

Ceiling Supply Systems for Operating Theatres and Intensive Care Units

The Ceiling Supply System of Pneumatik Berlin contains a wide-ranging variety of components for electricity and gas supply of operation theatres and intensive care units.

The Ceiling Supply System of Pneumatik Berlin is available in numerous types and configurations to ensure optimum supply of power and gas with minimum space requirements.

Installation of ceiling pendants meets all demands on accident prevention and occupational hygiene.

- No risk of tripping over cables and tubes lying on the floor
- No obstacles to mobile operating tables, instrument tables and other mobile devices
- The risk of contamination is reduced by invisible, encapsulated installation of cables and fittings up to the area of the operating table or place of medical treatment

First-class product quality and lowest possible maintenance are characteristics of all modules of the ceiling supply system of Pneumatik Berlin.

PNEUMATIK BERLIN GmbH PTM has established and is maintaining a quality system which meets the requirements of DIN EN ISO 13485:2003. The products of Pneumatik Berlin are corresponding to the Essential Requirements (Ers) of the European Community Medical Devices Directive (MDD).

CEILING SUPPLY SYSTEMS



Customized Integrated Solutions
Functional and Strong
Modularly Extendable
Worldwide Established



Motor Arm Type 203 Octagon



Heavy Load Type 463-10



Tandem Type 291-23

Ceiling Pendants in Modular Design

THE MODULES

1. Ceiling Cover

Split design made of aluminum, easy to dismantle, dimensions: 480 x 480 x 75 mm or 590 x 590 x 75 mm.

2. Horizontal Swivel Arm

Normal load as well as heavy load versions available with single or double horizontal swivel arm. Rectangular aluminum tube with pivot bearing (ball bearing) 195 mm in diameter and ceiling flange. Spacer tube in additional pivot bearing mounted to the front part of the horizontal swivel arm to adapt the ceiling pendants to the height of the operating theatre. The movement of the pivot bearings is controlled by a friction brake or pneumatic brakes. Mounting and inspection openings are provided on each end of the arm. The horizontal swivel arm can either carry an additional vertical swivel arm or the medium column.

3. Vertical Swivel Arm

Consists of one front and rear storage box each as well as upper and lower U-shaped trays. Vertical adjustment by means of an A. C. gear motor. Permissible load without readjustment: 0-100 kg. Control buttons located in the handle of the instrument carrier platform. Limit switch for upper and lower positions of swivel arm.

4. Medium Column

Side panels made of extruded aluminum section with hinged mounting plate made of sheet steel to accommodate plug-in connectors for medical gases. Medium column of 500 mm can be equipped with up to 12 outlets for medical gases or 8 outlets

and 4 manometers, 1 outlet for surgical compressed air and 1 outlet for gas evacuation. Installation in accordance with local regulations. The medium column is also available in lengths from 600 mm up to 1400 mm. Drip stands for fluid administration and further accessories are available on request. Furthermore it is possible to integrate a docking and lifting mechanism for anesthesia machines.

5. High-Voltage Box

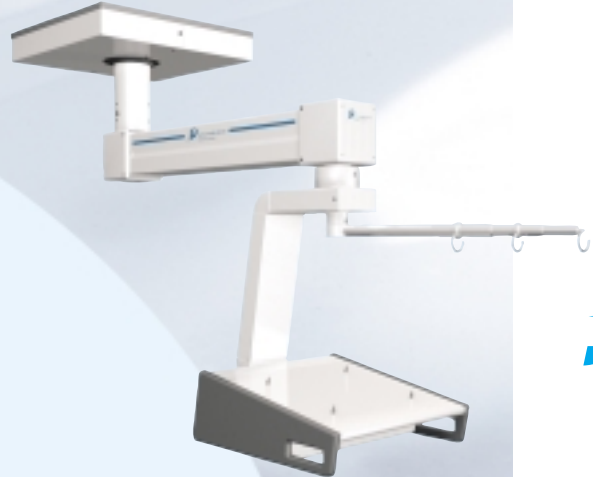
Sheet steel enclosure for mounting at the medium column. Standard fittings depending on make:
6 main socket-outlets green (SV)
2 main socket-outlets orange (ZSV)
8 equipotential bonding pins
Other configurations possible.

6. Low-Voltage Box

Sheet steel enclosure for mounting on the medium column. Designed for the installation of plug-in connection for data processing, nurse call, telephone connection, operating table control etc.

7. Instrument Carrier Platform

Consisting of sheet steel with standard profile rails 10 x 25 mm on three sides. The instrument carrier platform is securely attached to the medium column. Keyboard trays, drawers and vertically adjustable instrument carrier platforms are available on request.



Light Load Type 225-01



Light Load Type 228-04



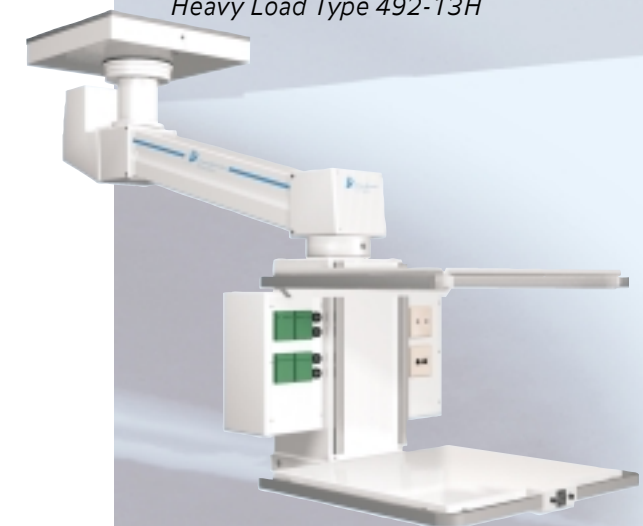
Normal Load Type 291-01



Normal Load Type 292-05



Heavy Load Type 492-13H



Motor Arm Type 362-02