Dräger Perseus® A500
Anaesthesia Workstations

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.

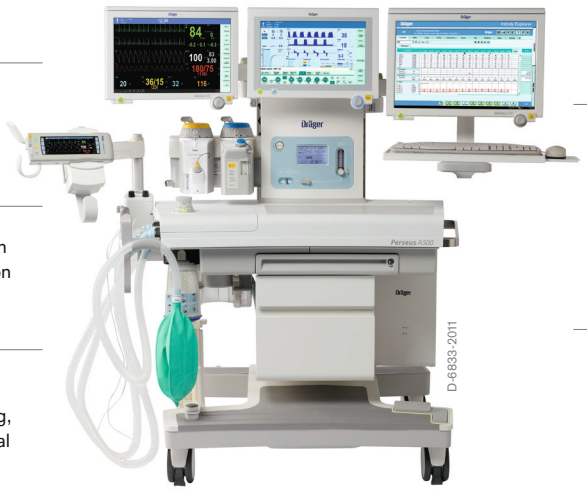
Color touch screens with our standardized user interface for reduced training measures and human errors

Mobile patient monitoring that travels with patient for continuous surveillance

Improved workplace illumination for better legibility and operation in dark environments

Hooks and brackets for hose and cable guidance and seating, drawers, and shelves for optimal storage of important material

Perseus A500 workstation incl. IACS patient monitoring, C700 for IT and other additional products and options



Various mounting spots and rails for customized placement of monitoring, IT Hardware, IV pumps, and additional shelves

Additional LCD system control field for display of gas and power status as well as airway pressure

Large working surface for doing paperwork in comfort and for storing materials

High-performance breathing system and ventilator optimized for minimal flow and ICU quality ventilation

Dräger. Technology for Life®

Benefits

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 venitlators 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.

System components

D-7420-2011

Dräger Vapor® 3000 / D-Vapor® 3000

So much more than just a container for volatile agents, the new Vapor® 3000 series is now even better, especially in dark environments. In combination with the Perseus® A500 anaesthesia workstation, it can even help you monitor and plan your anaesthesia for improved efficiency.

D-19739-2009

Infinity® Acute Care System

In acute care environments, patient care has become increasingly complex. There is a growing need among clinicians for systems that are both easy to use and are aligned with hospital workflow. Dräger created the Infinity® Acute Care System monitoring solution to meet the needs of all care areas – both at the bedside and while on transport.

MT-8848-2006

Infinity® Delta XL

With a 12.2" (310 mm) color screen, the Delta XL monitor can continuously monitor patients both at the bedside and on transport – thus eliminating the need for separate transport monitors. Supports all patient types and acuity levels hospital-wide.

D-9439-2009

SmartPilot® View

Take advantage of state-of-the-art modelling technology and a comprehensive integrated data base to predict, visualize and regulate effective analgesic and hypnotic drug concentrations during anaesthesia.

Accessories

D-14586-2009

Infinity® ID-Accessories

Each and every Infinity® ID-accessory has been designed to offer additional functionality, which can help you simplify routine tasks, streamline workflow and increase safety levels.

D-42848-2012

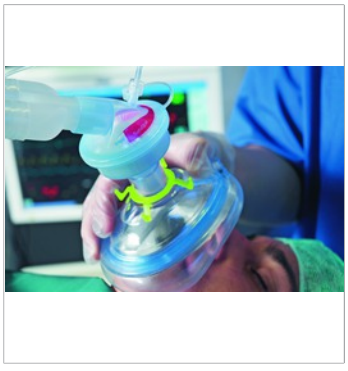
WaterLock® 2

Perfect protection for precise gas measurement. Dräger WaterLock® 2 safely stops water from getting into the Multi-Gas Sensor. The membrane technology developed by Dräger for the WaterLock® 2 stops any bacteria or germs from getting into the gas measurement system. The WaterLock® 2 is also safe and simple to empty – with a further advantage in handling and hygiene.

MT-2002-2008

Drägersorb® Soda Lime

High safety [1, 2] and CO_2 absorption capacity. Soda lime is essential for CO_2 absorption in inhalation anaesthesia machines with rebreathing systems. Yet conventional soda lime can produce Compound A and carbon monoxide.



MT-2909-2008

Breathing Systems and Accessories

Bringing indispensable experience to disposable convenience.

Related Products

D-64716-2012

Zeus® Infinity® Empowered

Combine the complete spectrum of ventilation therapy with unparalleled monitoring, automation, workflow and information management technology with Dräger's most advanced anaesthesia workstation.

D-412-2014

Primus Infinity® Empowered

Take performance, reliability, workflow and information management to the next level with one of the most advanced integrated anaesthesia solutions on the market today.

D-8103-2009

Primus®

Step up to the high standard of anaesthesia workstations and experience new levels of performance, efficiency and safety.

Technical Data

Operational characteristics

Weight	150 kg (335 lbs), basic equipment
Dimensions (H x W x D)	148 cm x 115 cm x 79 cm (58.3 in x 45,2 in x 31.1 in)
Power consumption	70 W, typical; max. 2.2 kW with aux power sockets in use
Electrical mains connection (w/o isolation transformer)	100 – 240 V~ 50/60 Hz
Electrical mains connection (w isolation transformer)	100 – 127 V~ 50/60 Hz or 200 – 240 V~ 50/60 Hz
Maximum power consumption	12 A
Integrated battery backup time	30 minutes minimum, 150 minutes typical (new and fully charged battery)
Data interfaces	2 x RS 232 (MEDIBUS protocol), 1 x USB, 1 x LAN
Integrated power sockets	4 x country specific (w isolation transformer) or 4 x IEC
Latex	Contains no latex-containing components
Storage surfaces and drawers	(optional) Pull-out writing tray incl. lockable drawer
Drawer module	(optional) 2 drawers incl. one lockable drawer

Ambient conditions

Temperature	10 to 40 °C (50 to 104 °F)
Air pressure	620 to 1060 hPa (9.0 to 15.3 psi) Equivalent to 4.000 meter height

Fresh-gas delivery – electronic mixer

Fresh-gas flow	Off; 0.2 to 15 l/min
O_2-concentration	21 to 100 % in Air, 25 to 100 % (in N_2O)
O_2-flush	25 to 75 l/min at 2.7 to 6.9 bar gas supply pressure
O_2-flow for auxiliary and additional oxygen	Off; 2 to 10 l/min

Ventilator TurboVent2 (electrically driven and electronically controlled turbo ventilator)

Standard modes of ventilation	– Manual/Spontaneous (MAN/SPON) – Pressure controlled: time-cycled (PC-CMV), synchronised (PC-BIPAP), – Volume controlled: time-cycled (VC-CMV), time-cycled AutoFlow (VC-CMV/AF), synchronised AutoFlow (VC-SIMV/AF)
Optional modes of ventilation	– Pressure Support (CPAP/Pressure Support), selectable Pressure support for pressure controlled ventilation (PC-BIPAP/PS) and for Autoflow (VC-SIMV/AF/PS), selectable CPAP for Manual/Spontaneous – Airway Pressure Release Ventilation (PC-APRV) – External fresh gas outlet (optional)
Patient demographics	Neonates, pediatric patients, adults
Tidal volume	20 to 2.000 ml
Inspiratory pressure PINSP	3 to 80 hPa / mbar / cmH_2O
Pressure limitation PMAX	7 to 80 hPa / mbar / cmH_2O
Pressure support over PEEP	0 to 78 hPa / mbar / cmH_2O
Respiratory rate	3 to 100/min
Inspiratory time	0.2 to 10 s
Inspiratory flow	0 to 180 l/min

Technical Data

PEEP/CPAP	Off, 2 to 35 hPa / mbar / cmH_2O

Measurement systems, displays and further functionality

- 15,3“ (38,9 cm) touch screen, configurable user interface, intelligent alarm management incl. comprehensive help database
- Minute volume (MV) and tidal volume (VT); respiratory rate (RR); peak inspiratory pressure (PIP), plateau pressure (Pplat), mean airway pressure (Pmean), PEEP; compliance (C), resistance (R)
- Integrated gas bench for measuring inspiratory and expiratory gas concentrations of O_2, N_2O, CO_2 and anaesthetic agents (automatic detection of Halothane, Enflurane, Isoflurane, Sevoflurane and Desflurane); age corrected display of xMAC values; optional prediction of anaesthetic agent concentrations, optional prediction of inspiratory O_2 concentrations
- Simultaneous display of 3 real-time curves for CO_2, O_2 and anaesthetic agent concentrations, airway pressure, inspiratory and exspiratory flow
- Bar graph display of volume and tidal volume; virtual flow tubes for O_2, AIR, N_2O
- Simultaneous display of 2 loops: Volume-Pressure and Flow-Volume, reference loop
- Graphical or tabular display of trends and mini-trends simultaneous with real time curves
- Econometer to display fresh gas efficiency (econometer trend display optional)
- Fresh gas and anaesthetic agent consumption measurement per case and per last zeroing
- AutoSet for alarm limits
- Device Status Panel with LC Display for display of airway pressure, supply status of battery and gases (CGS + cylinders)
- Dosing of O_2 and anaesthetic agents during MAN/SPON ventilation possible, even when device is switched off
- Programmable, time-based fully automatic start-up and self test of device and software
- Integrated, dimmable illumination of working and documentation surfaces, illuminated vaporizers (optional)
- Heated breathing system, tool-free exchangeability
- Central brake, smooth running castors with cable deflectors
- Autoclaveable ventilator

Notes

90 66 980 | 15-04-4 | Communications & Sales Marketing | PP | LE | Printed in Germany | Chlorine-free – environmentally compatible | Subject to modifications |

CORPORATE HEADQUARTERS
Drägerwerk AG & Co. KGaA
Moislinger Allee 53–55
23558 Lübeck, Germany
www.draeger.com

Manufacturer:
Dräger Medical GmbH
Moislinger Allee 53-55
23558 Lübeck, Germany

As of August 2015

Dräger Medical GmbH changes to Drägerwerk AG & Co. KGaA

Locate your Regional Sales Representative at: www.draeger.com/contact

REGION EUROPE CENTRAL AND EUROPE NORTH
Dräger Medical GmbH
Moislinger Allee 53-55
23558 Lübeck, Germany
Tel +49 451 882 0
Fax +49 451 882 2080
info@draeger.com

REGION EUROPE SOUTH
Dräger Médical S.A.S.
Parc de Haute Technologie
d'Antony 2
25, rue Georges Besse
92182 Antony Cedex, France
Tel +33 1 46 11 56 00
Fax +33 1 40 96 97 20
dlmfr-contact@draeger.com

REGION MIDDLE EAST, AFRICA
Dräger Medical GmbH
Branch Office
P.O. Box 505108
Dubai, United Arab Emirates
Tel +971 4 4294 600
Fax +971 4 4294 699
contactuae@draeger.com

REGION ASIA / PACIFIC
Draeger Medical
South East Asia Pte Ltd.
25 International Business Park
#04-27/29 German Centre
Singapore 609916, Singapore
Tel +65 6572 4388
Fax +65 6572 4399
asia.pacific@draeger.com

REGION CENTRAL AND SOUTH AMERICA
Dräger Panama Comercial
S. de R.L.
Complejo Business Park,
V tower, 10th floor
Panama City
Tel +507 377 9100
Fax +507 377 9130
contactcsa@draeger.com