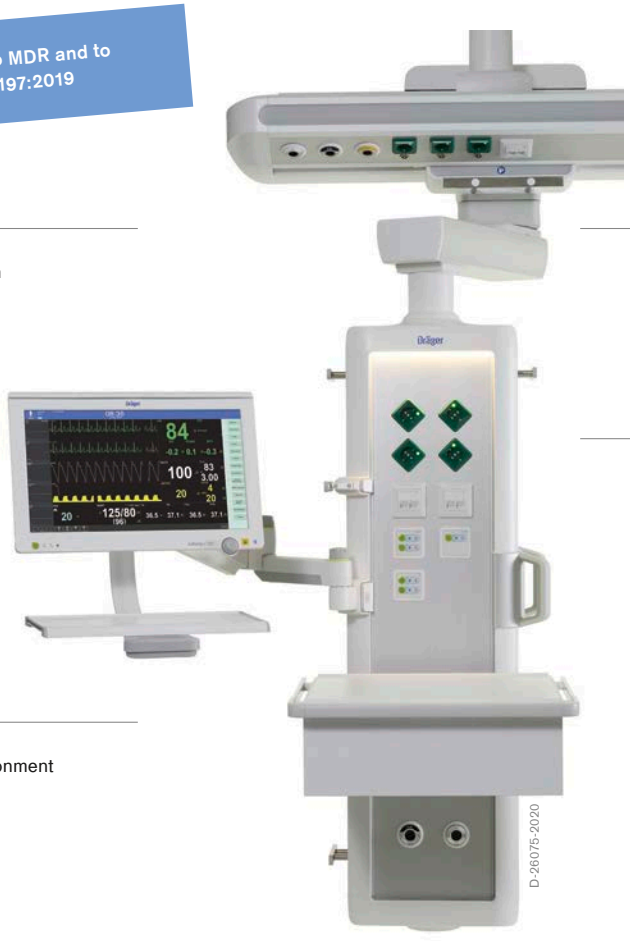
Ponta®
Medical Supply Units

Maintaining a very high standard of care includes having an excellently designed level of care-centred workplace design. Ponta® beam systems allows you to have flexible access to the patient as well as provide the highest ergonomics for your staff. Ponta® not only meets nursing requirements in an intensive care unit, it can also be used in neonatal units or recovery rooms. Its numerous accessories and wide range of variations make the Ponta® particularly flexible.

Conform to MDR and to ISO 11197:2019



Workplace customisation

User-friendly ergonomics

Effective infection prevention

Healing supportive environment

Dräger. Technology for Life®

Benefits

The Ponta beam system

The Ponta beam system from Dräger offers numerous possibilities to adapt your workstation to your individual requirements. In addition to different beam lengths, there are various media columns and heads to choose from. A wide range of workstation components allows you to position your medical equipment exactly where it's needed.

Workplace customisation

The design of a facility/structure with its fixed and moveable components can have a significant impact on human performance, especially the health and safety of staff, patients, and families.[1]

Both the healing process of your patients and the satisfaction of your staff can be positively influenced by a holistically planned workplace. That's why our planning approach to medical workstation design always considers the needs of both patients and caregivers. Ponta's wide range of individually configurable workstations provides you with the ideal support for your therapies. Its modular approach ensures that the Ponta will also meet future requirements.

By combining up to four beams (available in four lengths) in a row, you can optimally design the workplace according to available space and care situation. Three different versions of workstation shuttles can be selected:

- Workstation Type C with equipment rack or pole allows you:
  - to position medical devices anywhere along the beam length on the shuttles with equipment poles and racks
  - to integrate outlets for gases, electricity and low current along the beam length
  - a load capacity up to 130 kg (286.60 lb)

- Workstation Type E plus comes with media columns or media heads and optionally with equipment rack or pole. It features:
  - flexible mounting of your medical equipment on all four sides of the columns and heads thanks to its versatile frame rails
  - more outlets on one media column or head due to the free positioning of electrical and gas outlets without predefined grids
  - an integrated bulkhead in the column which safely places gas and electrical outlets next to each other.
  - an additional media supply that can be integrated into the beam, e.g., for unscheduled use of medical equipment
  - a pneumatic or an electromagnetic brake to prevent unintentional movement of the workstations below the beam
  - friction brakes as standard, which prevent rotational movements of either head or column. DualBrake P or DualBrake E (pneumatic or electromagnetic brake options) can be added to shuttles, media heads, or media columns
  - a load capacity up to 120 kg (264.55 lb)

Benefits

- Workstation Type S plus comes with media columns or heads on swivel arms and optionally with equipment racks or poles. You benefit from:
  - maximum positioning flexibility thanks to its pivoting arm that allows you to position the workstation at the side or head of the bed
  - free positioning of electrical and gas outlets without predefined grids, giving you the possibility to place more outlets on one media column or head. A safety distance of 200 mm is necessary when placing gas and electrical outlets next to each other.
  - ensured safety when placing gas and electrical outlets next to each other due to the integrated bulkhead in the column
  - optimal use of space when mounting medical equipment on all four frame rails
  - additional supply of media, which can be conveniently integrated into the beam, e.g. for unscheduled use of medical equipment
  - a pneumatic or electromagnetic brake, preventing unintentional displacement
  - a standardised friction brake which prevents rotational movements of either head or column. DualBrake P or DualBrake E (pneumatic or electromagnetic brake options) can be added to shuttles, media heads, or media columns
  - a load capacity of up to 100 kg (220.46 lb)

1. Hughes RG, editor. Patient Safety and Quality: An Evidence-Based Handbook for Nurses. Rockville (MD): Agency for Healthcare Research and Quality (US); 2008 Apr. Available from: https://www.ncbi.nlm.nih.gov/books/NBK2651/ John Reiling, Ronda G. Hughes, Mike R. Murphy; Chapter 28. The Impact of Facility Design on Patient Safety

Healing supportive environment

Stress experienced by patients has a direct negative impact on many other health care outcomes.[2]

With Ponta, you create a pleasant atmosphere in your patient room in which not only your patients feel comfortable, but also your staff. Due to many colour options, Ponta fits ideally into your room design. We believe in supporting you with an optimum architectural design that focuses on faster healing and simplicity of use. With the Ponta beam system, you choose:

- from a variety of colours and decors for media columns and heads, including modern and appealing accents for every patient room
- harmoniously combined wood decors and design elements for drawers that fit any room concept
- the amount of daylight for rooms insufficiently lit using the Dräger Circadian Illumination System (CIS). It not only optimises natural light but promotes patient well-being at the same time
- different lighting options in both media heads and columns depending on the respective care therapy. With a simple swipe gesture, it is easily switched on or off
  - lighting options include a warm and glare-free indirect ceiling and floor light for staff orientation. In the RGB light version, it creates a soothing or a stimulant therapy atmosphere
  - the working light in the frame of the media column enables documentation work during the night without disturbing the patient

Benefits

– where to position medical equipment optimally, by using the four corner frame rails, e.g. attaching the suction unit at the rear of the supply unit, so that it is out of the patient's field of view

2. Ulrich R S, et. al; A Review of the Research Literature on Evidence-Based Healthcare Design. Article in HERD · April 2008
DOI: 10.1177/193758670800100306 · Source: PubMed

User-friendly ergonomics

Good ergonomics leads to improved performance and productivity. Research over the past 25 years shows an average 12% increase in performance when a comprehensive approach to workplace ergonomics is applied.[3]

Efficient and stringent workplace and equipment design can help ensure optimal patient care. A clearly structured and ergonomic workplace can minimise operating errors, improve clinical outcomes and facilitate the daily work of your staff. The Ponta system is intended to maximise patient comfort and ease of use, this is why you can:

– quickly adapt the Ponta to any changing situation by simply moving the workstations under the beam using the shuttles (free access to the patient's head at all times)
– maximise positioning flexibility using its pivoting arm, which allows the workstation to be positioned at the side or head of the patient's bed
– easily and intuitively position the supply unit thanks to sensor-equipped handles (touch-sensitivity concept), which enable rapid response in critical situations
– immediately reposition the supply unit by simply grasping a single handle to release all brakes of the support arm system
– individually adapt the handles with a few simple steps for specific work processes on site

3. Tim Springer, Ph.D. President HERO, Inc.; Knoll: Ergonomics for the Healthcare Environment

Benefits

Effective infection prevention

Did you know that 20 to 30 % of nosocomial infections could be prevented by appropriate hygiene measures?[4]

Breaking the chain of contamination is an important step in preventing nosocomial infections. Ponta supports easy and effective cleaning due to its rounded profiles, smooth materials and closed housings. Reprocessing instructions and a wide range of disposable accessories help minimise the risk of infections. For you this means:

- easy and effective cleaning thanks to its rounded profiles, smooth materials, and closed housings which prevent the accumulation of disinfectants
- reducing complexity as only one disinfectant is needed for the entire workplace (from our list of validated agents)
- a simplified cleaning process and a well-organised, tidy workplace thanks to various cable management solutions
- touchless control of working, ceiling and floor lighting

4. Gastmeier P et al., How many nosocomial infections are avoidable? Deutsche Medizinische Wochenschrift 2010; 135(03): 91 – 93

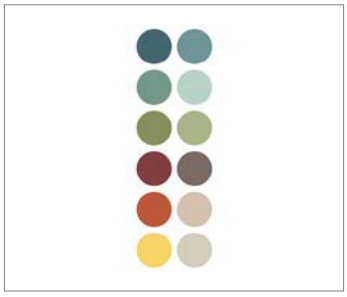
Details

D-26022-2020

Different colours, wood decors and design elements for drawers to complement any room concept and can be harmoniously combined with each other.

D-43521-2021

The colours, wood decors and design elements of the drawers can be stylishly combined with the media columns and heads.



D-43519-2021

We offer a colour selection from 13 RAL colours when designing the frame rails for the media columns and heads. On request, other colors can also be realised (after prior consultation).

D-45193-2021

Full flexibility and adaptability: example of a media head.

System components

D-26075-2020

Workstation Type S plus

The Type S plus workstation has maximum flexibility when positioning the workstation due to the additional swivel arm. The workstation can thus be positioned at the side or at the head of the bed. The outlets for the gas, electrical and low current supplies are ergonomically placed in the media columns and heads. If required, further outlets can be accommodated in the beam.

D-26072-2020

Workstation Type E plus

The E plus type workstation provides a comfortable, ergonomic positioning height of the outlets for gas, electric and low current supply in the column or in the head. If required, further outlets can be accommodated in the beam.

D-27740-2009

Workstation Type C

The type C workstations are designed for ideal space utilisation. The equipment carriers with shuttle, support tubes and, if necessary, crossbeam have a very slim design. Outlets for gas, electric and low current supply can be accommodated in the beam.

Accessories

D-26078-2020

Shelves and storage

Optional drawer elements can be installed under the work surfaces. The damped self-closing mechanism eliminates annoying noises. Optional drawer lighting is automatically activated when the drawer is opened. High scalability of the drawers, intuitive operation and the individual design with its variety of colours, wood decors and design themes create a pleasant and friendly environment.

D-26031-2020

Cable Management System

A wide range of cable management systems for workstation components, optionally on the media columns or equipment bars, ensures a well-organized and tidy workplace, thereby improving workflows and the cleaning process. The different cable management systems meet the needs of surgeons, anaesthesiologists, nursing and cleaning staff alike.

D-26021-2020

Mounting system

Optimum use of space and clarity are achieved by the possibility of mounting medical devices on all four sides of the media column. Rarely used devices can be mounted on the side or rear of the media column, for example.

D-26081-2020

Single workstation components

We offer numerous additional individual components for organising the medical workstation, e.g., small equipment bars, storage surfaces, standard rails and holders. In this way, you can not only structure your necessary medical equipment, but also create an easy-to-clean and clear workplace.

Related products

D-26017-2020

Ambia®

Ensuring very high standards in acute care requires excellent design of the nursing workstation. The Ambia ceiling supply unit offers a wide variety of horizontal and vertical positioning options for your acute care workstation.

MT-0799-2008

Gemina®DUO

Whether emergency room, recovery room or intensive care unit – the GeminaDUO wall supply unit is well equipped to supply even two intensive care beds: This is ensured by up to 56 sockets and a 38 mm tube with a maximum load of 150 kg.

D-19677-2015

Linea®

The Linea N, IM and I wall supply units are each adapted to their intended use: whether normal care (N), intermediate care (IM) or intensive care (I). The wide range of configuration options for power, IT and gas sockets as well as the length and number of equipment rows offer a great deal of variability.

Technical Data

Classification	
Protection class according to the IEC 60601-1 standard	Protection class I
Standards complied with	IEC 60601-1:2005 + A1:2012
	IEC 60601-1-2:2014
	ISO 11197:2019
Classification according to (EU) 2017/745	Class II b
UMDNS-Code (Universal Medical Device Nomenclature System)	18-046

Ceiling mounting	
Ceiling mounting	With heavy-duty anchors to the structural ceiling with ceiling tubes. Variable clear height can be designed according to individual requirements.
Recommended headroom below supply beam	Ponta C: 1800 mm (70.87 in) to 2000 mm (78.74 in) Ponta ES: 2100 mm (82.68 in) to 2350 mm (92.52 in)

Ceiling tubes	
Length ceiling tubes	1000, 1500, 2000 mm (can be shortened as required)
Diameter ceiling tube	110 mm (4.33 in)
Load capacity ceiling tube	250 kg (551.15 lb)

Supply beam	
Length supply beam	2200 mm (86.61 in), 2800 mm (110.24 in), 3100 mm (122.05 in), 3500 mm (137.80 in) (other lengths upon request)
Width supply beam	588 mm (23.15 in)
Height supply beam	212 mm (8.35 in) (C), 253 mm (9.96 in) (ES plus)
Weight supply beam	Ponta C 28 kg/m (61.73 lb/39.37 in) Ponta ES plus 46 kg/m (68.34 lb/39.37 in)

Notes

Notes

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