change indicator for Easy replacement.



SafeStar® Plus Mechanical Filters

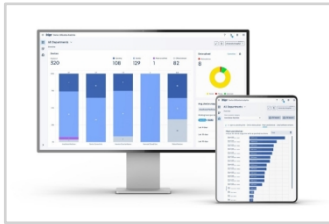
- Hydrophobic filter membrane prevents fluid passage.
- High bacterial and viral filtration efficiency.
- Reduces risk of cross-infection during mechanical ventilation.
- Suitable for OR, ICU, and other settings.



TwinStar® Plus Filter/HME

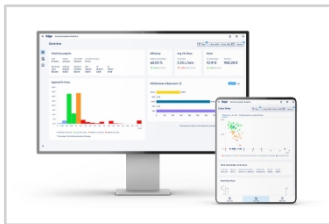
- High-performing filters for humidification and infection control.
- Electrostatic and mechanical options available.
- TwinStar Plus combines filter and HME benefits.
- Suitable for OR, ICU, and other mechanical ventilation settings.

Software



Dräger Device Utilization Analytics

- Improves fleet management capabilities
- Enhances security, performance, and uptime of networked devices
- Provides insights into most and least used devices
- Supports balancing device usage for long life and performance
- Enables benchmarking of device performance over time



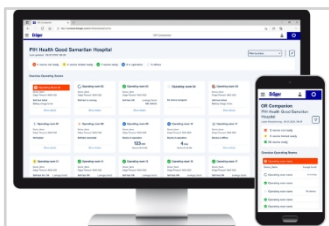
Dräger Gas Consumption Analytics

- Assists to reduce consumption of volatile anaesthetics
- Provides clinical, environmental and economical insights from agent consumption
- Creates transparency on consumption uptake, efficiency and costs
- Supports to implement patient-protecting low and minimal-flow practices



Dräger Lung Protective Ventilation Analytics – Anaesthesia

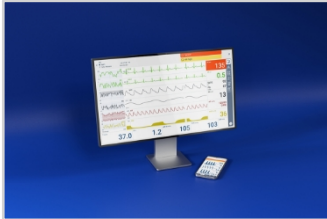
- Enables improvement in patient ventilation therapy during anaesthesia
- Provides insights into ventilation quality indicators
- Assists with the consistent implementation of low- and minimal-flow practices
- Supports benchmarking of ventilation performance over time



Dräger OR Companion

- Provides workflow support for managing operating rooms
- Displays status of connected Dräger anaesthesia machines
- Streamlines the daily device check process with system test insights
- Documents system test history for compliance with guidelines
- Delivers troubleshooting support for system test failures

Connective Products



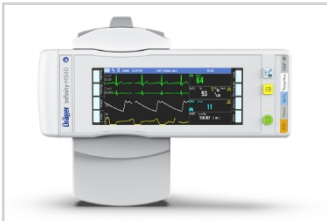
Dräger Mobile Patient Watch Pro

- Provides location-independent access to clinical patient information
- Enables remote patient status checks including alarm indicators
- Supports patient care and alarm management workflows
- Increases data accessibility from mobile phones, tablets or desktop PCs



Infinity® Acute Care System

- C500 and C700 integrates physiological monitoring with a medical-grade workstation for real-time vital signs and clinical data management.
- Customize monitoring display based on your department and patient acuity
- Access your hospital web-based clinical applications using configurable tabs without obscuring active monitoring
- Communication-ready with Dräger ventilators, Dräger anesthesia



Infinity® M540

- Designed for intra-hospital transport and the flexibility for advanced critical care
- Single handed undocking and docking helps to ensure fast transport to Pick and Go
- Stores up to 72 hours of trends and events, accessible upon docking. Storage expands to 96 hours with the C500 or C700.
- When using during transport with integrated measurements, M540 can operate up to 4 hours in screen saver mode



The Vista 120 Portfolio

- 15" TFT touchscreen with configurable layout displaying up to 13 waveforms.
- Numeric values include ECG, SpO2, NIBP, respiration, and dual temperature.
- Stores up to 150 hours of trend data and 1,200 NIBP measurements.
- Seamless connectivity with Dräger therapy devices for integrated workstation functionality.
- Compatible with the Vista Patient Monitoring System



Vista 300

- 15" TFT touchscreen with high resolution for clear visibility.
- Configurable layout displaying up to 13 waveforms.
- Numeric values include Hear Rate, SpO2, NIBP, respiration, and dual temperature.
- Seamless connectivity with Dräger devices for integrated workstation functionality.
- Compatible with the Vista Patient Monitoring System

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