

# CEILING SUPPLY UNITS System Catalog



Pneumatik Berlin GmbH PTM

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Made in Germany



Planning Documentation



# **Light Load Systems**



### Pneumatik Berlin GmbH PTM

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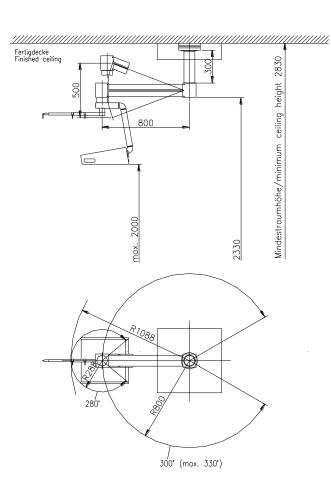
### **Planning Documentation**

### Туре 225-01

### **Technical Specifications**

- Rotation Range: Vertical swivel arm Instrument Bracket:
- Swivel radius: Vertical swivel arm
- Height adjustment
- Payload:
- Load capacity (Arm):
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:

- 300° (max. 330°) 280°
- 800 mm 500 mm 25 kg 40 kg approx. 50 kg 485 Nm 480 x 480 x 150 mm RAL 9016, Traffic white
- The ceiling supply unit type 225-01 is a lightload system consisting of a rotatable spring arm with manual vertical height adjustment and an eccentrically aligned shelf module for HF surgery devices or other small scale medical equipment. The module itself can accommodate up to 4 terminal units for medical gases as well as a maximum of 4 power sockets and data connectors.





pneumatik berlin

medical systems

### Proposal

Make:	Pneumatik Berlin GmbH PTM
	4 x POAG
Electrical:	4 x Power sockets 230 V
	1 x Vacuum
	1x CO2
	1 x Air 5 bar
Med. Gases:	1 x Oxygen O2

Order-Nr.: TD 225-01 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**

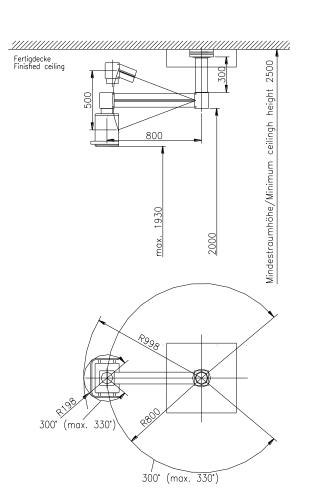
### Туре 225-02

### **Technical Specifications**

- Rotation Range: Vertical swivel arm Service Column:
- Swivel radius: Vertical swivel arm
- Height adjustment
- Payload:
- Load capacity (Arm):
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:

- 300° (max. 330°) 280° 800 mm
- 500 mm 500 kg 40 kg approx. 41 kg 470 Nm 480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling supply unit type 225-02 is a lightload system consisting of a rotatable spring arm with manual vertical height adjustment and a short service module with circumferential grip rail. The module itself can accommodate up to 4 terminal units for medical gases as well as a maximum of 4 power sockets and data connectors.





pneumatik berlin

medical systems

### Proposal

		_
Med. Gases:	2 x Oxygen O2	
	2 x Air 5 bar	
Electrical:	4 x Power sockets 230 V	
	4 x POAG	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 225-02 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**

### Туре 225-03

### **Technical Specifications**

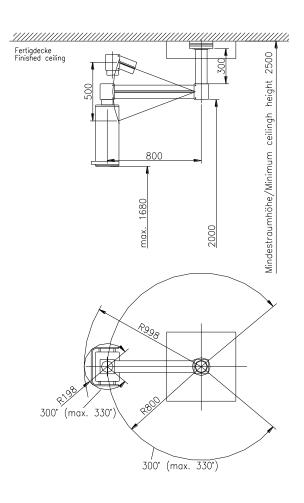
- Rotation Range: Vertical swivel arm Service Column:
- Swivel radius: Vertical swivel arm
- Height adjustment
- Payload:
- Load capacity (Arm):
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:

300° (max. 330°) 280°

800 mm 500 mm 25 kg 40 kg approx. 45 kg 470 Nm 480 x 480 x 150 mm

RAL 9016, Traffic white

The ceiling supply unit type 225-03 is a lightload system consisting of a rotatable spring arm with manual vertical height adjustment and a service column (500 mm) with circumferential grip rail. The module itself can accommodate up to 4 terminal units for medical gases as well as a maximum of 4 power sockets and data connectors..





### Proposal

FTOPOSal	
Med. Gases:	1 x Oxygen O2
	1 x Air 5 bar
	1x CO2
	1 x Vacuum
Electrical:	4 x Power sockets 230 V
	4 x POAG

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 225-03 CE 0123 compliant with MDD 93/42/EEC



### **Planning Documentation**

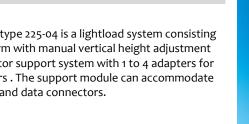
### Type 225-04

### **Technical Specifications**

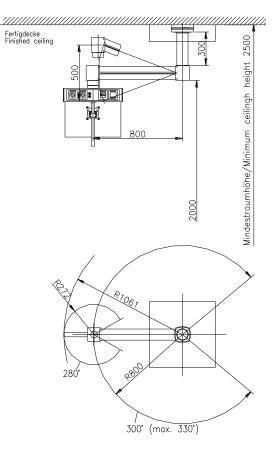
- Rotation Range: Vertical swivel arm Monitor Support:
- Swivel radius: Vertical swivel arm
- Height adjustment
- Payload:
- Load capacity (Arm): •
- Weight: •
- Max. torque: •
- Monitor Support: •
- Ceiling cover: •
- Colour:

- 300° (max. 330°) 280°
- 800 mm 500 mm 30 kg 40 kg approx. 43 kg 470 Nm
  - VESA 75/100
  - 480 x 480 x 150 mm
  - RAL 9016, Traffic white

The ceiling supply unit type 225-04 is a lightload system consisting of a rotatable spring arm with manual vertical height adjustment and an inclinable monitor support system with 1 to 4 adapters for TFT flat screen monitors . The support module can accommodate up to 2 power sockets and data connectors.







### Proposal (2 Monitors)

Electrical:	2 x Power sockets 230 V
	2 x POAG

Low Voltage:

2 x Data

Pneumatik Berlin GmbH PTM Make: Order-Nr.: TD 225-04 CE 0123 compliant with MDD 93/42/EEC



## **Planning Documentation**

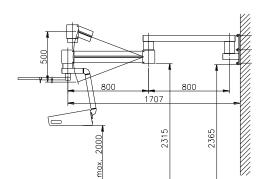


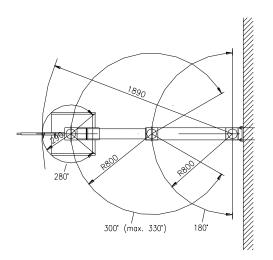
### Туре 226-01

Technical	Sp	ecifi	icati	ons

<ul> <li>Rotation Range: Horizontal swivel arm Vertical swivel arm Instrument bracket</li> <li>Swivel radius:</li> </ul>	180° 300° (max. 330°) 280°
<ul> <li>Horizontal swivel arm</li> <li>Vertical swivel arm</li> <li>Lift: 500 mm</li> </ul>	800 mm 800 mm
<ul> <li>Payload:</li> <li>Load capacity (Arm):</li> <li>Weight:</li> <li>Max. torque:</li> <li>Instrument platform:</li> <li>Colour:</li> </ul>	25 kg 40 kg approx. 68 kg 1065 Nm 390 x 410 mm RAL 9016, Traffic white

The wall-mounted supply unit type 226-01 is a lightload system consisting of a horizontal swivel arm and a rotatable spring arm with manual vertical height adjustment and an eccentrically aligned shelf module for HF surgery devices or other small scale medical equipment. The module itself can accommodate up to 4 terminal units for medical gases as well as a maximum of 4 power sockets and data connectors.







### Proposal

	4 x POAG			
Electrical:	4 x Power sockets 230 V			
	1 x Vacuum			
	1x CO2			
	1 x Air 5 bar			
Med. Gases:	1 x Oxygen O2			

Order-Nr.: TD 226-01 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



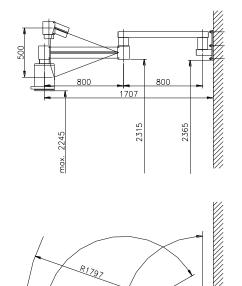
### Туре 226-02

Technical	Specif	ications

•	Rotation Range: Horizontal swivel arm Vertical swivel arm Service Column	180° 300° (max. 330°) 280°
•	Swivel radius:	
	Horizontal swivel arm	800 mm
	Vertical swivel arm	800 mm
٠	Lift:	500 mm
•	Payload:	30 kg
٠	Load capacity (Arm):	40 kg
•	Weight:	approx. 60 kg
٠	Max. torque:	1025 Nm
•	Colour:	RAL 9016, Traffic white

The wall-mounted supply unit type 226-02 is a lightload system consisting of a horizontal swivel arm and a rotatable spring arm with manual vertical height adjustment and a short service module with circumferential grip rail. The module itself can accommodate up to 4 terminal units for medical gases as well as a maximum of 4 power sockets and data connectors.





Proposal
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Med. Gases:	2 x Oxygen O2
	2 x Air 5 bar
Electrical:	4 x Power sockets 230 V
	4 x POAG

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 226-02 CE 0123 compliant with MDD 93/42/EEC

300° (max. 330°)

180

### **Planning Documentation**



### Туре 226-03

Technical	Sp	ecifi	icat	ions	5

•	Rotation Range:	
	Horizontal swivel arm	180°
	Vertical swivel arm	300° (max. 330'
	Service Column	280°
•	Swivel radius:	
	Horizontal swivel arm	800 mm
	Vertical swivel arm	800 mm

- Lift:
- Payload:
- Load capacity (Arm):
- Weight:
- Max. torque:
- Colour:

800 mm 800 mm 500 mm 27 kg 40 kg

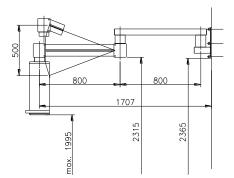
RAL 9016, Traffic white

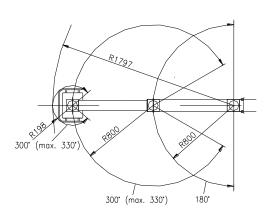
approx. 64 kg

1025 Nm

The wall-mounted supply unit type 226-03 is a lightload system consisting of a horizontal swivel arm and a rotatable spring arm with manual vertical height adjustment and a short service column (500 mm) with circumferential grip rail . The column itself can accommodate up to 4 terminal units for medical gases as well as a maximum of 4 power sockets and data connectors.







1 x Air 5 bar 1x CO2 1 x Vacuum Electrical: 4 x Power sockets 230 V 4 x POAG	Med. Gases:	1 x Oxygen O2
1 x Vacuum Electrical: 4 x Power sockets 230 V		1 x Air 5 bar
<b>lectrical:</b> 4 x Power sockets 230 V		1x CO2
······································		1 x Vacuum
4 x POAG	Electrical:	4 x Power sockets 230 V
		4 x POAG

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 226-03 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



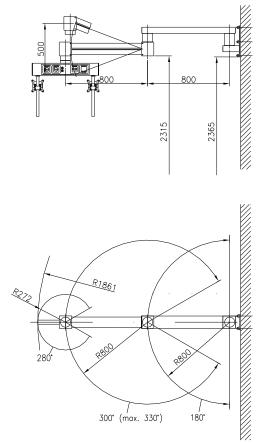
### Туре 226-04

Technical	Sp	ecifi	icati	ons

•	Rotation Range: Horizontal swivel arm Vertical swivel arm Monitor Support Swivel radius:	180° 300° (max. 330°) 280°
	Horizontal swivel arm	800 mm
	Vertical swivel arm	800 mm
•	Lift:	500 mm
•	Payload:	30 kg
•	Load capacity (Arm):	40 kg
•	Weight:	approx. 60 kg
•	Max. torque:	1030 Nm
•	Monitor Support:	VESA 75/100
•	Colour:	RAL 9016, Traffic white

The wall-mounted supply unit type 226-04 is a lightload system consisting of a horizontal swivel arm and a rotatable spring arm with manual vertical height adjustment and an inclinable monitor support system with 1 to 4 adapters for TFT flat screen monitors. The support module can accommodate up to 2 power sockets and data connectors.





### Proposal (2 Monitors)

Electrical:	2 x Power sockets 230 V
	2 x POAG

Low Voltage:

2 x Data

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 226-04 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



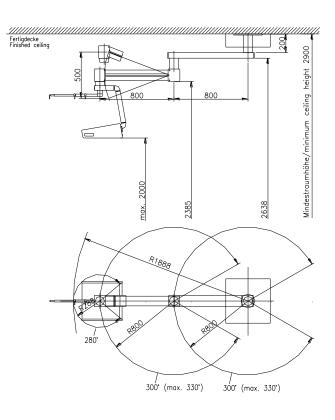
### Туре 228-01

<b>Technical</b>	Sp	ecifi	catic	ons

•	Rotation Range: Horizontal swivel arm Vertical swivel arm Instrument bracket Swivel radius:	180° 300° (max. 330°) 280°
	Horizontal swivel arm	800 mm
	Vertical swivel arm	800 mm
٠	Lift:	500 mm
•	Payload:	25 kg
•	Load capacity (Arm):	40 kg
٠	Weight:	approx. 68 kg
٠	Max. torque:	1065 Nm
٠	Instrument platform:	390 x 410 mm
٠	Ceiling cover:	480 x 480 x 150 mm
٠	Colour:	RAL 9016, Traffic white

The ceiling supply unit type 228-01 is a lightload system consisting of a horizontal swivel arm and a rotatable spring arm with manual vertical height adjustment and an eccentrically aligned shelf module for HF surgery devices or other small scale medical equipment. The module itself can accommodate up to 4 terminal units for medical gases as well as a maximum of 4 power sockets and data connectors.





Make:	Pneumatik Berlin GmbH PTM Order-Nr.: TD 228-01 3 compliant with MDD 93/42/EEC
	4 x POAG
Electrical:	4 x Power sockets 230 V
	1 x Vacuum
	1x CO2
	1 x Air 5 bar
Med. Gases:	1 x Oxygen O2

# **Planning Documentation**



### Туре 228-02

Technical	Sp	ecific	catio	ns

•	Rotation Range: Horizontal swivel arm Vertical swivel arm Service Column Swivel radius:	300° (max. 330°) 300° (max. 330°) 280°
•	Horizontal swivel arm	800 mm
	Vertical swivel arm	800 mm
•	Lift:	500 mm
•	Payload:	30 kg
•	Load capacity (Arm):	40 kg
•	Weight:	approx. 60 kg
•	Max. torque:	1025 Nm
	Calling at a survey	

- Ceiling cover:
- Colour:
- 480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling supply unit type 228-02 is a lightload system consisting of a horizontal swivel arm and a rotatable spring arm with manual vertical height adjustment and a short service module with circumferential grip rail. The module itself can accommodate up to 4 terminal units for medical gases as well as a maximum of 4 power sockets and data connectors.



# Perigdecke Frished ceiling

Proposal		
	<b>6</b>	

Med. Gases:	2 x Oxygen O2
	2 x Air 5 bar
Electrical:	4 x Power sockets 230 V
	4 x POAG

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 228-02 CE 0123 compliant with MDD 93/42/EEC

# **Planning Documentation**



### Туре 228-03

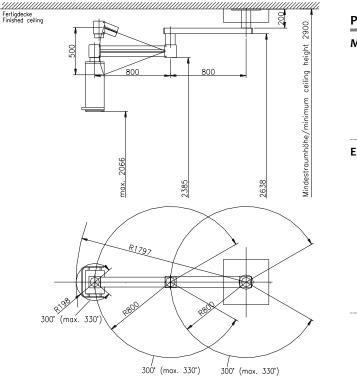
Technical	Sp	ecifi	icati	ons

•	Rotation Range: Horizontal swivel arm Vertical swivel arm Service Column	300° (max. 330°) 300° (max. 330°) 280°
•	Swivel radius:	
	Horizontal swivel arm	800 mm
	Vertical swivel arm	800 mm
•	Lift:	500 mm
•	Payload:	27 kg

- Load capacity (Arm):
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:
- 27 kg 40 kg approx. 64 kg 1025 Nm
- 480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling supply unit type 228-03 is a lightload system consisting of a horizontal swivel arm and a rotatable spring arm with manual vertical height adjustment and a short service column (500 mm) with circumferential grip rail. The column itself can accommodate up to 4 terminal units for medical gases as well as a maximum of 4 power sockets and data connectors.





Proposal Med. Gases:	1 x Oxygen O2
	1 x Air 5 bar
	1x CO2
	1 x Vacuum
Electrical:	4 x Power sockets 230 V
	4 x POAG
Make:	Pneumatik Berlin GmbH PTM

Order-Nr.: TD 228-03 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



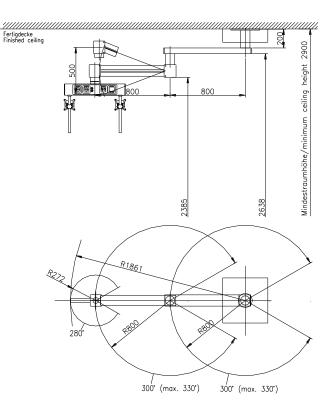
### Туре 228-04

<b>Technical</b>	Spec	ifica	tions

Hor Ver Mo	ation Range: izontal swivel arm tical swivel arm nitor Support vel radius:	300° (max. 330°) 300° (max. 330°) 280°
Hor	izontal swivel arm	800 mm
Ver	tical swivel arm	800 mm
• Lift:	:	500 mm
• Pay	load:	30 kg
• Loa	d capacity (Arm):	40 kg
• Wei	ight:	approx. 60 kg
• Max	k. torque:	1030 Nm
• Mo	nitor Support:	VESA 75/100
• Ceil	ing cover:	480 x 480 x 150 mm
• Colo	our:	RAL 9016, Traffic white

The ceiling supply unit type 228-04 is a lightload system consisting of a horizontal swivel arm and a rotatable spring arm with manual vertical height adjustment and an inclinable monitor support system with 1 to 4 adapters for TFT flat screen monitors. The support module can accommodate up to 2 power sockets and data connectors.





Pro	posal	

Electrical:	2 x Power sockets 230 V	
	2 x POAG	
Low Voltage:	2 x Data	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 228-04 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**

### Type 229-01

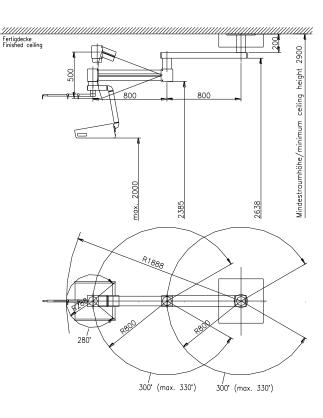
Alterations in technology and design reserved

Technical	<b>Specifications</b>

- **Rotation Range:** Horizontal swivel arm Instrument bracket
- Swivel radius: Horizontal swivel arm
- Payload:
- Load capacity (Arm):
- Weight:
- Max. torque: •
- Instrument platform: •
- Ceiling cover: •
- Colour:

- 300° (max. 330°) 280°
- 800 mm 25 kg 40 kg approx. 68 kg 1065 Nm 390 x 410 mm 480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling supply unit type 229-01 is a lightload system consisting of a horizontal swivel arm and a rotatable spring arm with manual vertical height adjustment and an eccentrically aligned shelf module for HF surgery devices or other small scale medical equipment. The module itself can accommodate up to 4 terminal units for medical gases as well as a maximum of 4 power sockets and data connectors.





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medical systems

### Proposal

Version 04/2023

Med. Gases:	1 x Oxygen O2
	1 x Air 5 bar
	1x CO2
	1 x Vacuum
Electrical:	4 x Power sockets 230 V
	4 x POAG
Make:	Pneumatik Berlin GmbH PTM Order-Nr.: TD 229-01

CE 0123 compliant with MDD 93/42/EEC

# **Planning Documentation**

# Туре 229-02

pneumatik berlin medical systems

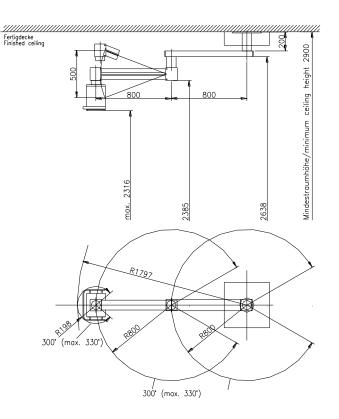
### **Technical Specifications**

- Rotation Range: Horizontal swivel arm Service Column
- Swivel radius:
   Horizontal swivel
- Horizontal swivel armPayload:
- Load capacity (Arm):
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:

- 300° (max. 330°) 280°
- 800 mm 30 kg 40 kg approx. 60 kg 1025 Nm 480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling supply unit type 229-02 is a lightload system consisting of a single horizontal swivel arm and a short service module with circumferential grip rail. The module itself can accommodate up to 4 terminal units for medical gases as well as a maximum of 4 power sockets and data connectors.



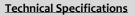


Med. Gases:	2 x Oxygen O2
	2 x Air 5 bar
Electrical:	4 x Power sockets 230 V
	4 x POAG

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 229-02 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**

### Туре 229-03



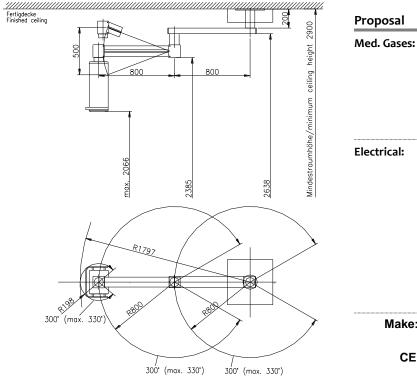
- Rotation Range: Horizontal swivel arm Service Column
- Swivel radius:
- Horizontal swivel armPayload:
- Load capacity (Arm):
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:

- 300° (max. 330°) 280°
- 800 mm 27 kg 40 kg approx. 64 kg 1025 Nm 480 x 480 x 150 mm

RAL 9016, Traffic white

The ceiling supply unit type 229-03 is a lightload system consisting of a single horizontal swivel arm and a short service column (500 mm) with circumferential grip rail. The column itself can accommodate up to 4 terminal units for medical gases as well as a maximum of 4 power sockets and data connectors.





Make:	Pneumatik Berlin GmbH PTM Order-Nr : TD 229-03
	4 x POAG
Electrical:	4 x Power sockets 230 V
	1 x Vacuum
	1x CO2
	<u> </u>

1 x Oxygen O2 1 x Air 5 bar

Order-Nr.: TD 229-03 CE 0123 compliant with MDD 93/42/EEC



### **Planning Documentation**

### Туре 229-04

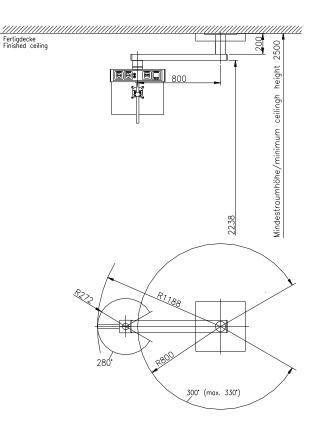
Alterations in technology and design reserved

Technical	<b>Specifications</b>
	•

- Rotation Range: Horizontal swivel arm Monitor Support
- Swivel radius: Horizontal swivel arm
- Payload:
- Load capacity (Arm):
- Weight:
- Max. torque:
- Monitor Support:
- Ceiling cover:
- Colour:

- 300° (max. 330°) 280°
- 800mm 30 kg 40 kg approx. 42 kg 520 Nm VESA 75/100
- 480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling supply unit type 229-04 is a lightload system consisting of a single horizontal swivel arm and an inclinable monitor support system with 1 to 4 adapters for TFT flat screen monitors. The support module can accommodate up to 2 power sockets and data connectors.





### Proposal

Electrical:	2 x Power sockets 230 V
	2 x POAG
Low Voltage:	2 x Data

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 229-04 CE 0123 compliant with MDD 93/42/EEC





**Planning Documentation** 



# **Normal Load Systems**



### Pneumatik Berlin GmbH PTM

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### Planning Documentation

### Туре 270-01

### **Technical Specifications**

- Rotation Range: Service Column
- Payload:
- Load capacity:

Max. torque:

Ceiling cover:

• Weight:

Colour:

•

- 350 kg
  - approx. 41 kg

100 kg

548 Nm

300° (max. 330°)

480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling supply unit type 270-10 is a pivotable single column system with a central service column (500 mm) which can accommodate a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

A 3-sided grip rail allows safe operation of the system and vertical rails provide strong support for two infusion poles with adjustable hooks for infusion bottles as well as additional accessories with standard 25x10 connector clamps.

Fertigdecke Finished ceiling

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 270-01 CE 0123 compliant with MDD 93/42/EEC

Proposal Service Column

(rear panel):

Service Column

(rear panel):



12 x Power sockets 230 V

8 x Power sockets 230 V

12 x POAG

8 x POAG



### **Planning Documentation**

### Туре 270-10

### **Technical Specifications**

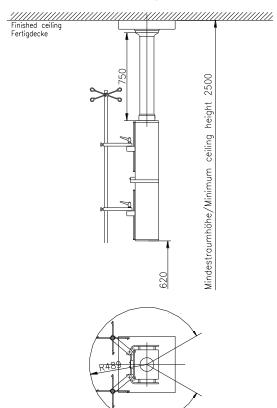
- Rotation Range: Service Column
- Payload:
- Load capacity:
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:
- 100 kg 350 kg approx. 48 kg

300° (max. 330°)

- 548 Nm
  - 480 x 480 x 150 mm
  - RAL 9016, Traffic white

The ceiling supply unit type 270-10 is a pivotable single column system with a central service column (1000 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

A 3-sided grip rail allows safe operation of the system and vertical rails provide strong support for two infusion poles with adjustable hooks for infusion bottles as well as additional accessories with standard 25x10 connector clamps.



300° (max. 330°)



Proposal			
Service Column	12 x Power sockets 230 V		
(rear panel):	12 x POAG		
Service Column	2 x Data / Low Voltage		
(rear panel):			
Service Column	2 x Oxygen O2		
(rear panel):	2 x Air 5 bar		
	2 x Vacuum		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 270-10 CE 0123 compliant with MDD 93/42/EEC



### **Planning Documentation**



### Туре 271-01

### **Technical Specifications**

- Rotation Range: Horizontal swivel arm Service Column
- Swivel radius: Horizontal swivel arm
- Payload:
- Load capacity:
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:

300° (max. 330°) 300° (max. 330°)

1000 mm (600-1300) 100 kg 280 kg approx. 81 kg 1810 Nm 480 x 480 x 150 mm RAL 9016, Traffic white

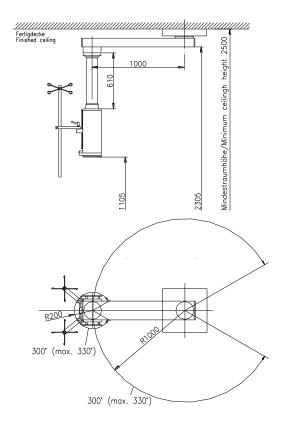
The ceiling supply unit type 271-01 consists of a single-arm system with a rotating horizontal swivel arm as well as a central service column (500 mm) which can accommodate a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels. Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a 3-sided grip rail. Vertical rails provide strong support for two infusion poles with adjustable hooks for infusion bottles as well as additional accessories with standard 25x10 connector clamps.



### Proposal

Service Column	12 x Power sockets 230 V
(rear panel):	12 x POAG
Service Column	8 x Power sockets 230 V
(rear panel):	8 x POAG

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 271-01 CE 0123 compliant with MDD 93/42/EEC



### **Planning Documentation**



### Туре 271-10

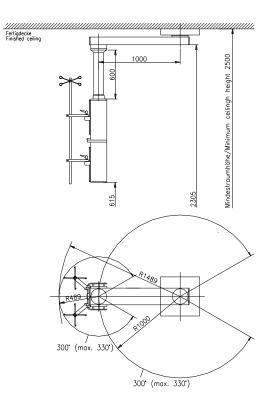
### **Technical Specifications**

- Rotation Range: Horizontal swivel arm Service Column
- Swivel radius: Horizontal swivel arm
- Payload:
- Load capacity:
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:

- 300° (max. 330°) 300° (max. 330°)
- 1000 mm (600-1300) 100 kg 280 kg approx. 92 kg 1830 Nm 480 x 480 x 150 mm
- RAL 9016, Traffic white

The ceiling supply unit type 271-10 consists of a single-arm system with a rotating horizontal swivel arm as well as a central service column (1000 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a 3-sided grip rail. Vertical rails provide strong support for two infusion poles with adjustable hooks for infusion bottles as well as additional accessories with standard 25x10 connector clamps.





Service Column	12 x Power sockets 230 V		
(rear panel):	12 x POAG		
Service Column (rear panel):	2 x Data / Low Voltage		
Service Column (rear panel):	2 x Oxygen O2 2 x Air 5 bar		
	2 x Vacuum		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 271-10 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**



### Туре 272-01

### **Technical Specifications**

•	Rotation Range: Horizontal swivel arm 1 Horizontal swivel arm 2 Service Column Swivel radius:	300° (max. 330°) 300° (max. 330°) 300° (max. 330°)
•	Horizontal swivel arm 1 Horizontal swivel arm 2	600 mm (600-1300) 850 mm (600-1300)
٠	Payload:	100 kg
•	Load capacity:	180 kg
•	Weight:	approx. 99 kg
•	Max. torque:	2515 Nm
•	Ceiling cover:	480 x 480 x 150 mm
•	Colour:	RAL 9016, Traffic white

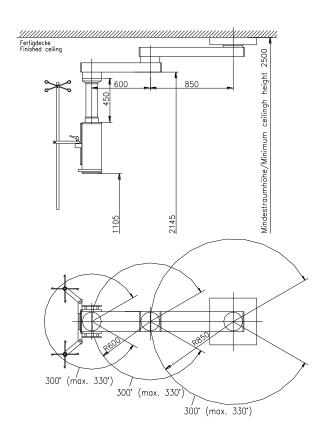
The ceiling supply unit type 272-01 consists of a dual-arm system with two rotating horizontal swivel arms as well as a central service column (500 mm) which can accommodate a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels. Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a 3-sided grip rail. Vertical rails provide strong support for two infusion poles with adjustable hooks for infusion bottles as well as additional accessories with standard 25x10 connector clamps.



### Proposal

Service Column	12 x Power sockets 230 V
(rear panel):	12 x POAG
Service Column	8 x Power sockets 230 V
(rear panel):	8 x POAG

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 272-01 CE 0123 compliant with MDD 93/42/EEC



### Planning Documentation



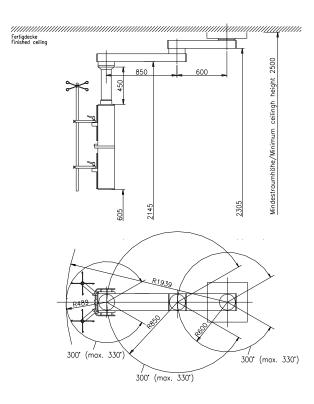
### Туре 272-10

Technical	Sp	ecifi	catio	ons

<ul> <li>Rotation Range: Horizontal swivel arm 1 Horizontal swivel arm 2 Service Column</li> <li>Swivel radius:</li> </ul>	300° (max. 330°) 300° (max. 330°) 300° (max. 330°)
<ul> <li>Horizontal swivel arm 1 Horizontal swivel arm 2</li> <li>Payload:</li> <li>Load capacity:</li> <li>Weight:</li> <li>Max. torque:</li> <li>Ceiling cover:</li> <li>Colour:</li> </ul>	600 mm (600-1300) 850 mm (600-1300) 100 kg 180 kg approx. 99 kg 2515 Nm 480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling supply unit type 272-10 consists of a dual-arm system with two rotating horizontal swivel arms as well as a central service column (1000 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a 3-sided grip rail. Vertical rails provide strong support for two infusion poles with adjustable hooks for infusion bottles as well as additional accessories with standard 25x10 connector clamps.





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Service Column	12 x Power sockets 230 V
(rear panel):	12 x POAG
Service Column (rear panel):	2 x Data / Low Voltage
Service Column (rear panel):	2 x Oxygen O2 2 x Air 5 bar 2 x Vacuum

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 272-10 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**

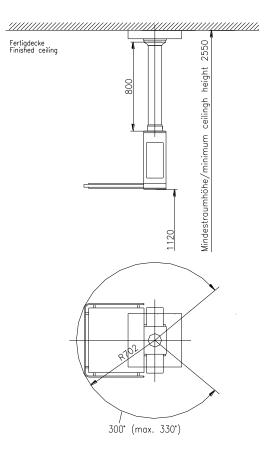
### Туре 290-01

### **Technical Specifications**

- Rotation Range: Service Column
- Payload:
- Load capacity:
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:
- 300° (max. 330°) 75 kg 350 kg
- approx. 63 kg
- 290 Nm
- 480 x 480 x 150 mm
- RAL 9016, Traffic white

The ceiling supply unit type 290-01 is a pivotable single column system with a central service column (500 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor or a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels. An instrument platform with circumferential grip rails allows safe

An instrument platform with circumferential grip fails allows safe operation of the system and provides support for additional accessories with standard 25x10 connector clamps.





Service Column	2 x Oxygen O2
(rear panel):	1 x Nitrous Oxygen N2O
	1 x Medical Air 5 bar
	2 x Vacuum
	1 x AGSS
Side Box	8 x Power sockets 230 V
(high voltage):	8 x POAG
Side Box (low voltage):	2 x Data / Low Voltage
Make:	Pneumatik Berlin GmbH PTM Order-Nr.: TD 290-0

Alterations in technology and design reserved



### **Planning Documentation**

### Туре 290-02

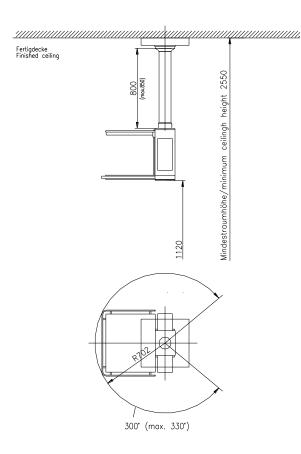
### **Technical Specifications**

- **Rotation Range:** Service Column
- Payload:
- Load capacity:
- Weight: •
- Max. torque: •
- Instrument platform: •
- Ceiling cover:
- Colour:

300° (max. 330°) 100 kg 350 kg approx. 68 kg 405 Nm 582 x 495 mm 480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling supply unit type 290-02 is a pivotable single column system with a central service column (500 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor or a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Vertical rails provide strong support for a freely height adjustable instrument platform, drawers as well as additional accessories with standard 25x10 connector clamps.





Make:	Pneumatik Berlin GmbH PTM Order-Nr.: TD 290-02
Side Box (low voltage):	2 x Data / Low Voltage
(high voltage):	8 x POAG
Side Box	8 x Power sockets 230 V
	1 x AGSS
	2 x Vacuum
	1 x Medical Air 5 bar
(rear panel):	1 x Nitrous Oxygen N2O
Service Column	2 x Oxygen O2

CE 0123 compliant with MDD 93/42/EEC



### **Planning Documentation**

### Type 290-03

### **Technical Specifications**

- **Rotation Range:** Service Column
- Payload:
- Load capacity:
- Weight:
- Max. torque: •
- Instrument platform: •
- Ceiling cover:
- Colour:

350 kg approx. 75 kg 425 Nm 582 x 495 mm 480 x 480 x 150 mm RAL 9016, Traffic white

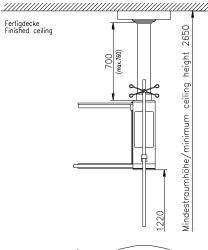
300° (max. 330°)

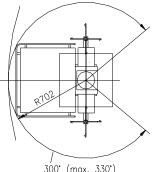
105 kg

The ceiling supply unit type 290-03 is a pivotable single column system with a central service column (600 mm) which can accommodate up to 12 terminal units for medical gases including outlets for AGSS and Airmotor or a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Vertical rails provide strong support for a freely height adjustable instrument platform, drawers as well as additional accessories with standard 25x10 connector clamps.







Comitos Column	
Service Column	2 x Oxygen O2
(rear panel):	1 x Nitrous Oxygen N2O
	1 x Medical Air 5 bar
	2 x Vacuum
	1 x AGSS
Side Box	8 x Power sockets 230 V
(high voltage):	8 x POAG
Side Box	2 x Data / Low Voltage
(low voltage):	

Make: Pneumatik Berlin GmbH PTM TD 290-03 Order-Nr.: CE 0123 compliant with MDD 93/42/EEC



### Туре 290-04

### **Technical Specifications**

- Rotation Range: Service Column
- Payload:
- Load capacity:
- Weight:
- Max. torque:
- Instrument platform:
- Instrument platform:
- Ceiling cover:
- Colour:
- 425 Nm 960 x 495 mm 582 x 495 mm 480 x 480 x 150 mm

300° (max. 330°)

approx. 78 kg

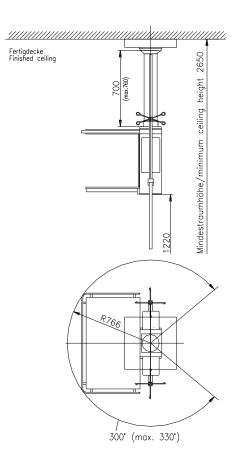
110 kg

350 kg

RAL 9016, Traffic white

Ceiling flange and pivot bearing 195 mm diameter carrying a single medium column of 600 mm length.

It is supplied with two vertical equipment rails at the front and can accommodate a maximum of 12 gas outlets including 1 air motor and 1 gas evacuation (depending on make). Separate side-boxes provide space for up to 12 electrical power outlets (left side) and additional low voltage equipment (right side) if necessary. Two instrument carrier platforms are mounted on the front of the medium column. The lower one is fixed, while the other one is height-adjustable. A drawer can be added at the bottom. On each side of the medium column an adjustable clamp with one infusion pole 25 mm diameter x 1000 mm length is mounted. Each infusion pole has the possibility to accommodate four heightadjustable hooks for infusion bottles.



Proposal	
Service Column	2 x Oxygen O2
(rear panel):	1 x Nitrous Oxygen N2O
	1 x Medical Air 5 bar
	2 x Vacuum
	1 x AGSS
Side Box	8 x Power sockets 230 V
(high voltage):	8 x POAG
Side Box	2 x Data / Low Voltage
(low voltage):	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 290-04 CE 0123 compliant with MDD 93/42/EEC



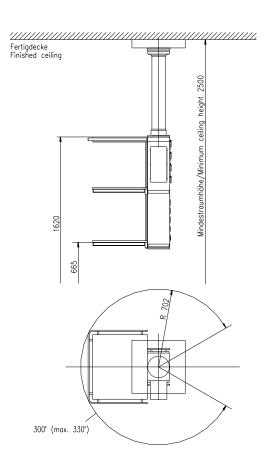
### Type 290-10

### **Technical Specifications**

- **Rotation Range:** Service Column
- Payload:
- Load capacity:
- Weight:
  - Max. torque:
- •
- Instrument platform: • Ceiling cover:
- Colour:
- 200 kg 350 kg approx. 90 kg 740 Nm 582 x 495 mm 480 x 480 x 150 mm RAL 9016, Traffic white

300° (max. 330°)

The ceiling supply unit type 290-10 is a pivotable single column system with a central service column (1000 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels. Vertical rails provide strong support for two freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.





### Proposal

Service Column	12 x Power sockets 230 V
(rear panel):	12 x POAG
Service Column	2 x Oxygen O2
(rear panel):	1 x Nitrous Oxygen N2O
	1 x Medical Air 5 bar
	2 x Vacuum
	1 x AGSS
Side Box/Panel:	2 x Data / Low Voltage

Pneumatik Berlin GmbH PTM Make: Order-Nr.: TD 290-10 CE 0123 compliant with MDD 93/42/EEC



### Type 290-13H

### **Technical Specifications**

Height Adjustment: Lift Column

Ceiling cover:

- Payload:
- Load capacity:

Colour:

Weight: Max. torque:

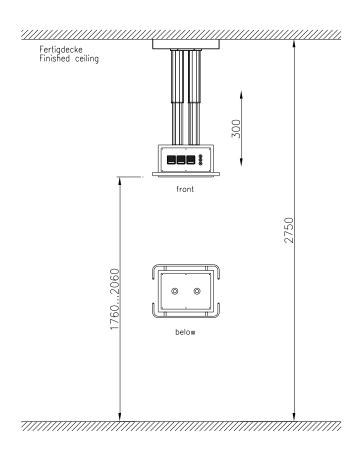
•

- 20 kg 30 kg
- approx. 40 kg

300 mm

- 500 Nm
- 480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling pendant type 290-13H is a compact retractable supply system designed for use in operating theatres and anesthetic rooms. It consists of an electrically operated telescopic drive with parallel cable guide and a centrally arranged service head for the distribution of medical gases, electricity and low voltage connections. Positioned above head height the system provides valuable free space for mobile and trolley based equipment.. The lift can be easily operated with an integrated push button. Up to 8 power outlets, low voltage components as well as 4 terminal units for medical gases may be fitted in the service head.





4 x Data / Low Voltage Service Box 1 x Oxygen O2	4 x Data / Low Voltage Service Box 1 x Oxygen O2	Service Box	6 x Power sockets 230 V
Service Box 1 x Oxygen O2	Service Box 1 x Oxygen O2	(side panels):	6 x POAG
	(h attam nan al):		4 x Data / Low Voltage
(bottom panel): 1 x Medical Air 5 bar	(bottom panel): 1 x Medical Air 5 bar	Service Box	1 x Oxygen O2
		(bottom panel):	1 x Medical Air 5 bar

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 290-13H CE 0123 compliant with MDD 93/42/EEC

Alterations in technology and design reserved



### Type 290-15H

### **Technical Specifications**

Height Adjustment: Lift Column

Ceiling cover:

- Payload:
- Load capacity:

Colour:

Weight: Max. torque:

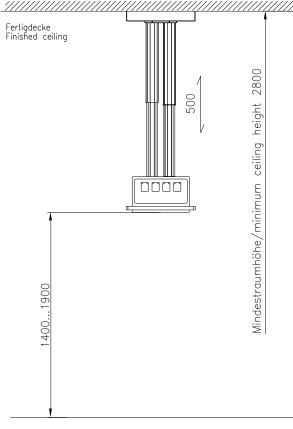
•

- 20 kg 30 kg
- approx. 40 kg

500 mm

- 500 Nm
- 480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling pendant type 290-15H is a compact retractable supply system designed for use in operating theatres and anesthetic rooms. It consists of an electrically operated telescopic drive with parallel cable guide and a centrally arranged service head for the distribution of medical gases, electricity and low voltage connections. Positioned above head height the system provides valuable free space for mobile and trolley based equipment.. The lift can be easily operated with an integrated push button. Up to 8 power outlets, low voltage components as well as 4 terminal units for medical gases may be fitted in the service head.





Proposal	
Service Box	8 x Power sockets 230 V
(side panels):	8 x POAG
	2 x Data / Low Voltage
Service Box	2 x Oxygen O2
(bottom panel):	2 x Medical Air 5 bar

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 290-15H CE 0123 compliant with MDD 93/42/EEC



### Type 290-15X

### **Technical Specifications**

- Height Adjustment: Lift Column
- Payload:
- Load capacity:
- Weight: Max. torque:
- Ceiling cover: Colour:
- approx. 40 kg 500 Nm 480 x 480 x 150 mm

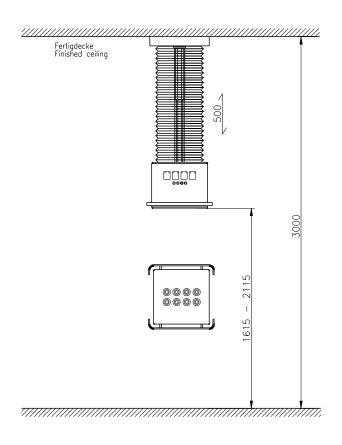
500 mm

20 kg

30 kg

RAL 9016, Traffic white

The ceiling pendant type 290-15X is a compact retractable supply system designed for use in operating theatres and anesthetic rooms. It consists of an electrically operated telescopic drive with integrated cable guide and a centrally arranged service head for the distribution of medical gases, electricity and low voltage connections. Positioned above head height the system provides valuable free space for mobile and trolley based equipment.. The lift can be easily operated with an integrated push button. Up to 8 power outlets, low voltage components as well as 8 terminal units for medical gases may be fitted in the service head.





### Proposal

12 x Power sockets 230 V
8 x POAG
2 x Data / Low Voltage
4 x Oxygen O2
4 x Medical Air 5 bar

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 290-15X CE 0123 compliant with MDD 93/42/EEC



## **Planning Documentation**



#### Туре 291-01

#### **Technical Specifications**

- Rotation Range: Horizontal swivel arm Service Column
- Swivel radius: Horizontal swivel arm
- Payload:
- Load capacity:
- Instrument platform:
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:

300° (max. 330°) 300° (max. 330°)

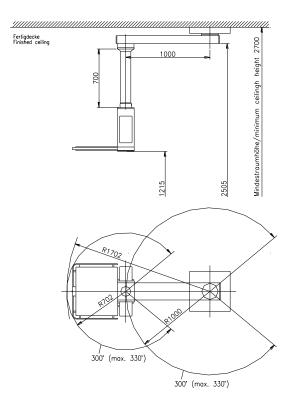
1000 mm (600-1300) 75 kg 280 kg 582 x 495 mm approx. 85 kg 1600 Nm 480 x 480 x 150 mm

RAL 9016, Traffic white

The ceiling supply unit type 291-01 consists of a single-arm system with a rotating horizontal swivel arm as well as a central service column (500 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor or a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.





Proposal			
Service Column	2 x Oxygen O2		
(rear panel):	1 x Nitrous Oxygen N2O		
	1 x Medical Air 5 bar		
	2 x Vacuum		
	1 x AGSS		
Side Box	8 x Power sockets 230 V		
(high voltage):	8 x POAG		
Side Box	2 x Data / Low Voltage		
(low voltage):			

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 291-01 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



#### Туре 291-02

#### **Technical Specifications**

- Rotation Range: Horizontal swivel arm Service Column
- Swivel radius: Horizontal swivel arm
- Payload:
- Load capacity:
- Instrument platform:
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:

300° (max. 330°) 300° (max. 330°)

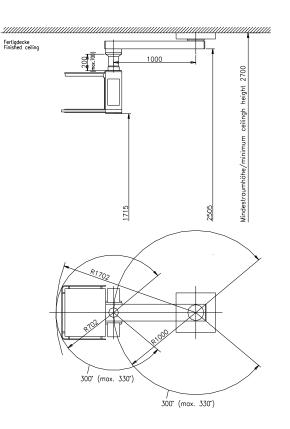
1000 mm (600-1300) 105 kg 280 kg 582 x 495 mm approx. 91 kg 2040 Nm 480 x 480 x 150 mm

RAL 9016, Traffic white

The ceiling supply unit type 291-02 consists of a single-arm system with a rotating horizontal swivel arm as well as a central service column (500 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor or a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for a freely height adjustable instrument platform, drawers as well as additional accessories with standard 25x10 connector clamps.





Proposal		
Service Column	2 x Oxygen O2	
(rear panel):	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
Side Box	8 x Power sockets 230 V	
(high voltage):	8 x POAG	
Side Box	2 x Data / Low Voltage	
(low voltage):		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 291-02 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



## Туре 291-03

#### **Technical Specifications**

- Rotation Range: Horizontal swivel arm Service Column
- Swivel radius: Horizontal swivel arm
- Payload:
- Load capacity:
- Instrument platform:
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:

300° (max. 330°) 300° (max. 330°)

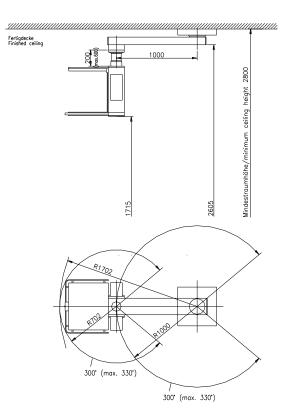
1000 mm (600-1300) 105 kg 280 kg 582 x 495 mm approx. 93 kg 2060 Nm 480 x 480 x 150 mm

RAL 9016, Traffic white

The ceiling supply unit type 291-03 consists of a single-arm system with a rotating horizontal swivel arm as well as a central service column (600 mm) which can accommodate up to 12 terminal units for medical gases including outlets for AGSS and Airmotor or a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for a freely height adjustable instrument platform, drawers as well as additional accessories with standard 25x10 connector clamps.





ervice Column	2 x Oxygen O2
rear panel):	1 x Nitrous Oxygen N2O
	1 x Medical Air 5 bar
	2 x Vacuum
	1 x AGSS
ide Box	8 x Power sockets 230 V
high voltage):	8 x POAG
ide Box	2 x Data / Low Voltage
ow voltage):	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 291-03 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



## Туре 291-05

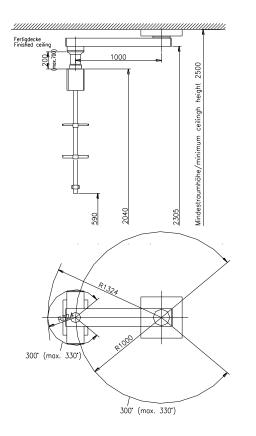
#### **Technical Specifications**

- Rotation Range: Horizontal swivel arm Service Column
- Swivel radius: Horizontal swivel arm
- Payload:
- Load capacity:
- Instrument platform:
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:

- 300° (max. 330°) 300° (max. 330°)
- 1000 mm (600-1300) 100 kg 280 kg 416 x 300 mm approx. 95 kg 1800 Nm 480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling supply unit type 291-05 consists of a single-arm system with a rotating horizontal swivel arm and a horizontal service head (600 or 800 mm wide) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor on its front panel. Up to 12 additional electrical sockets and low voltage connectors can be placed on the back side of the head. Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a grip rail on the side of the unit.

Optionally two vertical stainless steel tubes can be fitted directly underneath the head to accommodate height adjustable platforms and standard 25x10 connection rails.





# Proposal

Service Column (rear panel):	2 x Oxygen O2		
(real pailer):	1 x Nitrous Oxygen N2O 1 x Medical Air 5 bar		
	2 x Vacuum		
	1 x AGSS		
Service Column	6 x Power sockets 230 V		
(front panel):	6 x POAG		
	2 x Data / Low Voltage		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 291-05 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



#### Туре 291-10

#### **Technical Specifications**

- Rotation Range: Horizontal swivel arm Service Column
- Swivel radius: Horizontal swivel arm
- Payload:
- Load capacity:
- Instrument platform:
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:

300° (max. 330°) 300° (max. 330°)

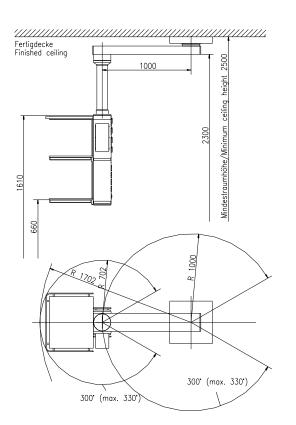
1000 mm (600-1300) 150 kg 280 kg 582 x 495 mm approx. 110 kg 3000 Nm 480 x 480 x 150 mm

RAL 9016, Traffic white

The ceiling supply unit type 291-10 consists of a single-arm system with a rotating horizontal swivel arm as well as a central service column (1000 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for two freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column	12 x Power sockets 230 V		
(rear panel):	12 x POAG		
Service Column	2 x Oxygen O2		
(rear panel):	1 x Nitrous Oxygen N2O		
	1 x Medical Air 5 bar		
	2 x Vacuum		
	1 x AGSS		
Side Box/Panel:	2 x Data / Low Voltage		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 291-10 CE 0123 compliant with MDD 93/42/EEC

Alterations in technology and design reserved

## **Planning Documentation**



## Туре 291-13

#### **Technical Specifications**

- Rotation Range: Horizontal swivel arm Service Column
- Swivel radius: Horizontal swivel arm
- Payload:
- Load capacity:
- Instrument platform:
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:

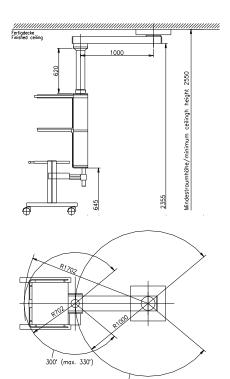
- 300° (max. 330°) 300° (max. 330°)
- 1000 mm (600-1300) 150 kg 280 kg 582 x 495 mm approx. 110 kg 3000 Nm
- 480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling supply unit type 291-13 consists of a single-arm system with a rotating horizontal swivel arm as well as a central service column (1000 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for two freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.

Two stainless steel tubes at the bottom of the column enable easy docking and moving of equipment trolleys.





#### Proposal

2 x Oxygen O2		
1 x Nitrous Oxygen N2O		
1 x Medical Air 5 bar		
2 x Vacuum		
1 x AGSS		
8 x Power sockets 230 V		
8 x POAG		
2 x Data / Low Voltage		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 291-13 CE 0123 compliant with MDD 93/42/EEC

300° (max. 330°)

## **Planning Documentation**



## Туре 291-15

#### **Technical Specifications**

- Rotation Range: Horizontal swivel arm Service Column
- Swivel radius: Horizontal swivel arm
- Payload:
- Load capacity:
- Instrument platform:
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:

300° (max. 330°) 1000 mm (600-1300)

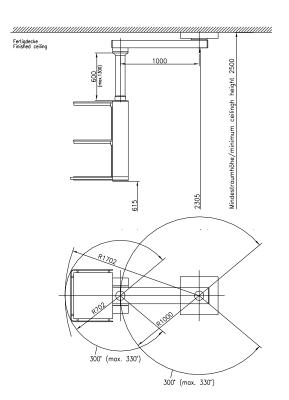
300° (max. 330°)

- 130 kg 280 kg
- 582 x 495 mm
- approx. 130 kg
- 3000 Nm
- 480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling supply unit type 291-15 is a system designed to provide solutions for an intelligent and space saving cable management in operating environments that require large numbers of medical electrical devices.

It consists of a single-arm system with one rotating horizontal swivel arm as well as a central service column for the distribution of medical gases, electricity and low voltage connections. Separate compartments on the sides of the system provide an integrated cable management for cables of different shapes and diameters. Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Two vertical rails provide strong support for two freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column	12 x Power sockets 230 V		
(rear panel):	12 x POAG		
Comitor Column	a u Data / Lavu Valtaza		
Service Column (rear panel):	2 x Data / Low Voltage		
Service Column	2 x Oxygen O2		
(rear panel):	1 x Nitrous Oxygen N2O		
	1 x Medical Air 5 bar		
	2 x Vacuum		
	1 x AGSS		
Cable Management			

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 291-15 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



#### Туре 292-01

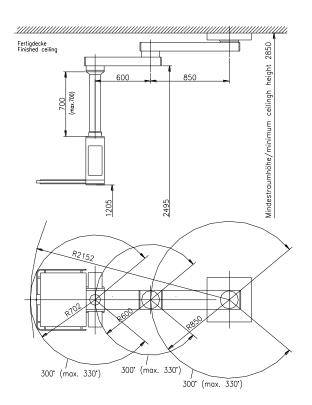
Technical	Sp	ecifi	icati	ons

•	Rotation Range: Horizontal swivel arm 1 Horizontal swivel arm 2 Service Column Swivel radius:	300° (max. 330°) 300° (max. 330°) 300° (max. 330°)
	Horizontal swivel arm 1 Horizontal swivel arm 2	850 mm (600-1300) 600 mm (600-1300)
•	Payload:	75 kg
•	Load capacity:	180 kg
•	Weight:	approx. 100 kg
•	Max. torque:	2520 Nm
•	Instrument platform:	582 x 495 mm
•	Ceiling cover:	480 x 480 x 150 mm
•	Colour:	RAL 9016, Traffic white

The ceiling supply unit type 292-01 consists of a dual-arm system with two rotating horizontal swivel arms as well as a central service column (500 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor or a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.





Proposal			
Service Column	2 x Oxygen O2		
(rear panel):	1 x Nitrous Oxygen N2O		
	1 x Medical Air 5 bar		
	2 x Vacuum		
	1 x AGSS		
Side Box	8 x Power sockets 230 V		
(high voltage):	8 x POAG		
Side Box	2 x Data / Low Voltage		
(low voltage):			

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 292-01 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



#### Туре 292-02

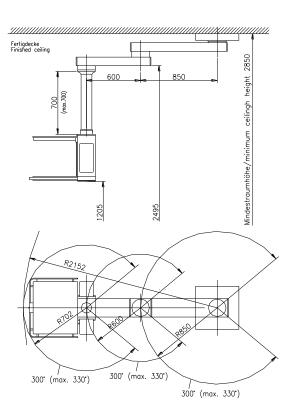
Technical	Sp	ecifi	cati	ons

<ul> <li>Rotation Range: Horizontal swivel arm 1 Horizontal swivel arm 2 Service Column Service Column Swivel radius: Horizontal swivel arm 1 Horizontal swivel arm 1 Horizontal swivel arm 2 Horizontal swivel arm 1 Horizontal swivel arm 1 Horizont</li></ul>			
Horizontal swivel arm 1 Horizontal swivel arm 2850 mm (600-1300) 600 mm (600-1300)Payload:105 kgLoad capacity:180 kgWeight:approx. 106 kgMax. torque:2650 NmInstrument platform:582 x 495 mm	•	Horizontal swivel arm 1 Horizontal swivel arm 2 Service Column	300° (max. 330°)
	• • • •	Horizontal swivel arm 1 Horizontal swivel arm 2 Payload: Load capacity: Weight: Max. torque: Instrument platform: Ceiling cover:	600 mm (600-1300) 105 kg 180 kg approx. 106 kg 2650 Nm 582 x 495 mm

The ceiling supply unit type 292-02 consists of a dual-arm system with two rotating horizontal swivel arms as well as a central service column (500 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor or a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for a freely height adjustable instrument platform, drawers as well as additional accessories with standard 25x10 connector clamps.





Service Column	2 x Oxygen O2	
(rear panel):	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
Side Box	8 x Power sockets 230 V	
(high voltage):	8 x POAG	
Side Box	2 x Data / Low Voltage	
(low voltage):		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 292-02 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



## Туре 292-03

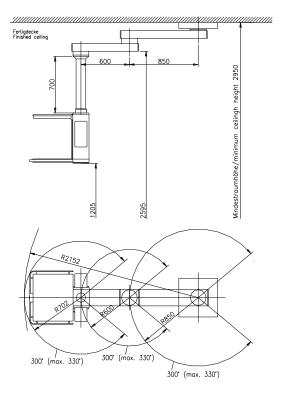
Technical	Sp	ecifi	icat	ior	าร

•	Rotation Range: Horizontal swivel arm 1 Horizontal swivel arm 2 Service Column Swivel radius:	300° (max. 330°) 300° (max. 330°) 300° (max. 330°)
• • • •	Horizontal swivel arm 1 Horizontal swivel arm 2 Payload: Load capacity: Weight: Max. torque: Instrument platform: Ceiling cover:	850 mm (600-1300) 600 mm (600-1300) 105 kg 180 kg approx. 108 kg 2680 Nm 582 x 495 mm 480 x 480 x 150 mm
•	Colour:	RAL 9016, Traffic white

The ceiling supply unit type 292-03 consists of a dual-arm system with two rotating horizontal swivel arms as well as a central service column (600 mm) which can accommodate up to 12 terminal units for medical gases including outlets for AGSS and Airmotor or a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for a freely height adjustable instrument platform, drawers as well as additional accessories with standard 25x10 connector clamps.





Proposal	

Service Column	2 x Oxygen O2
(rear panel):	1 x Nitrous Oxygen N2O
	1 x Medical Air 5 bar
	2 x Vacuum
	1 x AGSS
Side Box	8 x Power sockets 230 V
(high voltage):	8 x POAG
Side Box	2 x Data / Low Voltage
(low voltage):	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 292-03 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



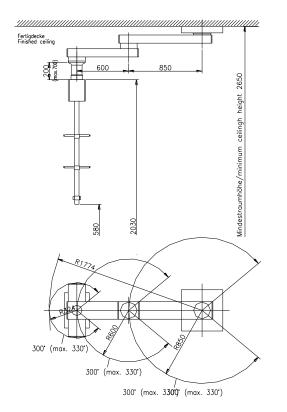
## Туре 292-05

Technical	Speci	ification	s

•	Rotation Range: Horizontal swivel arm 1 Horizontal swivel arm 2 Service Column Swivel radius:	300° (max. 330°) 300° (max. 330°) 300° (max. 330°)
• • •	Horizontal swivel arm 1 Horizontal swivel arm 2 Payload: Load capacity: Weight: Max. torque: Instrument platform:	850 mm (600-1300) 600 mm (600-1300) 100 kg 180 kg approx. 103 kg 2600 Nm 416 x 300 mm
•	Ceiling cover: Colour:	480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling supply unit type 292-05 consists of a dual-arm system with two rotating horizontal swivel arms and a horizontal service head (600 or 800 mm wide) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor on its front panel. Up to 12 additional electrical sockets and low voltage connectors can be placed on the back side of the head.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a grip rail on the side of the unit. This way the system can be locked at any desired height. Optionally two vertical stainless steel tubes can be fitted directly underneath the head to accommodate height adjustable platforms and standard 25x10 connection rails.





#### Proposal

Service Column	2 x Oxygen O2	
(rear panel):	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
Service Column	6 x Power sockets 230 V	
(front panel):	6 x POAG	
(front panel):	6 x POAG 2 x Data / Low Voltage	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 292-05 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



#### Туре 292-10

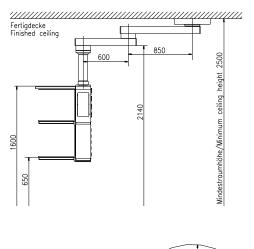
#### **Technical Specifications**

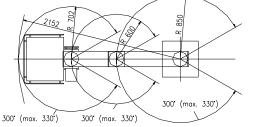
•	Rotation Range: Horizontal swivel arm 1 Horizontal swivel arm 2 Service Column Swivel radius:	300° (max. 330°) 300° (max. 330°) 300° (max. 330°)
•	Horizontal swivel arm 1 Horizontal swivel arm 2 Payload: Load capacity: Weight: Max. torque: Instrument platform: Ceiling cover:	850 mm (600-1300) 600 mm (600-1300) 105 kg 180 kg approx. 108 kg 2680 Nm 582 x 495 mm 480 x 480 x 150 mm
•	Colour:	RAL 9016, Traffic white

The ceiling supply unit type 292-10 consists of a dual-arm system with two rotating horizontal swivel arms as well as a central service column (1000 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for two freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.







#### Proposal

Service Column	12 x Power sockets 230 V	
(rear panel):	12 x POAG	
Service Column	2 x Oxygen O2	
(rear panel):	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
Side Box/Panel:	2 x Data / Low Voltage	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 292-10 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



## Туре 292-13

#### **Technical Specifications**

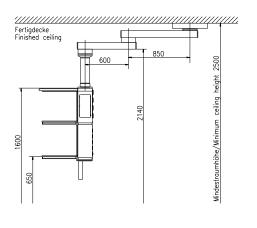
•	Rotation Range: Horizontal swivel arm 1 Horizontal swivel arm 2 Service Column Swivel radius:	300° (max. 330°) 300° (max. 330°) 300° (max. 330°)
•	Horizontal swivel arm 1 Horizontal swivel arm 2	850 mm (600-1300) 600 mm (600-1300)
•	Payload:	150 kg
•	Load capacity:	180 kg
•	Weight:	approx. 130 kg
٠	Max. torque:	4280 Nm
٠	Instrument platform:	582 x 495 mm
•	Ceiling cover:	480 x 480 x 150 mm
٠	Colour:	RAL 9016, Traffic white

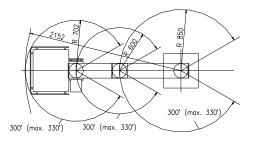
The ceiling supply unit type 292-13 consists of a dual-arm system with two rotating horizontal swivel arms as well as a central service column (1000 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 12 power sockets and data. Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for two freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.

Two stainless steel tubes at the bottom of the column enable easy docking and moving of equipment trolleys.







#### Proposal

Service Column	2 x Oxygen O2
(rear panel):	1 x Nitrous Oxygen N2O
	1 x Medical Air 5 bar
	2 x Vacuum
	1 x AGSS
Side Box (High	8 x Power sockets 230 V
Voltage):	8 x POAG
Side Box (Low	2 x Data / Low Voltage
Voltage):	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 292-13 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



## Туре 292-15

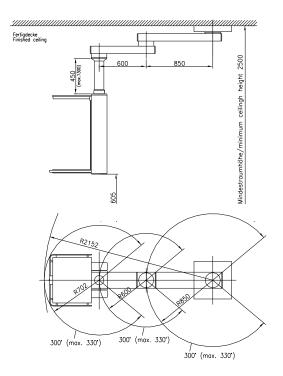
#### **Technical Specifications**

•	Rotation Range: Horizontal swivel arm 1 Horizontal swivel arm 2 Service Column Swivel radius:	300° (max. 330°) 300° (max. 330°) 300° (max. 330°)
• • • •	Horizontal swivel arm 1 Horizontal swivel arm 2 Payload: Load capacity: Weight: Max. torque: Instrument platform:	850 mm (600-1300) 600 mm (600-1300) 130 kg 180 kg approx. 150 kg 4280 Nm 582 x 495 mm
•	Ceiling cover: Colour:	480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling supply unit type 292-15 is a system designed to provide solutions for an intelligent and space saving cable management in operating environments that require large numbers of medical electrical devices.

It consists of a double-arm system with two rotating horizontal swivel arms as well as a central service column for the distribution of medical gases, electricity and low voltage connections. Separate compartments on the sides of the system provide an integrated cable management for cables of different shapes and diameters. Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Two vertical rails provide strong support for two freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

12 x Power sockets 230 V 12 x POAG 2 x Data / Low Voltage
2 x Data / Low Voltage
2 x Oxygen O2
1 x Nitrous Oxygen N2O
1 x Medical Air 5 bar
2 x Vacuum
1 x AGSS

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 292-15 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



## Type 203 Octagon

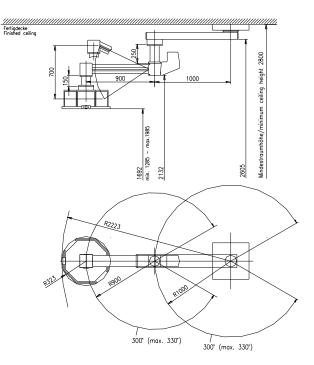
#### **Technical Specifications**

•	Rotation Range: Horizontal swivel arm: Vertical swivel arm: Service head:	300° (max 330°) 300° (max 330°) 300° (max 330°)
٠	Swivel radius:	
	Horizontal swivel arm:	850 mm
	Vertical swivel arm:	900 mm
٠	Lift:	700 mm
•	Payload:	30 kg
٠	Load capacity (Arm)	100 kg
•	Weight:	approx. 125 kg
٠	Max. torque:	2250 Nm
٠	Ceiling cover:	480 x 480 x 75 mm
•	Colour:	RAL 9016, Traffic white
•	Supply Voltage:	230 V

The ceiling supply unit type 203 Octagon consists of a dual-arm system with rotating horizontal and vertical swivel arm as well as a central octagonal-shaped service head which can accommodate up to 12 terminal units for medical gases including outlets for AGSS and Airmotor. Electrical sockets and low voltage connectors can be arranged on the side panels of the service head.

Color-coded buttons for safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a circumferential grip rail which is also to attach accessories with standard connectors. This way the system can be locked at any desired height.





#### Proposal

Service Head	2 x Oxygen O2
(bottom panel):	2 x Nitrous Oxygen N2O
	2 x Medical Air 5 bar
	2 x Vacuum
	1 x Instrument Air 8 bar
	1 x AGSS
Service Head	12 x Power sockets 230 V
(side panels):	12 x POAG
Service Head	4 x Data / Low Voltage
(side panels):	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 203 Octagon CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



#### Type 362-01

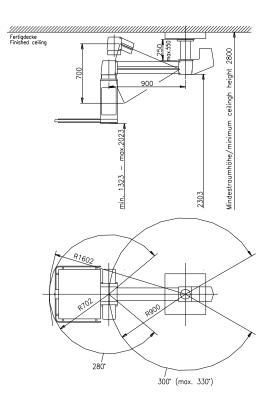
#### **Technical Specifications**

- **Rotation Range:** Vertical swivel arm: Service head: Swivel radius:
- Vertical swivel arm:
- Lift:
- Payload:
- Load capacity (Arm)
- Weight: •
- Max. torque: •
- Instrument platform: • Ceiling cover:
- •
- Colour:
- Supply Voltage:

- 300° (max 330°) 300° (max 330°)
- 900 mm 700 mm 75 kg 100 kg approx. 98 kg 1420 Nm 582 x 495 mm 480 x 480 x 75 mm RAL 9016, Traffic white
- 230 V, 115 V, 110 V

The ceiling supply unit type 362-01 consists of a single-arm system with rotating vertical swivel arm as well as a central service column (500mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor. Up to 12 additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fix instrument platform. This way the system can be locked at any desired height. Additional accessories can be attached on standard rails with 25x10 connector clamps.





# Proposal

Service Column	2 x Oxygen O2
(rear panel):	1 x Nitrous Oxygen N2O
	1 x Medical Air 5 bar
	2 x Vacuum
	1 x AGSS
Side Box	8 x Power sockets 230 V
(high voltage):	8 x POAG
Side Box	2 x Data / Low Voltage
(low voltage):	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 362-01 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



#### Туре 362-02

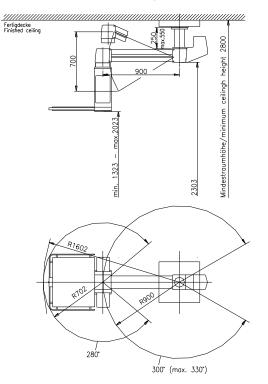
#### **Technical Specifications**

- Rotation Range: Vertical swivel arm: 300° Service head: 300°
   Swivel radius:
- Vertical swivel arm:
- Lift:
- Payload:
- Load capacity (Arm)
- Weight:
- Max. torque:Instrument platform:
- Instrument platform
  Ceiling cover:
- Celling d
  Colour:
- Colour:
   Supply Voltage
- Supply Voltage:

- 300° (max 330°) 300 ° (max 330°)
- 900 mm 700 mm 70 kg
- n) 100 kg approx. 104 kg 1425 Nm rm: 582 x 495 mm 480 x 480 x 75 mm
  - RAL 9016, Traffic white 230 V, 115 V, 110 V

The ceiling supply unit type 362-02 consists of a single-arm system with rotating vertical swivel arm and a central service column (500 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor. Up to 12 additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fixed instrument platform. This way the system can be locked at any desired height. Two vertical rails provide strong support for a second freely height adjustable platform, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column	2 x Oxygen O2	
(rear panel):	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
Side Box	8 x Power sockets 230 V	
(high voltage):	8 x POAG	
Side Box	2 x Data / Low Voltage	
(low voltage):		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 362-02 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



## Туре 362-03

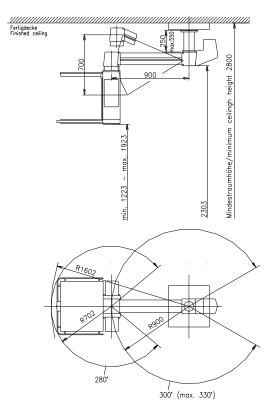
#### **Technical Specifications**

- Rotation Range: Vertical swivel arm: 300° Service head: 300
   Swivel radius:
- Vertical swivel arm:
- Lift:Payload:
- Payload:
- Load capacity (Arm)
- Weight:
- Max. torque:Instrument platform:
- Instrument platforf
  Ceiling cover:
- Celling d
  Colour:
- Colour:
   Supply Voltage
- Supply Voltage:

- 300° (max 330°) 300 ° (max 330°)
- 900 mm 700 mm 65 kg
- ) 100 kg approx. 106 kg 1400 Nm n: 582 x 495 mm
  - 480 x 480 x 75 mm
  - RAL 9016, Traffic white 230 V, 115 V, 110 V

The ceiling supply unit type 362-03 consists of a single-arm system with rotating vertical swivel arm and a central service column (600 mm) which can accommodate up to 12 terminal units for medical gases including outlets for AGSS and Airmotor. Up to 12 additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fixed instrument platform. This way the system can be locked at any desired height. Two vertical rails provide strong support for a second freely height adjustable platform, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column	2 x Oxygen O2
(rear panel):	1 x Nitrous Oxygen N2O
	1 x Medical Air 5 bar
	2 x Vacuum
	1 x AGSS
Side Box	8 x Power sockets 230 V
(high voltage):	8 x POAG
Side Box	2 x Data / Low Voltage
(low voltage):	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 362-03 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



## Type 362-04

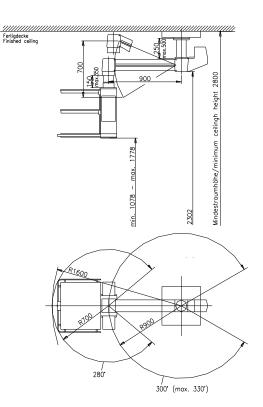
#### **Technical Specifications**

- **Rotation Range:** Vertical swivel arm: Service head:
- Swivel radius: Vertical swivel arm:
- Lift: Payload:
- Load capacity (Arm)
- Weight:
- Max. torque: Instrument platform: •
- Ceiling cover: •
- Colour:
- - Supply Voltage:

- 300° (max 330°) 300° (max 330°)
- 900 mm 700 mm 55 kg 100 kg approx. 119 kg
  - 1400 Nm
- 582 x 495 mm 480 x 480 x 75 mm
- RAL 9016, Traffic white 230 V, 115 V, 110 V

The ceiling supply unit type 362-04 consists of a single-arm system with rotating vertical swivel arm and a central service column (600 mm) which can accommodate up to 12 terminal units for medical gases including outlets for AGSS and Airmotor. Up to 12 additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fixed instrument platform. This way the system can be locked at any desired height. Two vertical rails provide strong support for a second freely height adjustable platform, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column	2 x Oxygen O2 1 x Nitrous Oxygen N2O	
(rear panel):		
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
Side Box	8 x Power sockets 230 V	
(high voltage):	8 x POAG	
Side Box	2 x Data / Low Voltage	
(low voltage):		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 362-04 CE 0123 compliant with MDD 93/42/EEC

## Planning Documentation



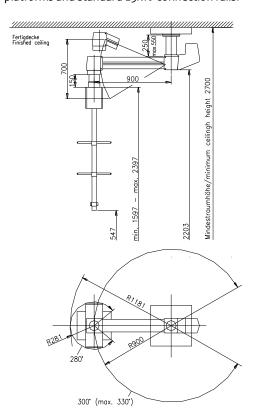
## Туре 362-05

#### **Technical Specifications**

- Rotation Range: Vertical swivel arm: 30 Service head: 30
- Swivel radius: Vertical swivel arm:
- Lift:
- Payload:
- Load capacity (Arm)
- Weight:
- Max. torque:
- Instrument platform:
- Ceiling cover:
- Colour:
- Supply Voltage:

- 300° (max 330°) 300 ° (max 330°)
- 900 mm 700 mm 60 kg 100 kg approx. 111 kg 1300 Nm
  - 400 x 300 mm 480 x 480 x 75 mm
- RAL 9016, Traffic white 230 V, 115 V, 110 V

The ceiling supply unit type 362-05 consists of a single-arm system with rotating vertical swivel arm and a horizontal service head (600 or 800 mm wide) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor on its front panel. Up to 12 additional electrical sockets and low voltage connectors can be placed on the back side of the head. Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a grip rail on the side of the unit. This way the system can be locked at any desired height. Optionally two vertical stainless steel tubes can be fitted directly underneath the head to accommodate height adjustable platforms and standard 25x10 connection rails.





#### Proposal

Service Column	2 x Oxygen O2	
(rear panel):	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
Side Box	6 x Power sockets 230 V	
(high voltage):	6 x POAG	
Side Box	2 x Data / Low Voltage	
(low voltage):		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 362-05 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**

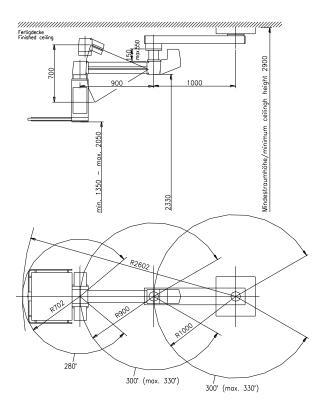


## Туре 363-01

Technical	Specif	ications

<ul> <li>Rotation Range: Horizontal swivel arm: Vertical swivel arm: Service Column:</li> <li>Swivel radius:</li> </ul>	300° (max 330°) 300° (max 330°) 300° (max 330°)
Horizontal swivel arm:	1000 (600-1300) mm
Vertical swivel arm:	900 mm
• Lift:	700 mm
Payload:	75 kg
<ul> <li>Load capacity (Arm)</li> </ul>	100 kg
• Weight:	approx. 125 kg
Max. torque:	3105 Nm
<ul> <li>Instrument platform:</li> </ul>	582 x 495 mm
Ceiling cover:	480 x 480 x 75 mm
Colour:	RAL 9016, Traffic white
<ul> <li>Supply Voltage:</li> </ul>	230 V, 115 V, 110 V

The ceiling supply unit type 363-01 consists of a dual-arm system with rotating horizontal and vertical swivel arm as well as a central service column (500mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor. Up to 12 additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels. Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fix instrument platform. This way the system can be locked at any desired height. Additional accessories can be attached on standard rails with 25x10 connector clamps.





#### Proposal

Service Column	2 x Oxygen O2
(rear panel):	1 x Nitrous Oxygen N2O
	1 x Medical Air 5 bar
	2 x Vacuum
	1 x AGSS
Side Box	8 x Power sockets 230 V
(high voltage):	8 x POAG
Side Box	2 x Data / Low Voltage
(low voltage):	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 363-01 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**

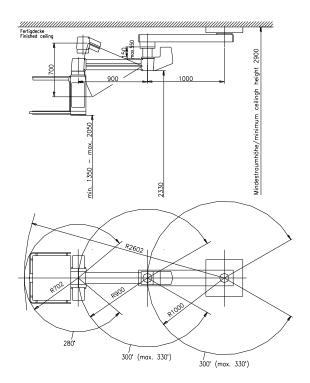


## Туре 363-02

Technical	Sp	ecifi	icati	ons

<ul> <li>Rotation Range: Horizontal swivel arm: Vertical swivel arm: Service Column:</li> <li>Swivel radius:</li> </ul>	300° (max 330°) 300° (max 330°) 300° (max 330°)
Horizontal swivel arm:	1000 (600-1300) mm
Vertical swivel arm:	900 mm
• Lift:	700 mm
Payload:	70 kg
<ul> <li>Load capacity (Arm)</li> </ul>	100 kg
• Weight:	approx. 132 kg
Max. torque:	3120 Nm
<ul> <li>Instrument platform:</li> </ul>	582 x 495 mm
Ceiling cover:	480 x 480 x 75 mm
Colour:	RAL 9016, Traffic white
Supply Voltage:	230 V, 115 V, 110 V

The ceiling supply unit type 363-02 consists of a dual-arm system with rotating horizontal and vertical swivel arm as well as a central service column (500mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor. Up to 12 additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels. Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fixed instrument platform. This way the system can be locked at any desired height. Two vertical rails provide strong support for a second freely height adjustable platform, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column	2 x Oxygen O2	
rear panel):	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
Side Box	8 x Power sockets 230 V	
high voltage):	8 x POAG	
Side Box	2 x Data / Low Voltage	
low voltage):		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 363-02 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**

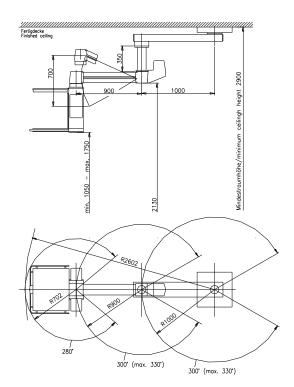


## Туре 363-03

#### **Technical Specifications**

•	Rotation Range: Horizontal swivel arm: Vertical swivel arm: Service Column: Swivel radius:	300° (max 330°) 300° (max 330°) 300° (max 330°)
	Horizontal swivel arm:	1000 (600-1300) mm
	Vertical swivel arm:	900 mm
•	Lift:	700 mm
•	Payload:	65 kg
•	Load capacity (Arm)	100 kg
•	Weight:	approx. 134 kg
•	Max. torque:	3050 Nm
•	Instrument platform:	582 x 495 mm
•	Ceiling cover:	480 x 480 x 75 mm
•	Colour:	RAL 9016, Traffic white
•	Supply Voltage:	230 V, 115 V, 110 V

The ceiling supply unit type 363-03 consists of a dual-arm system with rotating horizontal and vertical swivel arm as well as a central service column (600 mm) which can accommodate up to 12 terminal units for medical gases including outlets for AGSS and Airmotor. Up to 12 additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels. Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fixed instrument platform. This way the system can be locked at any desired height. Two vertical rails provide strong support for a second freely height adjustable platform, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

ervice Column	2 x Oxygen O2	
(rear panel):	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
ide Box	8 x Power sockets 230 V	
high voltage):	8 x POAG	
ide Box	2 x Data / Low Voltage	
low voltage):		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 363-03 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**

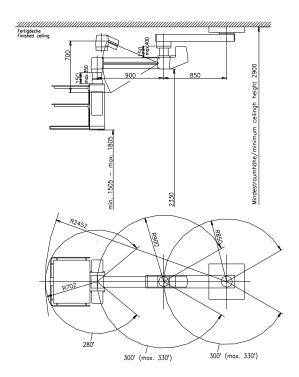


## Туре 363-04

Technical	Specifications

<ul> <li>Rotation Range: Horizontal swivel arm: Vertical swivel arm: Service Column:</li> <li>Swivel radius:</li> </ul>	300° (max 330°) 300° (max 330°) 300° (max 330°)
Horizontal swivel arm:	1000 (600-1300) mm
Vertical swivel arm:	900 mm
• Lift:	700 mm
Payload:	55 kg
<ul> <li>Load capacity (Arm)</li> </ul>	100 kg
• Weight:	approx. 141 kg
Max. torque:	3085 Nm
<ul> <li>Instrument platform:</li> </ul>	582 x 495 mm
Ceiling cover:	480 x 480 x 75 mm
Colour:	RAL 9016, Traffic white
Supply Voltage:	230 V, 115 V, 110 V

The ceiling supply unit type 363-03 consists of a dual-arm system with rotating horizontal and vertical swivel arm as well as a central service column (600 mm) which can accommodate up to 12 terminal units for medical gases including outlets for AGSS and Airmotor. Up to 12 additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels. Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fixed instrument platform. This way the system can be locked at any desired height. Two vertical rails provide strong support for a second freely height adjustable platform, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column (rear panel):	2 x Oxygen O2	
	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
Side Box	8 x Power sockets 230 V	
(high voltage):	8 x POAG	
Side Box	2 x Data / Low Voltage	
low voltage):		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 363-04 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



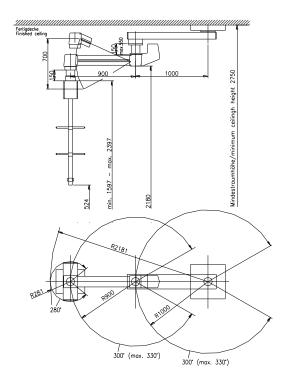
## Туре 363-05

Technical	Sp	ecifi	catio	ons

•	Rotation Range: Horizontal swivel arm: Vertical swivel arm: Service Column: Swivel radius:	300° (max 330°) 300° (max 330°) 300° (max 330°)
	Horizontal swivel arm: Vertical swivel arm:	1000 (600-1300) mm 900 mm
•	Lift:	700 mm
•	Payload:	60 kg
•	Load capacity (Arm)	100 kg
•	Weight:	approx. 135 kg
•	Max. torque:	2850 Nm
•	Instrument platform:	400 x 300 mm
•	Ceiling cover:	480 x 480 x 75 mm
•	Colour:	RAL 9016, Traffic white
•	Supply Voltage:	230 V, 115 V, 110 V

The ceiling supply unit type 363-05 consists of a dual-arm system with rotating horizontal and vertical swivel arm and a horizontal service head (600 or 800 mm wide) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor on its front panel. Up to 12 additional electrical sockets and low voltage connectors can be placed on the back side of the head.

Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a grip rail on the side of the unit. This way the system can be locked at any desired height. Optionally two vertical stainless steel tubes can be fitted directly underneath the head to accommodate height adjustable platforms and standard 25x10 connection rails.





#### Proposal

Service Column	2 x Oxygen O2	
(rear panel):	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
Side Box	6 x Power sockets 230 V	
(high voltage):	6 x POAG	
Side Box	2 x Data / Low Voltage	
(low voltage):		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 363-05 CE 0123 compliant with MDD 93/42/EEC

Planning Documentation



# Heavy Load Systems



#### Pneumatik Berlin GmbH PTM

Falkenberger Straße 40 D-13088 Berlin Germany

Tel: +49 / 30 / 92 70 10 -0 Fax: +49 / 30 / 926 81 32 info@pneumatik-berlin.de www.pneumatik-berlin.de **Planning Documentation** 



## **Planning Documentation**



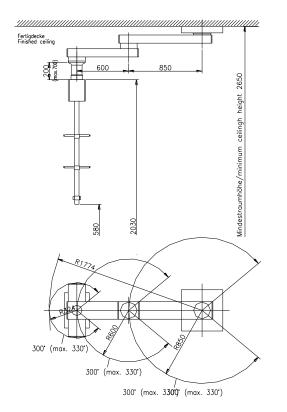
## Туре 491-05

#### **Technical Specifications**

•	Rotation Range: Horizontal swivel arm 1 Horizontal swivel arm 2 Service Column Swivel radius:	300° (max. 330°) 300° (max. 330°) 300° (max. 330°)
•	Horizontal swivel arm 1 Horizontal swivel arm 2 Payload: Load capacity: Weight: Max. torque: Instrument platform:	850 mm (600-1300) 600 mm (600-1300) 180 kg 495 kg approx. 110 kg 3300 Nm 416 x 300 mm
•	Ceiling cover: Colour:	480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling supply unit type 491-05 consists of a dual-arm system with two rotating horizontal swivel arms and a horizontal service head (600 or 800 mm wide) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor on its front panel. Up to 12 additional electrical sockets and low voltage connectors can be placed on the back side of the head.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a grip rail on the side of the unit. This way the system can be locked at any desired height. Optionally two vertical stainless steel tubes can be fitted directly underneath the head to accommodate height adjustable platforms and standard 25x10 connection rails.





#### Proposal

Service Column	2 x Oxygen O2	
(rear panel):	1 x Nitrous Oxygen N2O 1 x Medical Air 5 bar	
	1 x AGSS	
Service Column	6 x Power sockets 230 V	
	6 x Power sockets 230 V 6 x POAG	
Service Column	6 x Power sockets 230 V	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 292-05 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



#### Туре 491-11

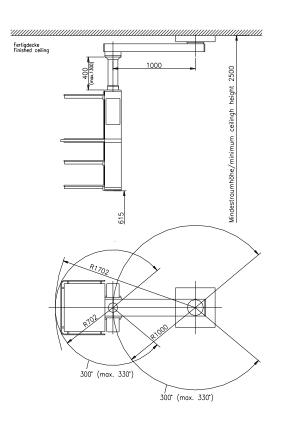
#### **Technical Specifications**

- Rotation Range: Horizontal swivel arm Service Column
   300° (max. 330°)
   300° (max. 330°)
- Swivel radius: Horizontal swivel arm
- Payload:
- Load capacity:
- Instrument platform:
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:
- 1000 mm (600-1300) 180 kg 495 kg
- 582 x 495 mm
- approx. 118 kg
- 3400 Nm
- 480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling supply unit type 491-11 consists of a single-arm system with a rotating horizontal swivel arm as well as a central service column (1200 mm) which can accommodate up to 12 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for up to three freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column	12 x Power sockets 230 V	
(rear panel):	12 x POAG	
Service Column	2 x Oxygen O2	
(rear panel):	1 x Nitrous Oxygen N2O 1 x Medical Air 5 bar	
	1 x AGSS	
Side Box/Panel:	2 x Data / Low Voltage	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 491-11 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



## Type 491-12

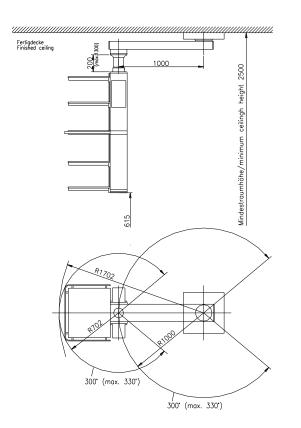
#### **Technical Specifications**

- **Rotation Range:** Horizontal swivel arm 300° (max. 330°) 300° (max. 330°) Service Column
- Swivel radius: Horizontal swivel arm
- Payload:
- Load capacity:
- Instrument platform:
- Weight:
- Max. torque:
- Ceiling cover:

- 1000 mm (600-1300) 180 kg
- 495 kg
- 582 x 495 mm
- Colour:
- approx. 124 kg 3500 Nm 480 x 480 x 150 mm RAL 9016, Traffic white
- The ceiling supply unit type 491-12 consists of a single-arm system with a rotating horizontal swivel arm as well as a central service column (1400 mm) which can accommodate up to 12 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 15 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for up to four freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column	12 x Power sockets 230 V 12 x POAG	
(rear panel):		
Service Column	2 x Oxygen O2	
(rear panel):	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
Side Box/Panel:	2 x Data / Low Voltage	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 491-12 CE 0123 compliant with MDD 93/42/EEC

Alterations in technology and design reserved

## **Planning Documentation**



## Туре 491-15

#### **Technical Specifications**

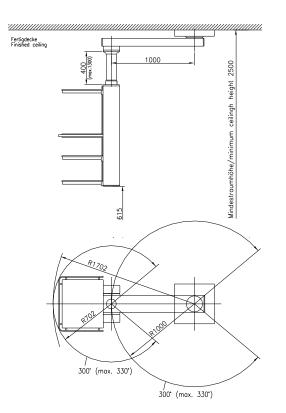
- Rotation Range: Horizontal swivel arm Service Column
   300° (max. 330°)
- Swivel radius: Horizontal swivel arm
- Payload:
- Load capacity:
- Instrument platform:
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:

- 300° (max. 330°) 1000 mm (600-1300) 150 kg
- 495 kg
- 582 x 495 mm
- approx. 130 kg
- 3500 Nm
- 480 x 480 x 150 mm RAL 9016, Traffic white

The ceiling supply unit type 491-15 is a system designed to provide solutions for an intelligent and space saving cable management in operating environments that require large numbers of medical electrical devices.

It consists of a single-arm system with one rotating horizontal swivel arm and a central service column for the distribution of medical gases, electricity and low voltage connections. Separate compartments on the sides of the system provide an integrated cable management for cables of different shapes and diameters. Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for up to three freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column	15 x Power sockets 230 V	
(rear panel):	15 x POAG	
Service Column	2 x Data / Low Voltage	
(rear panel):		
Service Column	2 x Oxygen O2	
(rear panel):	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 491-15 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



## Туре 491-13Н

#### **Technical Specifications**

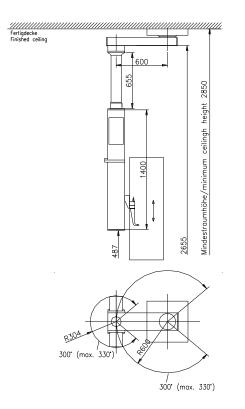
- Rotation Range: Horizontal swivel arm Service Column
- Swivel radius: Horizontal swivel arm
- Payload:
- Load capacity:
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:
- Power Consumption:
- Lift (Speed):
- Supply Voltage:

300° (max. 330°) 300° (max. 330°)

1000 mm (600-1300) 180 (150+30) kg 495 kg approx. 118 kg 3300 Nm 480 x 480 x 150 mm RAL 9016, Traffic white 890 W

- 300mm (11 mm/s)
- 230 V

The ceiling supply unit type 491-13H is a system designed to safely position and operate anesthesia workstations at different working heights. It consists of a single-arm system with a rotating horizontal swivel arm and a central service column (1400mm) for the distribution of medical gases, electricity and low voltage connections. A maximum of 10 outlets for medical gases including Airmotor and AGSS can be installed in the upper part of the column. Separate side-boxes provide space for up to 12 electrical power outlets and additional low voltage equipment if necessary. The lower part of the service column contains a telescopic drive to hook up and lift anaesthesia machines with a standardized double pin docking interface.





#### Proposal

Service Column	2 x Oxygen O2	
(rear panel):	1 x Nitrous Oxygen N2O 1 x Medical Air 5 bar	
	1 x AGSS	
ide Box (High	8 x Power sockets 230 V	
Voltage):	8 x POAG	
Side Box (Low	2 x Data / Low Voltage	
/oltage):		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 491-13H CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



## Туре 491-16Н

#### **Technical Specifications**

- Rotation Range: Horizontal swivel arm Service Column
- Swivel radius: Horizontal swivel arm
- Payload:
- Load capacity:
- Weight:
- Max. torque:
- Ceiling cover:
- Colour:
- Power Consumption:
- Lift (Speed):
- Supply Voltage:

300° (max. 330°) 300° (max. 330°)

1000 mm (600-1300) 180 (150+30) kg 495 kg approx. 140 kg 3500 Nm 480 x 480 x 150 mm RAL 9016, Traffic white 890 W

- 600mm (11 mm/s)
- 230 V

The ceiling supply unit type 491-13H is a system designed to safely position and operate anesthesia workstations at different working heights. It consists of a single-arm system with a rotating horizontal swivel arm and a central service column (1900 mm) for the distribution of medical gases, electricity and low voltage connections. A maximum of 10 outlets for medical gases including Airmotor and AGSS can be installed in the upper part of the column. Separate side-boxes provide space for up to 12 electrical power outlets and additional low voltage equipment if necessary. The lower part of the service column contains a telescopic drive to hook up and lift anaesthesia machines with a standardized double pin docking interface.



# Fertigdecke Finished colling

#### Proposal

Service Column	2 x Oxygen O2 1 x Nitrous Oxygen N2O 1 x Medical Air 5 bar	
(rear panel):		
	1 x AGSS	
Side Box (High	8 x Power sockets 230 V	
Voltage):	8 x POAG	
Side Box (Low	2 x Data / Low Voltage	
Voltage):		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 491-16H CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



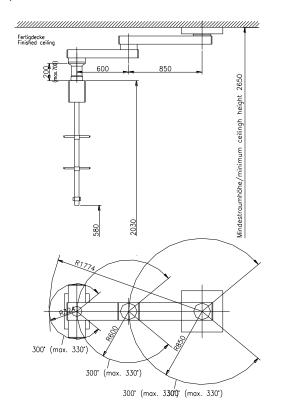
## Туре 492-05

#### **Technical Specifications**

•	Rotation Range: Horizontal swivel arm 1 Horizontal swivel arm 2 Service Column Swivel radius:	300° (max. 330°) 300° (max. 330°) 300° (max. 330°)
•	Swivel radius: Horizontal swivel arm 1 Horizontal swivel arm 2 Payload: Load capacity: Weight: Max. torque: Instrument platform: Ceiling cover:	850 mm (600-1300) 600 mm (600-1300) 180 kg 340 kg approx. 110 kg 3300 Nm 416 x 300 mm 480 x 480 x 150 mm
•	Colour:	RAL 9016, Traffic white

The ceiling supply unit type 492-05 consists of a dual-arm system with two rotating horizontal swivel arms and a horizontal service head (600 or 800 mm wide) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor on its front panel. Up to 12 additional electrical sockets and low voltage connectors can be placed on the back side of the head.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a grip rail on the side of the unit. This way the system can be locked at any desired height. Optionally two vertical stainless steel tubes can be fitted directly underneath the head to accommodate height adjustable platforms and standard 25x10 connection rails.





#### Proposal

Service Column	2 x Oxygen O2 1 x Nitrous Oxygen N2O 1 x Medical Air 5 bar	
(rear panel):		
	1 x AGSS	
	6 x Power sockets 230 V	
Service Column (front panel):		
Service Column	2	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 492-05 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



## Туре 492-11

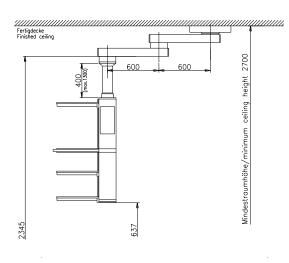
#### **Technical Specifications**

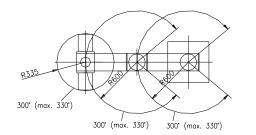
•	Rotation Range: Horizontal swivel arm 1 Horizontal swivel arm 2 Service Column Swivel radius:	300° (max. 330°) 300° (max. 330°) 300° (max. 330°)
	Horizontal swivel arm 1	850 mm (600-1300)
	Horizontal swivel arm 2	600 mm (600-1300)
•	Payload:	180 kg
٠	Load capacity:	340 kg
٠	Instrument platform:	582 x 495 mm
٠	Weight:	approx. 118 kg
٠	Max. torque:	3400 Nm
•	Ceiling cover:	480 x 480 x 150 mm
•	Colour:	RAL 9016, Traffic white

The ceiling supply unit type 492-11 consists of a dual-arm system with two rotating horizontal swivel arms as well as a central service column (1200 mm) which can accommodate up to 12 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for up to three freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.







#### Proposal

Service Column	12 x Power sockets 230 V 12 x POAG	
(rear panel):		
Service Column (rear panel):	2 x Oxygen O2	
	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
Side Box/Panel:	2 x Data / Low Voltage	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 492-11 CE 0123 compliant with MDD 93/42/EEC

## **Planning Documentation**



## Туре 492-12

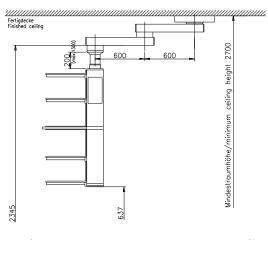
#### **Technical Specifications**

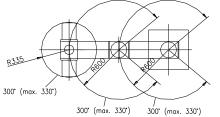
٠	Rotation Range:	
•	Horizontal swivel arm 1	300° (max. 330°)
•	Horizontal swivel arm 2	300° (max. 330°)
•	Service Column	300° (max. 330°)
•	Swivel radius:	
•	Horizontal swivel arm 1	850 mm (600-1300)
•	Horizontal swivel arm 2	600 mm (600-1300)
•	Payload:	180 kg
•	Load capacity:	340 kg
•	Instrument platform:	582 x 495 mm
•	Weight:	approx. 124 kg
•	Max. torque:	3500 Nm
•	Ceiling cover:	480 x 480 x 150 mm
•	Colour:	RAL 9016, Traffic white

The ceiling supply unit type 492-12 consists of a dual-arm system with two rotating horizontal swivel arms as well as a central service column (1400 mm) which can accommodate up to 12 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 15 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for up to three freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.







#### Proposal

e

Service Column (rear panel):	12 x Power sockets 230 V
	12 x POAG
Service Column (rear panel):	2 x Oxygen O2
	1 x Nitrous Oxygen N2O
	1 x Medical Air 5 bar
	2 x Vacuum
	1 x AGSS
Side Box/Panel:	2 x Data / Low Voltage

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 492-12 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**



### Туре 492-15

#### **Technical Specifications**

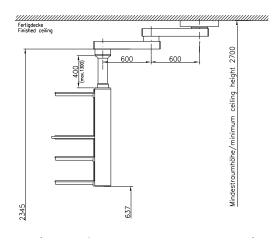
• • •	Rotation Range: Horizontal swivel arm 1 Horizontal swivel arm 2 Service Column	300° (max. 330°) 300° (max. 330°) 300° (max. 330°)
•	Swivel radius: Horizontal swivel arm 1	850 mm (600-1300)
•	Horizontal swivel arm 2	600 mm (600-1300)
٠	Payload:	150 kg
٠	Load capacity:	340 kg
٠	Instrument platform:	582 x 495 mm
٠	Weight:	approx. 130 kg
٠	Max. torque:	3500 Nm
٠	Ceiling cover:	480 x 480 x 150 mm
•	Colour:	RAL 9016, Traffic white

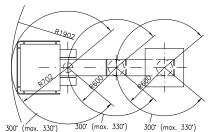
The ceiling supply unit type 492-15 is a system designed to provide solutions for an intelligent and space saving cable management in operating environments that require large numbers of medical electrical devices.

It consists of a dual-arm system with two rotating horizontal swivel arms and a central service column for the distribution of medical gases, electricity and low voltage connections.

Separate compartments on the sides of the system provide an integrated cable management for cables of different shapes and diameters. Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for up to three freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.







#### Proposal

Service Column	15 x Power sockets 230 V
(rear panel):	15 x POAG
Service Column (rear panel):	2 x Data / Low Voltage
(real parier).	
Service Column	2 x Oxygen O2
(rear panel):	1 x Nitrous Oxygen N2O
	1 x Medical Air 5 bar
	2 x Vacuum
	1 x AGSS

#### **Cable Management**

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 492-15 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**

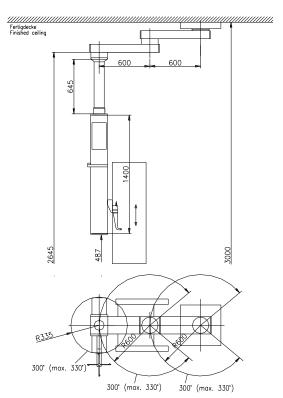


### Туре 492-13Н

<b>Technical</b>	Spec	ificati	ions

<ul> <li>Rotation Range: Horizontal swivel arm Horizontal swivel arm Service Column</li> <li>Swivel radius:</li> </ul>	
Horizontal swivel arm	1 600 mm
Horizontal swivel arm	1 2 600 mm
Payload:	150 (120+30) kg
<ul> <li>Load capacity:</li> </ul>	410 kg
Weight:	approx. 125 kg
Max. torque:	3300 Nm
Ceiling cover:	480 x 480 x 150 mm
Colour:	RAL 9016, Traffic white
Power Consumption:	890 W
• Lift (Speed):	300mm (11 mm/s)
Supply Voltage:	230 V

The ceiling supply unit type 492-13H is a system designed to safely position and operate anesthesia workstations at different working heights. It consists of a dual-arm system with two rotating horizontal swivel arms and a central service column (1400mm) for the distribution of medical gases, electricity and low voltage connections. A maximum of 10 outlets for medical gases including Airmotor and AGSS can be installed in the upper part of the column. Separate side-boxes provide space for up to 12 electrical power outlets and additional low voltage equipment if necessary. The lower part of the service column contains a telescopic drive to hook up and lift anaesthesia machines with a standardized double pin docking interface.





Proposa	ı
пороза	•

Make:	Pneumatik Berlin GmbH PTM
Side Box (Low Voltage):	2 x Data / Low Voltage
Voltage):	8 x POAG
Side Box (High	8 x Power sockets 230 V
	1 x AGSS
	2 x Vacuum
	1 x Medical Air 5 bar
(rear panel):	1 x Nitrous Oxygen N2O
Service Column	2 x Oxygen O2

Order-Nr.: TD 492-13H CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**

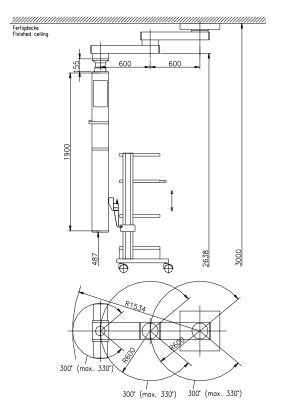


### Туре 492-16Н

<b>Technical</b>	Spe	cific	atio	ns

<ul> <li>Rotation Range: Horizontal swivel arm 1 Horizontal swivel arm 2 Service Column</li> <li>Swivel radius:</li> </ul>	300° (max. 330°) 300° (max. 330°) 300° (max. 330°)
Horizontal swivel arm 1	600 mm
Horizontal swivel arm 2	600 mm
Payload:	150 (120+30) kg
Load capacity:	410 kg
• Weight:	approx. 125 kg
Max. torque:	3300 Nm
Ceiling cover:	480 x 480 x 150 mm
Colour:	RAL 9016, Traffic white
Power Consumption:	890 W
• Lift (Speed):	600mm (11 mm/s)
Supply Voltage:	230 V

The ceiling supply unit type 492-16H is a system designed to safely position and operate anesthesia workstations at different working heights. It consists of a dual-arm system with two rotating horizontal swivel arms and a central service column (1900mm) for the distribution of medical gases, electricity and low voltage connections. A maximum of 10 outlets for medical gases including AGSS can be installed in the upper part of the column. Separate side-boxes provide space for up to 12 electrical power outlets and additional low voltage equipment if necessary. The lower part of the service column contains a telescopic drive to hook up and lift anaesthesia machines with a standardized double pin docking interface.





#### Proposal

Make:	Pneumatik Berlin GmbH PTM	
Side Box (Low Voltage):	2 x Data / Low Voltage	
Side Box (High Voltage):	8 x Power sockets 230 V 8 x POAG	
	1 x AGSS	
	2 x Vacuum	
	1 x Medical Air 5 bar	
(rear panel):	1 x Nitrous Oxygen N2O	
Service Column	2 x Oxygen O2	

ake: Pneumatik Berlin GmbH PTM Order-Nr.: TD 492-16H CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**



#### Type 462-01

#### **Technical Specifications**

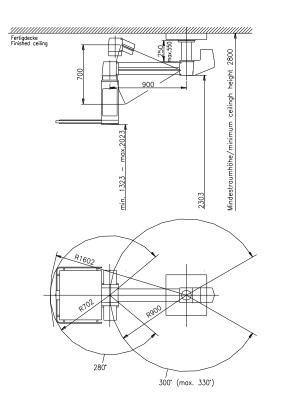
•	Rotation Range:		
	Vertical swivel arm:	300° (	
	Service head:	300°	
	с · , , , , , , , , , , , , , , , , , ,		

- Swivel radius: Vertical swivel arm:
- Lift:
- Payload:
- Load capacity (Arm)
- Weight:
- Max. torque:
- Instrument platform: • Ceiling cover: •
- Colour:

- (max 330°) (max 330°)
- 900 mm 700 mm 100 kg 125 kg
- approx. 98 kg 1720 Nm 582 x 495 mm
- 480 x 480 x 75 mm RAL 9016, Traffic white
- 230 V, 115 V, 110 V Supply Voltage:

The ceiling supply unit type 462-01 consists of a single-arm system with rotating vertical swivel arm as well as a central service column (500mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor. Up to 12 additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fix instrument platform. This way the system can be locked at any desired height. Additional accessories can be attached on standard rails with 25x10 connector clamps.





Proposal

Service Column (rear panel):	2 x Oxygen O2 1 x Nitrous Oxygen N2O 1 x Medical Air 5 bar 2 x Vacuum
	1 x AGSS
Side Box (high voltage):	8 x Power sockets 230 V 8 x POAG
Side Box (low voltage):	2 x Data / Low Voltage

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 462-01 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**



#### Type 462-02

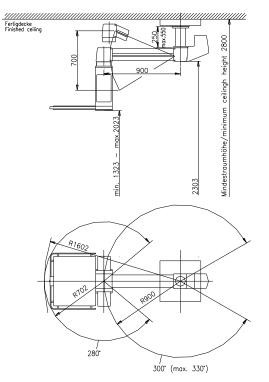
#### **Technical Specifications**

- **Rotation Range:** Vertical swivel arm: Service head: Swivel radius:
- Vertical swivel arm:
- Lift: Payload:
- Load capacity (Arm)
- Weight:
- Max. torque: • Instrument platform: •
- Ceiling cover: •
- Colour:
- Supply Voltage:

- 300° (max 330°) 300° (max 330°)
- 900 mm 700 mm 95 kg
- 125 kg approx. 104 kg 1730 Nm
- 582 x 495 mm 480 x 480 x 75 mm RAL 9016, Traffic white
- 230 V, 115 V, 110 V

The ceiling supply unit type 462-02 consists of a single-arm system with rotating vertical swivel arm and a central service column (500 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor. Up to 12 additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fixed instrument platform. This way the system can be locked at any desired height. Two vertical rails provide strong support for a second freely height adjustable platform, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column (rear panel):	2 x Oxygen O2	
	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
Side Box	8 x Power sockets 230 V	
(high voltage):	8 x POAG	
Side Box	2 x Data / Low Voltage	
(low voltage):		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 462-02 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**



### Type 462-03

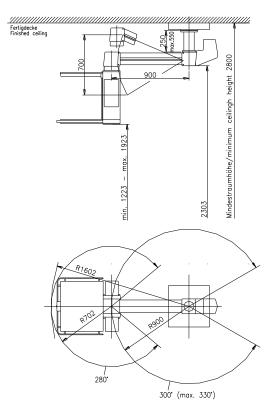
#### **Technical Specifications**

- **Rotation Range:** Vertical swivel arm: Service head: Swivel radius:
- Vertical swivel arm:
- Lift: Payload:
- Load capacity (Arm)
- Weight:
- Max. torque:
- Instrument platform: • Ceiling cover:
- .
- Colour:
- Supply Voltage:

- 300° (max 330°) 300° (max 330°)
- 900 mm 700 mm 90 kg 125 kg approx. 106 kg
  - 1685 Nm 582 x 495 mm
  - 480 x 480 x 75 mm RAL 9016, Traffic white
- 230 V, 115 V, 110 V

The ceiling supply unit type 462-03 consists of a single-arm system with rotating vertical swivel arm and a central service column (600 mm) which can accommodate up to 12 terminal units for medical gases including outlets for AGSS and Airmotor. Up to 12 additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fixed instrument platform. This way the system can be locked at any desired height. Two vertical rails provide strong support for a second freely height adjustable platform, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column (rear panel):	2 x Oxygen O2
	1 x Nitrous Oxygen N2O
	1 x Medical Air 5 bar
	2 x Vacuum
	1 x AGSS
Side Box	8 x Power sockets 230 V
(high voltage):	8 x POAG
Side Box	2 x Data / Low Voltage
(low voltage):	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 462-03 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**



### Туре 462-04

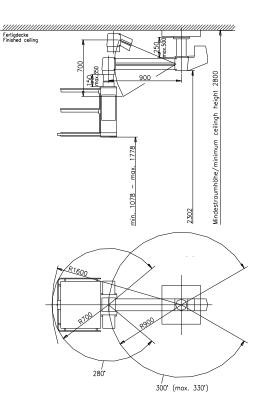
#### **Technical Specifications**

- Rotation Range: Vertical swivel arm: 300° ( Service head: 300°
   Swivel radius:
- Vertical swivel arm:
- Lift:Payload:
- Load capacity (Arm)
- Load capacity (Anni Waight:
- Weight:Max. tor
- Max. torque:Instrument platform:
- Instrument platforf
  Ceiling cover:
- Celling d
  Colour:
- Colour.
   Supply Voltage
- Supply Voltage:

- 300° (max 330°) 300 ° (max 330°)
- 900 mm 700 mm 80 kg 125 kg
- approx. 119 kg 1700 Nm 582 x 495 mm
  - 480 x 480 x 75 mm RAL 9016, Traffic white
- Voltage: 230 V, 115 V, 110 V

The ceiling supply unit type 462-04 consists of a single-arm system with rotating vertical swivel arm and a central service column (600 mm) which can accommodate up to 12 terminal units for medical gases including outlets for AGSS and Airmotor. Up to 12 additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fixed instrument platform. This way the system can be locked at any desired height. Two vertical rails provide strong support for a second freely height adjustable platform, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column (rear panel):	2 x Oxygen O2	
	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
Side Box	8 x Power sockets 230 V	
(high voltage):	8 x POAG	
Side Box	2 x Data / Low Voltage	
(low voltage):		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 462-04 CE 0123 compliant with MDD 93/42/EEC

### Planning Documentation



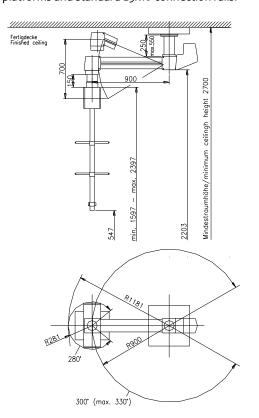
### Туре 462-05

#### **Technical Specifications**

- Rotation Range: Vertical swivel arm: 30 Service head: 30
   Swivel radius:
- Vertical swivel arm:
- Lift:
- Payload:
- Load capacity (Arm)
- Weight:
- Max. torque:
- Instrument platform:
- Ceiling cover:
- Colour:
- Supply Voltage:

- 300° (max 330°) 300 ° (max 330°)
- 900 mm 700 mm 85 kg 125 kg approx. 111 kg 1460 Nm 400 x 300 mm
- 480 x 480 x 75 mm RAL 9016, Traffic white
- ge: 230 V, 115 V, 110 V

The ceiling supply unit type 462-05 consists of a single-arm system with rotating vertical swivel arm and a horizontal service head (600 or 800 mm wide) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor on its front panel. Up to 12 additional electrical sockets and low voltage connectors can be placed on the back side of the head. Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a grip rail on the side of the unit. This way the system can be locked at any desired height. Optionally two vertical stainless steel tubes can be fitted directly underneath the head to accommodate height adjustable platforms and standard 25x10 connection rails.





#### Proposal

Service Column	2 x Oxygen O2	
(rear panel):	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
Side Box	6 x Power sockets 230 V	
(high voltage):	6 x POAG	
Side Box	2 x Data / Low Voltage	
(low voltage):		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 462-05 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**



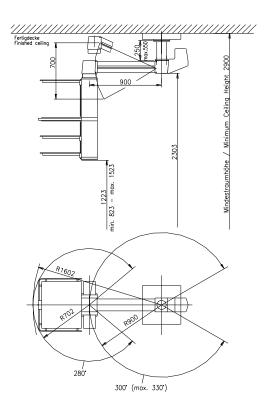
#### Туре 462-10

#### **Technical Specifications**

- Rotation Range: Vertical swivel arm: 300 Service Column: 300
- Swivel radius: Vertical swivel arm:
- Lift:
- Payload:
- Load capacity (Arm)
- Weight:
- Max. torque:
- Instrument platform:
- Ceiling cover:
- Colour:
- Supply Voltage:

- 300° (max 330°) 300 ° (max 330°)
- 900 mm 700 mm 80 kg 125 kg approx. 120 kg 1730 Nm 582 x 495 mm 480 x 480 x 75 mm
  - RAL 9016, Traffic white 230 V, 115 V, 110 V

The ceiling supply unit type 462-10 consists of a single-arm system with rotating vertical swivel arm and a central service column (1000 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels. Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fixed instrument platform. This way the system can be locked at any desired height. Vertical rails provide strong support for two freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column 12 x Power sockets 230 V	
(rear panel):	12 x POAG
Service Column	2 x Oxygen O2
(rear panel): 1>	1 x Nitrous Oxygen N2O
	1 x Medical Air 5 bar
	2 x Vacuum
	1 x AGSS
Side Box/Panel:	2 x Data / Low Voltage

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 462-10 CE 0123 compliant with MDD 93/42/EEC

### Planning Documentation



### Туре 462-15

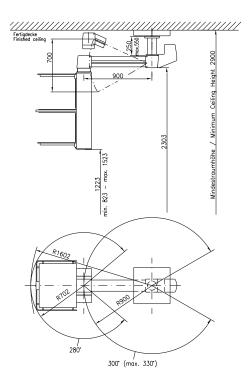
#### **Technical Specifications**

- Rotation Range: Vertical swivel arm: 30 Service Column: 30
- Swivel radius: Vertical swivel arm:
- Lift:
- Payload:
- Load capacity (Arm)
- Weight:
- Max. torque:
- Instrument platform:
- Ceiling cover:
- Colour:
- Supply Voltage:

- 300° (max 330°) 300 ° (max 330°)
- 900 mm 700 mm 60 kg 125 kg approx. 140 kg 1730 Nm 582 x 495 mm 480 x 480 x 75 mm RAL 9016, Traffic white
- e: 230 V, 115 V, 110 V

The ceiling supply unit type 462-15 is a system designed to provide solutions for an intelligent and space saving cable management in operating environments that require large numbers of medical electrical devices. It consists of a single-arm system with rotating vertical swivel arm and a central service column for the distribution of medical gases, electricity and low voltage connections. Separate compartments on the sides of the system provide an integrated cable management for cables of different shapes and diameters. Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fixed instrument platform.

Two vertical rails provide strong support for two freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column	12 x Power sockets 230 V	
(rear panel):	12 x POAG	
Service Column		
	2 x Oxygen O2	
(rear panel):	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
Service Column rear panel):	2 x Data / Low Voltage	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 462-15 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**

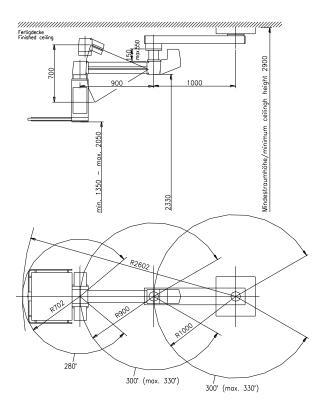


### Туре 463-01

Technical	Specif	ications

<ul> <li>Rotation Range: Horizontal swivel arm: Vertical swivel arm: Service Column:</li> <li>Swivel radius:</li> </ul>	300° (max 330°) 300° (max 330°) 300° (max 330°)
Horizontal swivel arm:	1000 (600-1300) mm
Vertical swivel arm:	900 mm
• Lift:	700 mm
Payload:	100 kg
<ul> <li>Load capacity (Arm)</li> </ul>	125 kg
• Weight:	approx. 127 kg
Max. torque:	3655 Nm
<ul> <li>Instrument platform:</li> </ul>	582 x 495 mm
Ceiling cover:	480 x 480 x 75 mm
Colour:	RAL 9016, Traffic white
Supply Voltage:	230 V, 115 V, 110 V

The ceiling supply unit type 463-01 consists of a dual-arm system with rotating horizontal and vertical swivel arm as well as a central service column (500mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor. Up to 12 additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels. Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fix instrument platform. This way the system can be locked at any desired height. Additional accessories can be attached on standard rails with 25x10 connector clamps.





#### Proposal

Service Column	2 x Oxygen O2
(rear panel):	1 x Nitrous Oxygen N2O
	1 x Medical Air 5 bar
	2 x Vacuum
	1 x AGSS
Side Box	8 x Power sockets 230 V
(high voltage):	8 x POAG
Side Box	2 x Data / Low Voltage
(low voltage):	

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 463-01 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**

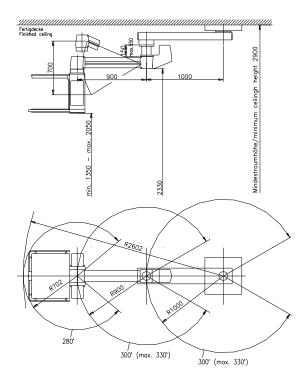


### Туре 463-02

Technical	Specif	ications

•	Rotation Range: Horizontal swivel arm: Vertical swivel arm: Service Column: Swivel radius:	300° (max 330°) 300° (max 330°) 300° (max 330°)
	Horizontal swivel arm:	1000 (600-1300) mm
	Vertical swivel arm:	900 mm
•	Lift:	700 mm
•	Payload:	95 kg
•	Load capacity (Arm)	125 kg
•	Weight:	approx. 132 kg
•	Max. torque:	3670 Nm
•	Instrument platform:	582 x 495 mm
•	Ceiling cover:	480 x 480 x 75 mm
•	Colour:	RAL 9016, Traffic white
•	Supply Voltage:	230 V, 115 V, 110 V

The ceiling supply unit type 463-02 consists of a dual-arm system with rotating horizontal and vertical swivel arm as well as a central service column (500mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor. Up to 12 additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels. Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fixed instrument platform. This way the system can be locked at any desired height. Two vertical rails provide strong support for a second freely height adjustable platform, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column (rear panel):	2 x Oxygen O2	
	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
Side Box	8 x Power sockets 230 V	
(high voltage):	8 x POAG	
Side Box	2 x Data / Low Voltage	
(low voltage):		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 463-02 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**

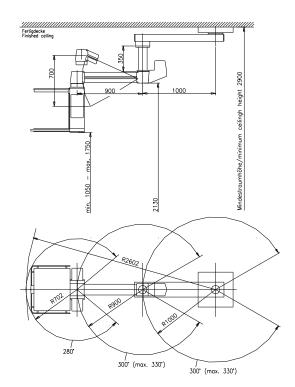


### Туре 463-03

#### **Technical Specifications**

•	Rotation Range: Horizontal swivel arm: Vertical swivel arm: Service Column: Swivel radius:	300° (max 330°) 300° (max 330°) 300° (max 330°)
	Horizontal swivel arm:	1000 (600-1300) mm
	Vertical swivel arm:	900 mm
•	Lift:	700 mm
•	Payload:	85 kg
•	Load capacity (Arm)	125 kg
•	Weight:	approx. 134 kg
•	Max. torque:	3490 Nm
•	Instrument platform:	582 x 495 mm
•	Ceiling cover:	480 x 480 x 75 mm
•	Colour:	RAL 9016, Traffic white
•	Supply Voltage:	230 V, 115 V, 110 V

The ceiling supply unit type 463-03 consists of a dual-arm system with rotating horizontal and vertical swivel arm as well as a central service column (600 mm) which can accommodate up to 12 terminal units for medical gases including outlets for AGSS and Airmotor. Up to 12 additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels. Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fixed instrument platform. This way the system can be locked at any desired height. Two vertical rails provide strong support for a second freely height adjustable platform, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column	2 x Oxygen O2		
(rear panel):	1 x Nitrous Oxygen N2O		
	1 x Medical Air 5 bar		
	2 x Vacuum		
	1 x AGSS		
Side Box	8 x Power sockets 230 V		
(high voltage):	8 x POAG		
Side Box	2 x Data / Low Voltage		
(low voltage):			

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 463-03 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**

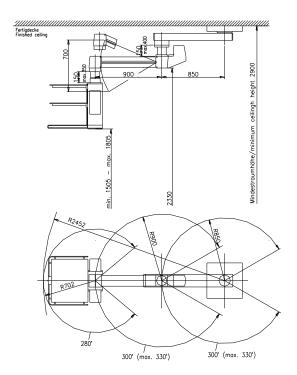


### Туре 463-04

Technical	Specif	ications

<ul> <li>Rotation Range: Horizontal swivel arm: Vertical swivel arm: Service Column:</li> <li>Swivel radius:</li> </ul>	300° (max 330°) 300° (max 330°) 300° (max 330°)
Horizontal swivel arm:	1000 (600-1300) mm
Vertical swivel arm:	900 mm
• Lift:	700 mm
Payload:	80 kg
<ul> <li>Load capacity (Arm)</li> </ul>	125 kg
• Weight:	approx. 147 kg
Max. torque:	3635 Nm
<ul> <li>Instrument platform:</li> </ul>	582 x 495 mm
Ceiling cover:	480 x 480 x 75 mm
Colour:	RAL 9016, Traffic white
Supply Voltage:	230 V, 115 V, 110 V

The ceiling supply unit type 463-04 consists of a dual-arm system with rotating horizontal and vertical swivel arm as well as a central service column (600 mm) which can accommodate up to 12 terminal units for medical gases including outlets for AGSS and Airmotor. Up to 12 additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels. Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fixed instrument platform. This way the system can be locked at any desired height. Two vertical rails provide strong support for a second freely height adjustable platform, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column	2 x Oxygen O2		
(rear panel):	1 x Nitrous Oxygen N2O		
	1 x Medical Air 5 bar		
	2 x Vacuum		
	1 x AGSS		
Side Box	8 x Power sockets 230 V		
(high voltage):	8 x POAG		
Side Box	2 x Data / Low Voltage		
(low voltage):			

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 463-04 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**



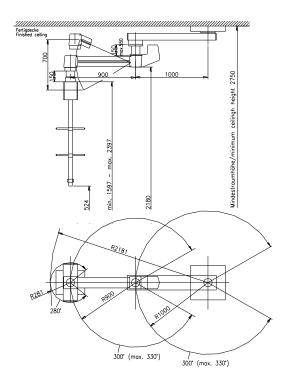
### Туре 463-05

Technical	Specif	ications

•	Rotation Range: Horizontal swivel arm: Vertical swivel arm: Service Column: Swivel radius:	300° (max 330°) 300° (max 330°) 300° (max 330°)
	Horizontal swivel arm:	1000 (600-1300) mm
	Vertical swivel arm:	900 mm
•	Lift:	700 mm
•	Payload:	85 kg
•	Load capacity (Arm)	125 kg
•	Weight:	approx. 135 kg
•	Max. torque:	3335 Nm
•	Instrument platform:	400 x 300 mm
•	Ceiling cover:	480 x 480 x 75 mm
•	Colour:	RAL 9016, Traffic white
•	Supply Voltage:	230 V, 115 V, 110 V

The ceiling supply unit type 463-05 consists of a dual-arm system with rotating horizontal and vertical swivel arm and a horizontal service head (600 or 800 mm wide) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor on its front panel. Up to 12 additional electrical sockets and low voltage connectors can be placed on the back side of the head.

Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a grip rail on the side of the unit. This way the system can be locked at any desired height. Optionally two vertical stainless steel tubes can be fitted directly underneath the head to accommodate height adjustable platforms and standard 25x10 connection rails.





#### Proposal

Service Column	2 x Oxygen O2 1 x Nitrous Oxygen N2O 1 x Medical Air 5 bar		
(rear panel):			
	2 x Vacuum		
	1 x AGSS		
Side Box	8 x Power sockets 230 V		
(high voltage):	8 x POAG		
Side Box	2 x Data / Low Voltage		
(low voltage):			

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 463-05 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**



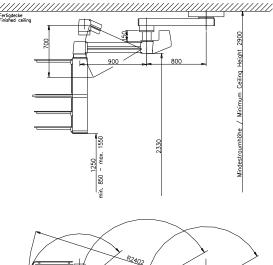
### Туре 463-10

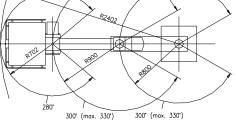
<b>Technical</b>	Sp	ecifi	catic	ons

<ul> <li>Rotation Range: Horizontal swivel arm: Vertical swivel arm: Service Column:</li> <li>Swivel radius:</li> </ul>	300° (max 330°) 300° (max 330°) 300° (max 330°)
Horizontal swivel arm:	1000 (600-1300) mm
Vertical swivel arm:	900 mm
• Lift:	700 mm
Payload:	75 kg
<ul> <li>Load capacity (Arm)</li> </ul>	125 kg
• Weight:	approx. 150 kg
Max. torque:	3580 Nm
<ul> <li>Instrument platform:</li> </ul>	582 x 495 mm
Ceiling cover:	480 x 480 x 75 mm
Colour:	RAL 9016, Traffic white
Supply Voltage:	230 V, 115 V, 110 V

The ceiling supply unit type 463-10 consists of a dual-arm system with rotating horizontal and vertical swivel arm as well as a central service column (1000 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fixed instrument platform. This way the system can be locked at any desired height. Vertical rails provide strong support for two freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.







#### Proposal

Service Column	12 x Power sockets 230 V		
(rear panel):	12 x POAG		
Service Column			
	2 x Oxygen O2		
(rear panel):	1 x Nitrous Oxygen N2O		
	1 x Medical Air 5 bar		
	2 x Vacuum		
	1 x AGSS		
Side Box/Panel:	2 x Data / Low Voltage		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 463-10 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**

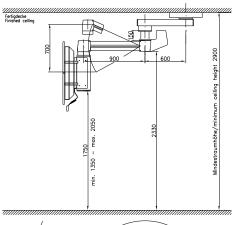


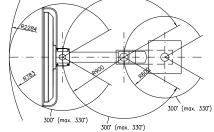
### Туре 463-14

Technical	Sp	ecifi	icat	ior	าร

<ul> <li>Rotation Range: Horizontal swivel arm: Vertical swivel arm: Service Column:</li> <li>Swivel radius:</li> </ul>	300° (max 330°) 300° (max 330°) 300° (max 330°)
Horizontal swivel arm:	1000 (600-1300) mm
Vertical swivel arm:	900 mm
• Lift:	700 mm
Payload:	90 kg
<ul> <li>Load capacity (Arm)</li> </ul>	125 kg
• Weight:	approx. 150 kg
Max. torque:	3580 Nm
<ul> <li>Instrument platform:</li> </ul>	582 x 495 mm
Ceiling cover:	480 x 480 x 75 mm
Colour:	RAL 9016, Traffic white
Supply Voltage:	230 V, 115 V, 110 V

The ceiling supply unit type 463-14 is designed to provide optimal positioning of large screen systems in the operating environment. It consists of a dual-arm system with rotating horizontal and vertical swivel arms as well as a central service column for additional power sockets and low voltage installations. The height level can be adjusted with a single-switch remote control which operates a maintenance-free electric motor. This way the vertical arm can be locked at any desired height. An integrated VESA 400 mount allows for a stable and standardized attachment of the monitoring system. Its circumferential grip frame protects the system against collisions and allows easy movement and safe positioning.







#### Proposal

Service Column	2 x Power sockets 230 V
(rear panel):	2 x POAG
Service Column (rear panel):	2 x Data / Low Voltage
Monitor Support	VESA 400 for large screen TFT

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 463-14 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**



### Туре 463-15

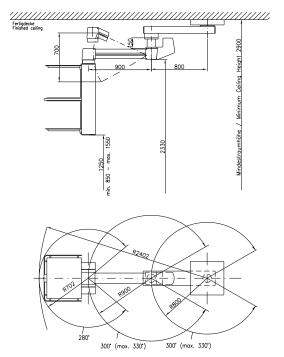
Technical	Sp	ecifi	catio	ons

<ul> <li>Rotation Range: Horizontal swivel arm: Vertical swivel arm: Service Column:</li> <li>Swivel radius:</li> </ul>	300° (max 330°) 300° (max 330°) 300° (max 330°)
Horizontal swivel arm:	1000 (600-1300) mm
Vertical swivel arm:	900 mm
• Lift:	700 mm
Payload:	75 kg
<ul> <li>Load capacity (Arm)</li> </ul>	125 kg
Weight:	approx. 170 kg
Max. torque:	3580 Nm
<ul> <li>Instrument platform:</li> </ul>	582 x 495 mm
Ceiling cover:	480 x 480 x 75 mm
Colour:	RAL 9016, Traffic white
<ul> <li>Supply Voltage:</li> </ul>	230 V, 115 V, 110 V

The ceiling supply unit type 463-15 is a system designed to provide solutions for an intelligent and space saving cable management in operating environments that require large numbers of medical electrical devices. It consists of a dual-arm system with rotating horizontal and vertical swivel arm as well as a central service column for the distribution of medical gases, electricity and low voltage connections.

Separate compartments on the sides of the system provide an integrated cable management for cables of different shapes and diameters. Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fixed instrument platform.

Two vertical rails provide strong support for two freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.





#### Proposal

Service Column	12 x Power sockets 230 V	
(rear panel):	12 x POAG	
Service Column	2 x Oxygen O2	
(rear panel):	1 x Nitrous Oxygen N2O	
	1 x Medical Air 5 bar	
	2 x Vacuum	
	1 x AGSS	
Service Column	2 x Data / Low Voltage	
(rear panel):		

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 463-15 CE 0123 compliant with MDD 93/42/EEC Planning Documentation



# **Tandem Combinations**



#### Pneumatik Berlin GmbH PTM

Falkenberger Straße 40 D-13088 Berlin Germany

Tel: +49 / 30 / 92 70 10 -0 Fax: +49 / 30 / 926 81 32 info@pneumatik-berlin.de www.pneumatik-berlin.de **Planning Documentation** 



### **Planning Documentation**



### Туре 291-03/292-10

#### **Technical Specifications (Whole Unit)**

<ul><li>Weight:</li><li>Max. torque:</li><li>Ceiling Cover:</li><li>Colour:</li></ul>	approx. 238 kg 6960 Nm 590 x 590 x 75 mm RAL 9016, Traffic White
<u>Boom 1 (291-03)</u>	
<ul> <li>Rotation Range: Horizontal swivel arm Service Column</li> <li>Swivel radius: Horizontal swivel arm</li> <li>Payload:</li> </ul>	300° (max. 330°)
<u>Boom 2 (292-10)</u>	
<ul> <li>Rotation Range: Horizontal swivel arm Horizontal swivel arm Service Column</li> <li>Swivel radius: Horizontal swivel arm Horizontal swivel arm</li> <li>Payload:</li> </ul>	n 2 300° (max. 330°) 300° (max. 330°) n 1 1000 mm



#### Boom 1

The ceiling supply unit type 291-03 consists of a single-arm system with a rotating horizontal swivel arm as well as a central service column (600 mm) which can accommodate up to 12 terminal units for medical gases including outlets for AGSS and Airmotor or a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for a freely height adjustable instrument platform, drawers as well as additional accessories with standard 25x10 connector clamps.

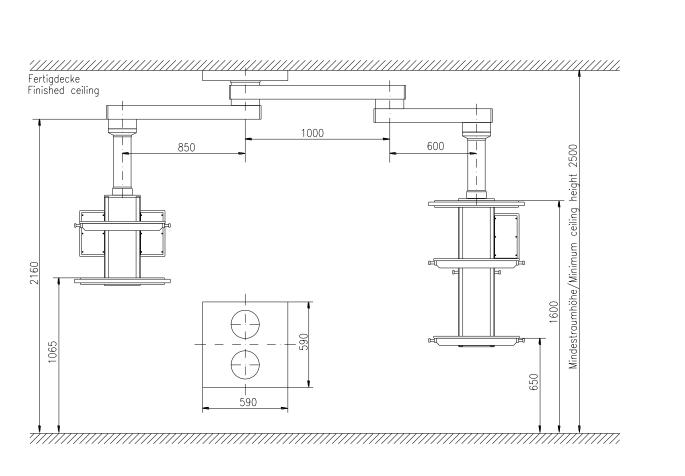
#### Boom 2

The ceiling supply unit type 292-10 consists of a dual-arm system with two rotating horizontal swivel arms as well as a central service column (1000 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for two freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.

## **Planning Documentation**



Boom 1 (291-03)		Boom 2 (292-10)	
Side Box/Panel:	Box/Panel:8 x Power Sockets 230 VService Column8 x POAG(Rear Panel):	Service Column	12 x Power Sockets 230 V
		(Rear Panel):	12 x POAG
Service Column	2 x Oxygen O2	Service Column	2 x Oxygen O2
(Rear Panel):	1 x Carbondioxide CO2	(Rear Panel):	1 x Nitrous Oxygen N2O
	1 x Medical Air 5 bar		1 x Medical Air 5 bar
	2 x Vacuum		2 x Vacuum
	1 x Airmotor		1 x AGSS
Side Box/Panel:	2 x Data / Low Voltage	Side Box/Panel:	2 x Data / Low Voltage

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 291-03/292-10 CE 0123 compliant with MDD 93/42/EEC



### **Planning Documentation**



#### Type 272-01/292-10

#### **Technical Specifications (Whole Unit)**

<ul><li>Weight:</li><li>Max. torque:</li><li>Ceiling Cover:</li><li>Colour:</li></ul>	approx. 229 kg 6795 Nm 590 x 590 x 75 mm RAL 9016, Traffic White
<u>Boom 1 (272-01)</u>	
<ul> <li>Rotation Range: Horizontal swivel arn Horizontal swivel arn Service Column</li> <li>Swivel radius: Horizontal swivel arn Horizontal swivel arn</li> <li>Payload:</li> </ul>	12 300° (max. 330°) 300° (max. 330°)
<u>Boom 21 (292-10)</u>	
<ul> <li>Rotation Range: Horizontal swivel arn Horizontal swivel arn Service Column</li> <li>Swivel radius: Horizontal swivel arn</li> </ul>	300° (max. 330°) 300° (max. 330°)
<ul><li>Horizontal swivel arm</li><li>Payload:</li></ul>	n 2 600 mm 150 kg



#### Boom 1

The ceiling supply unit type 272-01 consists of a dual-arm system with two rotating horizontal swivel arms as well as a central service column (500 mm) which can accommodate a maximum of 12 power sockets and data. Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a 3-sided grip rail. Vertical rails provide strong support for two infusion poles with adjustable hooks for infusion bottles as well as additional accessories with standard 25x10 connector clamps.

#### Boom 2

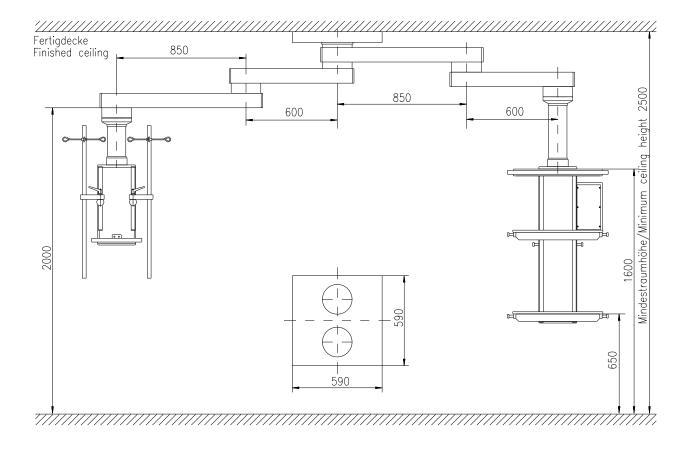
The ceiling supply unit type 292-10 consists of a dual-arm system with two rotating horizontal swivel arms as well as a central service column (1000 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for two freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.

## **Planning Documentation**





Boom 1 (272-01)		Boom 2 (292-10)	
Service Column	12 x Power Sockets 230 V	Service Column	12 x Power Sockets 230 V
(Rear Panel): 12 x POAG	(Rear Panel):	12 x POAG	
		Service Column	2 x Oxygen O2
		(Rear Panel):	1 x Nitrous Oxygen N2O
			1 x Medical Air 5 bar
			2 x Vacuum
			1 x AGSS
		Side Box/Panel:	2 x Data / Low Voltage

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 272-01/292-10 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**



#### Туре 292-10/292-10

#### **Technical Specifications (Whole Unit)**

<ul><li>Weight:</li><li>Max. torque:</li><li>Ceiling Cover:</li><li>Colour:</li></ul>	approx. 260 kg 8560 Nm 590 x 590 x 75 mm RAL 9016, Traffic White
<u>Boom 1 (272-01)</u>	
<ul> <li>Rotation Range: Horizontal swivel arr Horizontal swivel arr Service Column</li> <li>Swivel radius: Horizontal swivel arr Horizontal swivel arr</li> <li>Payload:</li> </ul>	n 2 300° (max. 330°) 300° (max. 330°) n 1 600 mm
<u>Boom 21 (292-10)</u>	
<ul> <li>Rotation Range: Horizontal swivel arm Horizontal swivel arm Service Column</li> <li>Swivel radius:</li> </ul>	J== (
<ul> <li>Horizontal swivel arr Horizontal swivel arr</li> <li>Payload:</li> </ul>	



#### Boom 1

The ceiling supply unit type 292-10 consists of a dual-arm system with two rotating horizontal swivel arms as well as a central service column (1000 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 12 power sockets and data. Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for two freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.

#### Boom 2

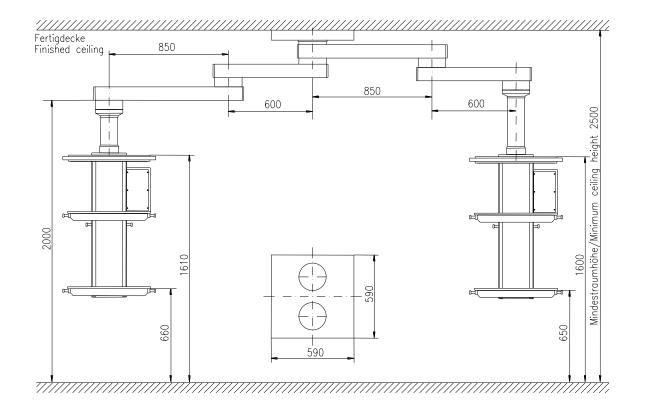
The ceiling supply unit type 292-10 consists of a dual-arm system with two rotating horizontal swivel arms as well as a central service column (1000 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 12 power sockets and data . Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for two freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.

## **Planning Documentation**





Proposal			
Boom 1 (272-01)		Boom 2 (292-10)	
Service Column	12 x Power Sockets 230 V	Service Column	12 x Power Sockets 230 V
(Rear Panel):	12 x POAG	(Rear Panel):	12 x POAG
Service Column	2 x Oxygen O2	Service Column	2 x Oxygen O2
(Rear Panel):	2 x Medical Air 5 bar	(Rear Panel):	2 x Medical Air 5 bar
	2 x Vacuum		2 x Vacuum
Side Box/Panel:	2 x Data / Low Voltage	Side Box/Panel:	2 x Data / Low Voltage

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 292-10/292-10 CE 0123 compliant with MDD 93/42/EEC

### **Planning Documentation**



### Туре 363-01/292-10

#### **Technical Specifications (Whole Unit)**

	. torque: ng Cover:		U
<u>Boom 1</u>	<u>(272-01)</u>		
Hori Vert Serv Swid Hori Vert Lift:	ation Range : izontal swivel arm ical swivel arm: vice Column: cel Radius: izontal swivel arm ical swivel arm: oad:	-	300° (max 330°) 300° (max 330°) 300° (max 330°) 850 mm 900 mm 700 mm 75 kg
Boom 2	<u>(292-10)</u>		
Hori Hori Serv	ation Range: izontal swivel arm izontal swivel arm vice Column vel radius:		300° (max. 330°) 300° (max. 330°) 300° (max. 330°)
Hori Hori	izontal swivel arm izontal swivel arm oad:		1000 mm 850 mm 150 kg



#### Boom 1

The ceiling supply unit type 363-01 consists of a dual-arm system with rotating horizontal and vertical swivel arm as well as a central service column (500mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor. Up to 12 additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system and a two-way switch to operate the motorized swivel arm are integrated into a fix instrument platform. This way the system can be locked at any desired height. Additional accessories can be attached on standard rails with 25x10 connector clamps.

#### Boom 2

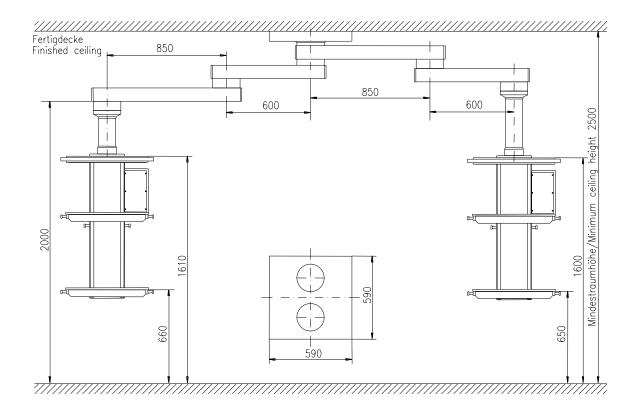
The ceiling supply unit type 292-10 consists of a dual-arm system with two rotating horizontal swivel arms as well as a central service column (1000 mm) which can accommodate up to 10 terminal units for medical gases including outlets for AGSS and Airmotor and a maximum of 12 power sockets and data. Additional electrical sockets and low voltage connectors can be placed on separate side boxes / panels.

Color-coded buttons for the safe operation of the optional pneumatic brake system are integrated into a fixed instrument platform.

Vertical rails provide strong support for two freely height adjustable platforms, drawers as well as additional accessories with standard 25x10 connector clamps.

### **Planning Documentation**





Proposal			
Boom 1 (363-01)		Boom 2 (292-10)	
Service Column (Rear Panel):	2 x Oxygen O2 1 x Carbondioxide CO2 1 x Medical Air 5 bar 2 x Vacuum 1 x Airmotor	Service Column (Rear Panel):	2 x Oxygen O2 1 x Nitrous Oxygen N2O 1 x Medical Air 5 bar 2 x Vacuum 1 x AGSS
Side Box (High Voltage):	8 x Power Sockets 230 V 8 x POAG	Service Column (Rear Panel):	9 x Power Sockets 230 V 9 x POAG
Side Box (Low Voltage):	2 x Data / Low Voltage	Side Box/Panel:	2 x Data / Low Voltage

Make: Pneumatik Berlin GmbH PTM Order-Nr.: TD 363-01/292-10 CE 0123 compliant with MDD 93/42/EEC