

Shanghai Zhenghua Medical Equipment Co., Ltd Add: No 38, GuAi Rd, Pudong New District, Shanghai City China Tel: 86 021 58565566 Fax: 86 021 38923226

CERTIFICAT OF DISTRIBUTION

Manufacturer's Authorization

Issue Date: 15th, Apr, 2021

To: Whom May It Concerns

We, Shanghai Zhenghua Medical Equipment Co., Ltd, having its place of business at No 38, GuAi Rd, PuDong District, Shanghai City China, is a manufacturer of the Medical Pendant EX-80EE.

Hereby appoint and authorize:

Company name: TRIUMF-MOTIV" SRL (C/F1012600021180 TVA - 0308703 Energbank f.

Botanica IBAN:MD90EN000000222446621858

Energbank, ENEGMD22858 E-mail: triumf.motiv@mail.ru)

Address: Republic of Moldova, MD-2043

Chisinau, str. Grenoble 193 of. 1301,

Tel/Fax: +373 22 768841,

Our factory will make all the changes and improvements that are requested in the tender documentation on the basis of the model EX-80EE.

Also we agree to support Name of tender : "Dispozitivelor medicale, conform necesităților beneficiarilor potrivit listei de distribuție, pentru anul 2021 (listă suplimentară 1)"; The tender: ocds-b3wdp1-MD-1615895810700 with full spare parts and technical support at any time. Warranty: 2 years Mild William Will All Fill Mild College College

The letter is valid until 30, Apr. 2022

For & On behalf of:

Shanghai Zhenghua Medical Equipment Co., Ltd

Authorized Signatory:

[Authorization No:.20210416001]

Certificate of Compliance

No. 0B160819.SZMTT15 Test Report no. B-S160810773

Certificate's Holder:

Shanghai Zhenghua Medical Equipment Co., Ltd.

No. 1188, Chuansha Rd, Shanghai City, China

Certification ECM Mark:



Product:

Medical Pendant

Model(s):

EXP-100C, EXP-30C, EXP-30, EXP-50, EXP-60.

EX-30, EX-50, EX-60, EX-70, EXP-80

Verification to:

Standard:

EN 60204-1:2006+A1:2009+AC:2010

related to CE Directive(s): 2014/35/EU (Low Voltage)

Remark: The product(s) has been verified on a voluntary basis. The product(s) satisfies the requirements of the Certification Mark of ECM, in reference to the above listed Standard(s). The above Compliance Mark can be affixed on the product(s) accordingly to the ECM regulation about its release and its use. The regulation can be found at www.entecerma.it. This Certificate of Compliance can be checked for validity at www.entecerma.it

This verification doesn't imply assessment of the production of the product(s).

Additional information, clarification about the € Marking:



We attest that a TCF for the CE Marking process is in place. Whereas the Manufacturer is Responsible to start the CE Marking Certification Procedure and to perform all the necessary activities, as required by the Directive before placing the C € Mark on the product(s).

Date of issue 19 August 2016

Chief Manager

Expiry date 18 August 2021

Deputy Manager



CERTIFICATE OF REGISTRATION

The Quality Management Systems of

Shanghai Zhenghua Medical **Equipment Co., Ltd**

Unified Social Credit Code:91310115631663118C

Registration address:1st, 2nd, 3rd (Area B) Floor of 6th Building, 7th, 8th, 9th Building, No. 34-40 (Even Numbers), Gu'ai Road, Xinchang Town, Pudong New District, Shanghai Office address: No.1188, ChuanSha Rd, PuDong District, Shanghai City Production address: 1st, 2nd, 3rd (Area B) Floor of 6th Building, 7th, 8th, 9th Building, No. 34-40 (Even Numbers), Gu'ai Road, Xinchang Town, Pudong New District, Shanghai

has been assessed by GIC and complying with

GB/T19001-2016/ISO9001:2015&GB/T50430-2017

For the following activities

The installation and service of ward nursing equipment (medical clean operation department and clean ICU system, medical gas system, medical center oxygen supply system, medical center suction system): the installation and service of medical pendant, surgical shadowless lamp and medical bed head unit

Date of Issue: 13 December 2019

Date of Expiry: 12 December 2022

Date of Initial Certification: 15 December 2016

Certificate No.:

C19Q2SHC01010R1S



Scan for certificate status

The granting of this certificate does not mean that the certificate holder can avoid any legal obligation. If the products or activities covered in the scope of certification require administrative license, the certificate shall be only valid within the scope of administrative licensing. The registered organization shall be subject to regular annual supervision by GIC, and the continual validity of the certificate is base upon conformity of audit. Please scan two-dimension code at lift to find the certificate information. This certificate can be gueried at Certification and Accreditation Administration of the People's Republic of China official website (www. cnca.gov.cn) & GIC website (www. gicg.com.cn)

Signature:

Guardian Independent Certification (Beijing) Co., Ltd. 1-6D,6F, 1st Building, 2nd Courtyard, Dajiaoting Middle Street,

> Chaoyang District, Beijing City Post. Code: 100124

7070514 MANAGEMENT SYSTEM

GIC WeChat public number



MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 117 19 Q0M 0016 R0S This is to certify the quality management systems of

Shanghai Zhenghua Medical Equipment Co., Ltd.

Unified Social Credit Code 91310115631663118C

Registered Address No. 1188 Chuansha Road, Pudong New District, Shanghai, P. R. China Auditing Address No. 1188 Chuansha Road, Pudong New District, Shanghai, P. R. China; No. 38 Gu'ai Road, Pudong New District, Shanghai, P. R. China

has been assessed and registered as meeting the requirements of ISO13485: 2016 < Medical device-Quality management systems - Requirements for regulatory purposes>

Design and Installation Service of Ward Nursing Equipment (Medical Clean Operating Department and ICU Clean Air System, Medical Gas System, Medical Center Oxygen Supply System, Medical Center Suction System); Design, Production and Installation Service of Medical Pendant, Shadowless Operating Lamp, Medical Bed Head Unit

Signed by:

Shanghai Ingeer Certification Assessment Co

Certification and Accreditation Administration of PRC CNCA-R-2003-1

Tel: 400-182-9001/+86 21-51114700

Web: www.icas.org.cn

Add: Room 801, HuaDing Mansion, 2368# West Zhongshan Rd.,

Xuhui District, Shanghai, China, 200235



First Certification: 31 Jan. 2019 Expiry

Date: 30 Jan. 2022



The ownership of the certificate belongs to Shanghai Ingeer Certification Assessment Co., Ltd. The information & validation of this certificate can be checked on the CNCA website: WWW.CNCA.GOV.CN and ICAS website, or by calling ICAS's clients services Dept. The certificate is only valid when used together with related permits when appropriate. If the organization can't effectively maintain the above management system, ICAS has the right to withdraw the qualification certificate.



OR&ICU Equipment Supplier

COMPANY

Shanghai zhenghua medical equipment co.,Itd(established in 2000) is a high-tech enterprises which registered capital of 40 million with qualifications recognized by the EU, such as ISO13485 and CE certificate, located in No 1188 Chuansha Rd, Pudong District Shanghai City China(sitel) and No 38 Guai Rd,Pudong District Shanghai City China. Our company has a professionaltechnical and professional qualifications, professional installation engineers—such as our company have one patent, twenty utility model patents and three software copyrights. The company has designed, produced and installed medical pendant, shadowless lamp, operating table, central oxygen supply and medical suction for thousands of hospitals. Domestic users throughout Beijing, Shanghai, Jiangsu, Zhejiang, Fijian, Jiangxi, Hunan, Shandong, Anhui, Inner Mongolia, Xinjiang and other provinces and cities; products are exported to Middle East, Southeast Asia, South American, and Europe and other international markets.



EX-80 Series

Combination Pendant



Main Features:

this kinds can provide all round access to the patient includidng the head area. upgradable, modular design accommodate any medical devices.

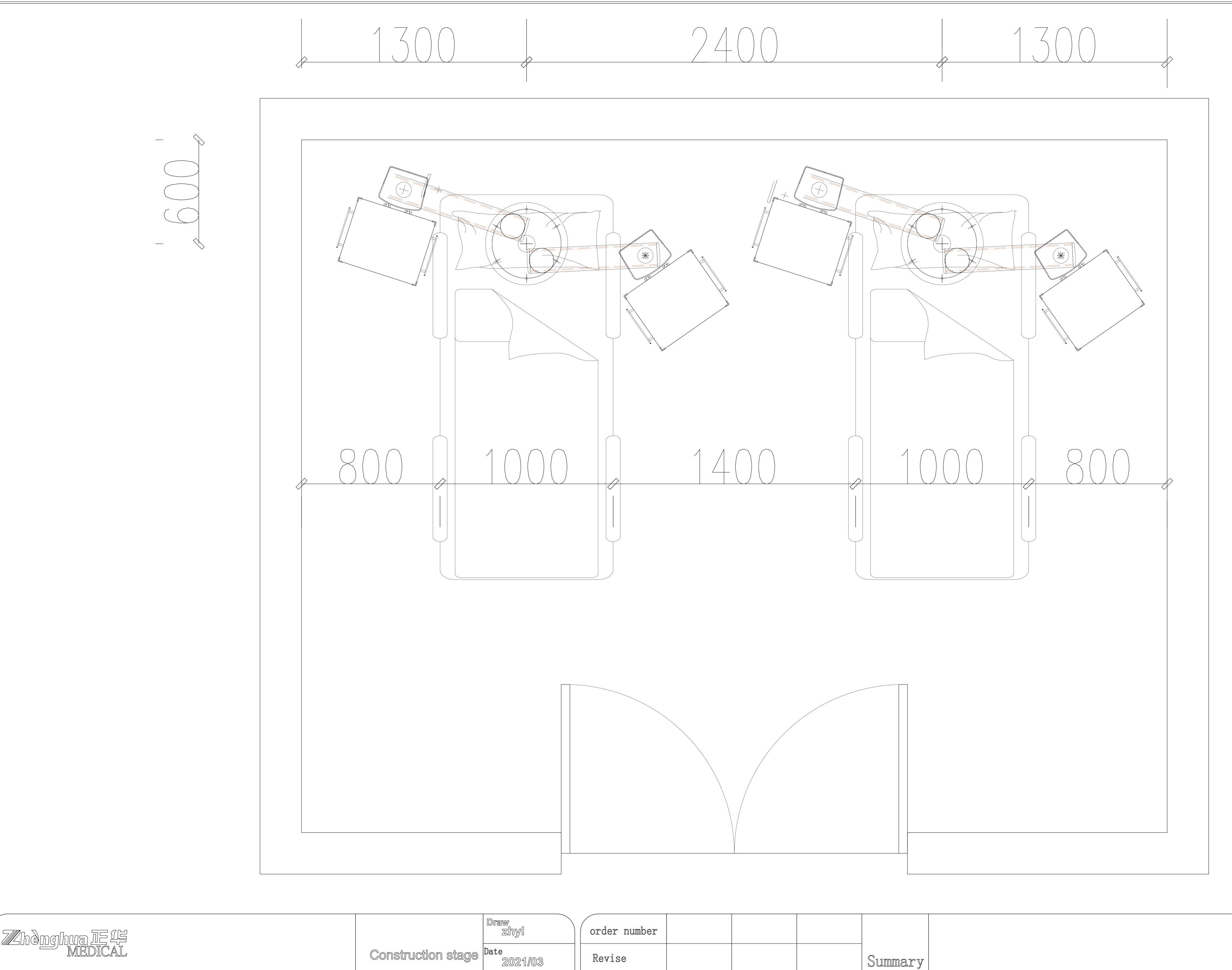
multiple medical gas, electrical and data sockets at a safe height, the height can be adjusted according to requirement. random combination, wet and dry separation.

Detailed Technical Parameter

- 1 Apply in operating room, ICU room and hospital wards so on
- 2.Ceiling ,according to customer's need of medical workplace .it's possible to mount combination of any of two types of ceiling ratary pendant
- 3. Arms can rotation, rotation angle≤350 degree.
- 4. Pentant-material: high-strength aluminum alloy.modular design, surface electrostatic powder painting, prevents corrosive, easy to clean.
- 5.Pendant color:blue or red
- 6 Pendant dimension can customize
- 7. Medical gas outlet optional German / British /America/Japanese/ French /Chinese standards.
- 8. Can horizontal rotation, but cannot vertical lift.
- 9.Brake way: damping friction brake, to make sure without drifting and easy to stop, insure safe (standard configuration), customer can choose the pneumatic according to need

Standard Configuration

Wet Area	Dry Area	Mark	
single arm length:1000mm	single arm length:1000mm		
load capability ≥ 180kg	load capability ≥ 180kg		
damping brake	damping brake		
rotary radius ≥650mm	rotary radius ≥650mm		
column length:1100mm	column length:1500mm		
shelf loading ≥60kg	shelf loading ≥60kg	shelf loading ≥60kg	
equipment shelf :3pcs	equipment shelf: 5pcs	height can adjust, prevention of collision system, quantity is optional	
medical gas outs:Oxygen*2, AIR*1, Vac*2	medical gas outs:Oxygen*2, AIR*1, Vac*1	American standard	
power socket:8pcs (220V 10 A)	power socket:6pcs (220V 10 A)	Universal Type with switch	
IV Pole: 2pcs	Monitor stand: 1 pc	quantity is optional	
extension arm: 2pcs	extension arm: 1pc		
drawer :1pcs	drawer:1pcs	automatic suction tye, insures swivel safe	
level degrees rotation	≤350 °		
no lift distance	no lift distance	horizontal movement	



Shang Hai ZhangHua Medical Equipnont Co.ltd

|Scale | 1:30 @ A4

Summary Date



Professional Medical Pendant Manufacturer

EX Series Medical Ceiling Pendant

Installation Instructions





Contents

For Your Safety and that of Your Patients	3
Intended Use	
Prepare installation	4
Checking the delivery	4
Required tools	4
Installation	5
Prepare the ceiling fixture	5
Prepare the ceiling supply unit (CSU)	5
Installing the single CSU	6
Installing the double CSU	6
Gas and electricity supply	8
Adjusting the friction brake	9
Set the swivel range of the arm system	9
Install the ceiling hood	
Combining a Movita Column with the arm system	11
Combining a Movita Head with the arm system	11
Align the Movita Column	11
Set the swivel range of the Movita Column	12
Adjust the friction brake on the Movita Column	
Aligning the Movita Head	13
Set the swivel range of the Movita Head	13
Setting the friction brake of the Movita Head	15
Installing the fixed pendant (no arms)	
Installing the equipment carrier on the Movita Head	
Acceptance and handover to the user	16



Professional Medical Pendant Manufacturer

For Your Safety and that of Your Patients

Observe the installation instructions carefully without fail

Any use of the device requires full understanding and strict observation of these instructions. The device is to be used only for the specified purposes.

Accessories

Only authorised accessories listed in Y 15600 "Accessories for Supply Units" are to be used.

Not for use in areas of explosion hazard

This device is neither approved nor certified for use in areas where combustible or explosive gas mixtures are likely to occur.

Safe connection with other electrical equipment

Electrical connections to equipment not mentioned in these Instructions for Use should only be made following consultation with the manufacturers of the equipment or with a suitably qualified person.

Performance and damage disclaimer

The warranty for performance of the device is transferred to the owner or operator in every case, and to the extent, that the device is serviced or repaired by personnel not employed by or authorised by **ZhengHua** Service; or if the device has been used in a manner not conforming to directions for its use.

ZhengHua shall not be held responsible damage caused by non-compliance with the preceding recommendations. These recommendations do not confer rights extending beyond those granted in the warranty and liability conditions of ZhengHua's terms of sale and delivery.

Intended Use

EX Series medical ceiling pendant are used in rooms serving medical purposes. They provide:

- ▼ Location for equipment used in diagnostics, therapy, and surgery
- ♥ Easy, three-dimensional positioning of equipment in the room
- ♥ Access to media such as medical gases, vacuum, electricity, and communications (telephone, nurse call, PC network).

The basis for ergonomic workplace layout in care areas: OR (operating rooms), CC (critical care) and PR (procedures rooms).

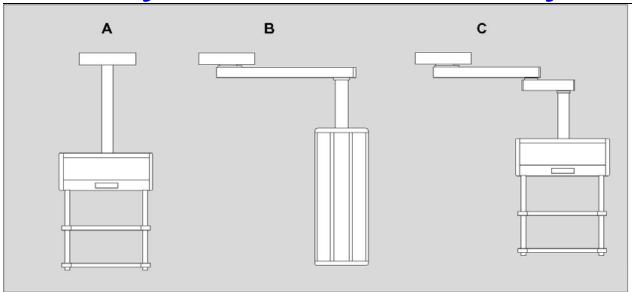
♥ Separate unit functionality, or combination with other ZhengHua ceiling pendant from the EX series or operating room lights.

Versions

The EX Series ceiling supply unit (CSU) is available in the following versions:

- ♦ Without mobile arm (A)
- ♦ Single-arm (B)
- ◆ Double arm (C) The T-Series ceiling supply units are assembled as modular systems to meet the customer's requirements. They are permanently installed and always ready to





Prepare installation

Checking the delivery



For easier installation, and to avoid damaging the ceiling supply unit (CSU), do not remove the CSU from its case.

- · Check that the packing case is undamaged
- Check that the delivery is complete:
- Specification sheet
- Instructions for Use
- Installation Instructions
- Installation accessories
- Equipment accessories
- Specific documents and forms (declaration of regulatory compliance)

Required tools

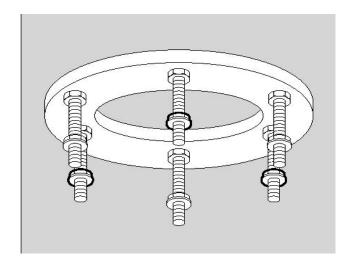
- Precision spirit level
- Torque wrench up to 150 Nm
- Socket spanners, metric, SW 8, 10, 13, 17, 19 and 24 mm
- Socket spanner extension
- Allen keys, metric, SW 4, 5, 6, 8 and 10 mm
- Special pliers, Oetiker, (part-no. 1099 i)
- Internal serration screwdriver size T20 (TORX)
- Pipe cutter
- Twist drill Ø5.6 mm
- Deburrer
- Screwdriver, blade width 2.5 mm
- Tape (for adhesion)



Installation

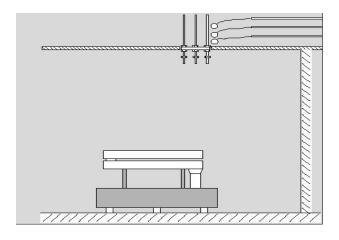
Prepare the ceiling fixture

Mount the ceiling fixture is on the concrete structural ceiling following its installation instructions



Steps for alignment:

 Select three flange nuts screwed onto threaded bars, equally spaced (each at 120° from the others).
 Using a spirit level, align them horizontally.

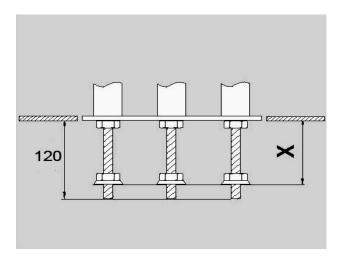


The dimension X depends on the arm system version.

All system $X = (100\pm10) \text{ mm}$

- Secure the aligned flange nuts against slipping with tape.
- •Screw the rest of the flange nuts to a slightly higher position than the aligned ones.

Prepare the ceiling supply unit (CSU)



For all pivot bearings, the swivel range can Be set using screws and stops.

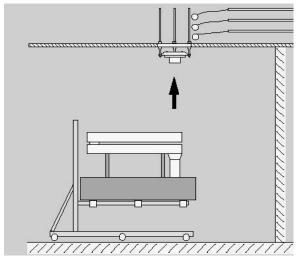
To obtain maximum swivel range ,the location of the main bearing should be planned before The installation .

 Mount the main bearing including its main Bearing flange, whether single or double design, onto the ceiling fixture.

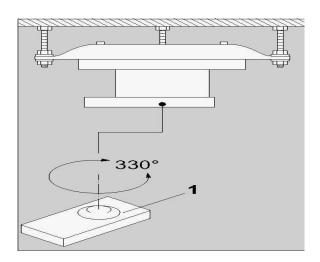


Professional Medical Pendant Manufacturer

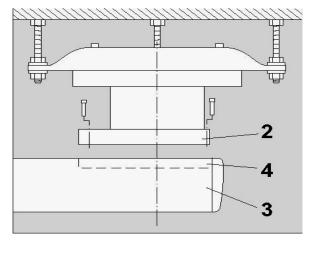
Installing the single CSU



- Arrange loose hoses and cables so that they do not cross one another.
- Slide the main bearing with adapter plate, including main bearing flange, onto the threaded bars of the ceiling fixture.the three previously aligned nuts act as the stops
- On each of these three threaded bars, screw an M 16 nut with washer, from below. tighten the nuts with 120 Nm torque.
- Screw down the three non-aligned flange nuts until hand tight.
- From below, screw an M 16 nut and washer onto each of these threaded bars. Tighten the nuts with 120 Nm torque.



- 1 Orient the adapter plate so the arm that will be mounted on it later has clear access to the max. 330° swivel range.
- Do not change this adapter plate orientation before installation.
- Position a lift truck under the packing case.
 Carefully raise the case with the aid of the lift truck.



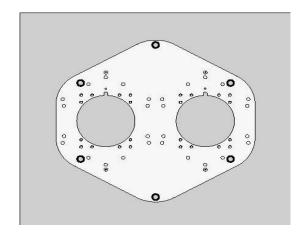
Connect

- 2 the adapter plate and
- 3 arm and
- 4 adapter plate inside.
- 8 Tighten the M 8 screws with 33 Nm torque
- Remove the fastening bands from the packing case.
- Lower the case with the aid of the lift truck



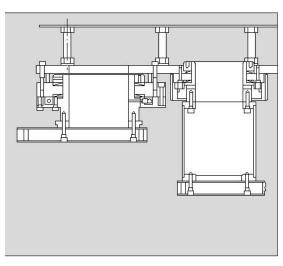
Professional Medical Pendant Manufacturer

Installing the double CSU

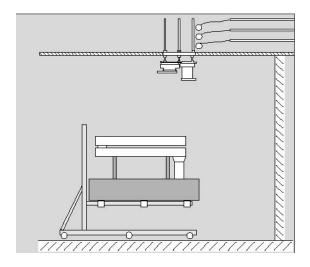


Mount the uniflange including the premounted main bearing on the prepared ceiling fixture. Steps are:

• Slide the uniflange onto the threaded bars of the ceiling fixture. The three previously aligned nuts act as the stops.



- On each of these three threaded bars, screw an M 16 nut with washer, from below. Tighten the nuts with 120 Nm torque.
- Screw down the non-aligned three flange nuts until hand tight.
- From below, screw an M 16 nut and washer onto each of these threaded bars. Tighten the nuts with 120 Nm torque.



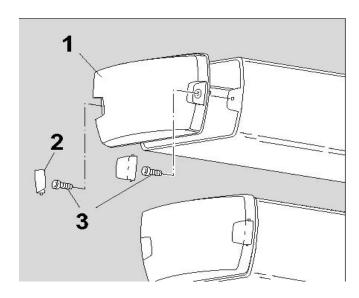
- Position a lift truck under the packing case.with the first arm.
- Arrange loose hoses and cables so that they do not cross one another.
- Carefully raise the case with the aid of the lift truck.



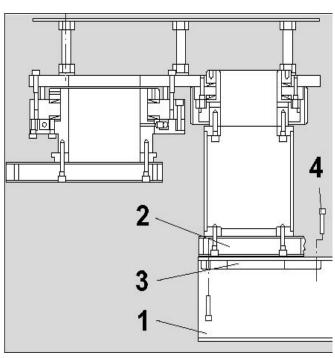
Do not allow the threaded bars to sever the cables and hoses.



Professional Medical Pendant Manufacturer



- **1** Remove the side cover of the arm system. Steps are:
- **2** Remove caps by pressing lightly on the front and pressing them out from the sides.
- 3 Take off two screws and remove the



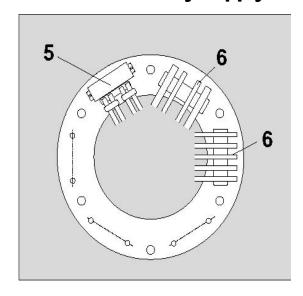
- **1** Mount the first arm system. Steps are: Align the first arm system on the hole pattern **2** the arm adapter.
- **3** The flange plate is secured to the arm with screws. First take out these screws, then hold up the flange plate in the arm. Screw the flange plate and arm adapter together with
- **4** ten M8 screws, from outside and inside. Tighten the screws with 33 Nm torque.
- Replace cover of the arm system.
- Remove the fastening bands from the packing case.
- Lower the case with the aid of the lift truck.

When mounting the second arm system on the flange plate without suspension tube, proceed in the same way.



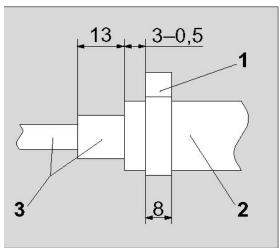
Professional Medical Pendant Manufacturer

Gas and electricity supply



Gas and electrical installations may only be carried out by qualified personnel.

- Do not allow contamination into the lines.
- It is important to keep lines free of oil and grease, to avoid risk of explosion.
 Making connections
 - **5** Cables and **6** hoses should be connected to the places provided on the flange of the ceiling fixture.

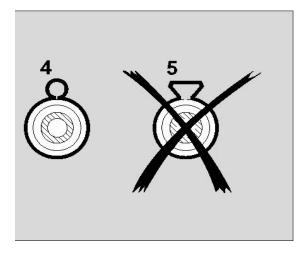


Installing the hoses

- **1** Hose clip G 15 630
- 2 Hose 6.3 x 3 mm
- **3** Connector Ø10 mm with copper pipe Ø8 mm, (customer provides)
- Push the open clip over the hose.
- •Push the end of the hose onto the customer's connector, as far as it will go.

Make sure that each hose is connected to the correct gas line.

• Position the clip to size (3±0.5) mm and clamp into place with the special Oetiker hose clip tightening pliers.

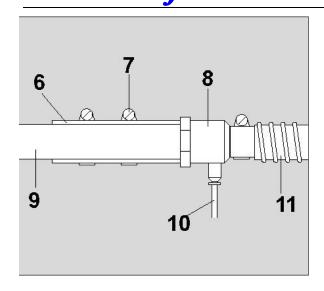


After assembly, the hose clip must be tightened and closed so that it is almost gap-free:

- **4** A slight gap caused by the action of the return spring is permitted.
- **5** Insufficiently closed hose clip.

Screw clips may be used to secure hoses to sockets where permitted by national regulations.



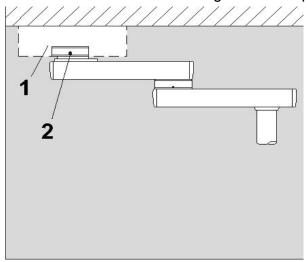


Connecting anesthetic gas disposal If the front plate has an anesthetic gas exhaust coupling, the connection is as follows:

- 6 Hose 12 x 3 Silicon1
- 7 Clamps, G 50 305 (3 provided)1
- 8 Ejector G 60 465
- 9 Exhaust air duct Ø15 x 1
- **10** Duct 2.7 x 0.65, made by AGFS Outlet (flexible plastic)
- 11 Clamp LW 15 made by AGFS Outlet

Adjusting the friction brake

The friction band in the bearings is for damping the swivelling motion.



Brake in the main bearing

- **1** If a ceiling hood is installed, remove it (see the section "Install the ceiling hood").
- **2** By evenly tightening or loosening the opposing set screws, adjust the brake.

Adjust the brake so that the main bearing brakes somewhat more strongly than the intermediate bearing.

Brake in the intermediate bearing

 Adjust as described in the section "Brake in the main bearing"

Set the swivel range of the arm system

The swivel range of the arm system is set to 330° in the factory. The different versions of the arm system and their bearings affect the possible settings of the swivel range:

- Arm system light (1 arm): Main bearing 24 x 15°
- Arm system light (2 arm):
- Main bearing 24 x 15°
- Intermediate bearing 24 x 15°
- Arm system medium (1 arm):— Main bearing 24 x 15°
- Arm system medium (2 arm):
- Main bearing 45 x 8°
- Intermediate bearing 24 x 15°
- Arm system light (1 arm):— Main bearing 45 x 8°
- Arm system light (2 arm):
- Main bearing 45 x 8°
- Intermediate bearing 24 x 15°.



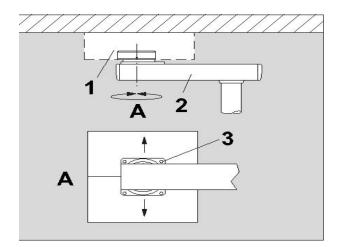
Professional Medical Pendant Manufacturer

To set the swivel range, proceed as follows:

Main bearing single-arm system

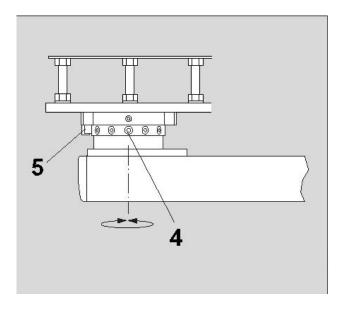


Do not allow the unit to come into contact with walls and furnishings in the room.



Ceiling main bearing (for example):

- **1** If a ceiling hood is installed, remove it (see the section "Install the ceiling hood").
- Remove the bushes. Steps are:
- **2** Twist the arm to reach the screws.
- 3 Take out four screws.
- Pull out the bushes to the side.
- Determine the desired swivel range.



- **4** Screw in an additional M 8 x 16 -8.8 screw as a stop into the drill hole provided on the bearing (23 Nm torque).
- **5** If desired, take out the factory-installed M 8 x 16 8.8 screw used as a stop, and put it in at a different place

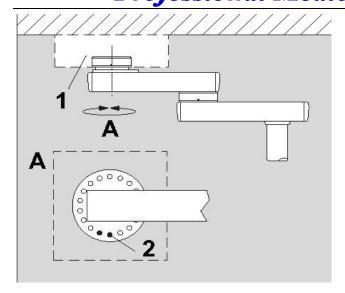


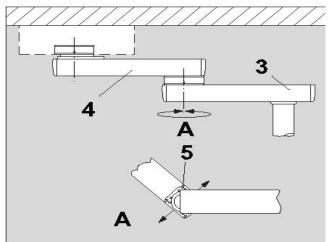
While the screw is out, there is risk of overrotating the arm system.

Cables and hoses can be damaged.

- Check the swivel range, reset screws if necessary.
- Replace bushes and screw them on again with four M 5 x 16 screws (5.5 Nm torque).
- Install the ceiling hood (see the section "Install the ceiling hood").







Main bearing double-arm system

Main bearing (for example):

- **1** If a ceiling hood is installed, remove it (see the section "Install the ceiling hood").
- Determine the desired swivel range.
- Screw in two M 8 x 16 8.8 screws into the drill holes provided on the bearing as an additional stop. Tighten with 23 Nm torque.
- **2** If desired, take out the factory-installed stop, and screw it in at a different place.
- •Check the swivel range, reset screws if necessary.
- Replace the ceiling hood (see the section "Install the ceiling hood").

Intermediate bearing double-arm system

- **3** Swivel the lower mobile arm by 45° with
- **4** respect to the upper mobile arm.
- **5** Remove four screws from the bearing bushes.
- Pull off the bushes to the side.
- Set the swivel range as desired by resetting existing stops or adding another stop.
- Replace the bushes.
- Screw bushes on again with four M 5 x 16 screws (5.5 Nm torque).

Install the celing hood

For mounting the various ceiling hoods, see the installation instructions specific to the models: Single CSU

- Flat plate, see G19745
- Ceiling cover, see G19776

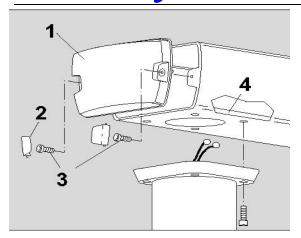
Double CSU

- Flat plate, see G19779
- Ceiling cover, see G19777

Combining a T-Series Column with the arm system

In some cases, for dispatching the T-Series Column is separated from the arm system. The arm system must be mounted on the ceiling first. The installation of the arm system is described, beginning at the section "Prepare the ceiling fixture".





Proceed as follows to mount the T-Series Column:

- **1** Remove the cover of the arm. Steps are:
- **2** Remove caps by pressing lightly on the front and pressing them out from the sides.
- **3** Take off two screws and remove the cover.
- 4 Insert the reinforcing flange into the arm.



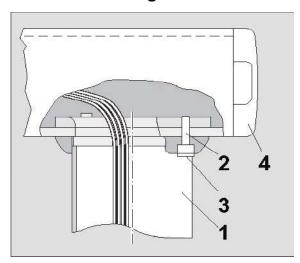
The large middle drill hole in the middle of the reinforcement flange has a burr on one side. To avoid damage to cables and hoses, place the flange burr upwards.



Secure the T-series Column against tipping over.

 Move the T-series Column carefully toward the lower arm.

Place the Movita Column beneath the arm, with the aid of a lift truck, and pull the cables and hoses through the arm.

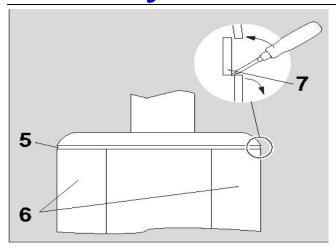


- 1. Screw the pipe to the arm: Steps are:
- 2. Tighten four M 8 x 30 8.8 screws with 23 Nm torque (with lock washer).
- 3.Put caps on.
- 4.Replace the cover.

Combining a T-Series Head with the arm system

Install as described in the section "Combining a Movita Column with the arm system".

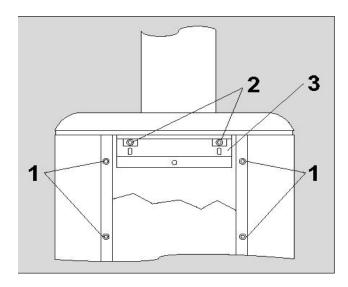


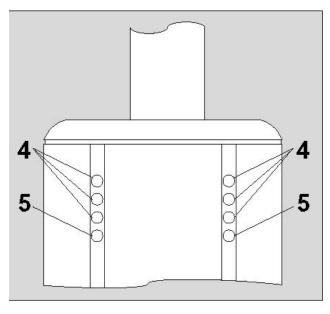


Align the T-SeriesColumn

The T-Series Column is aligned after all accessories are installed, taking resulting loads into account.

- **5** Remove as much of the rubber junction profile as necessary.
- **6** Carefully force out the two back corner profile pieces, at 45° to the main axis. Use a screwdriver aligned from above
- 7 and applied at the lever stop.





1 Loosen the tapping screws from the back terminal panel and remove the panel.



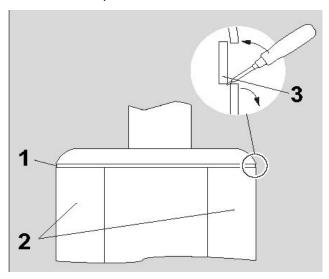
- Be careful with attached cables and hoses.
- Support the terminal panel.
 Do not let it hang from the cables and hoses.
- 2 Loosen two screws of the
- 3 angle bracket inside the T-Series Column
- On the front of the Movita Column,
- **4** remove the six covering caps and loosen (do not remove) the six Allen screws.
- By loosening or tightening the
- **5** two screws simultaneously on both sides, align the column.
- •Then tighten the six screws on the front of the T-SeriesColumn again with 10 Nm torque.
- Tighten the two screws on the angle bracket again with 10 Nm torque.
- Reposition the back terminal panel in the lateral beveled guides and screw into place. Adjust so the spacing above and below the panel is even.
- Reinsert the two back corner profile
 pieces into the T-Series Column. Take
 care that the black plastic clips are in the
 correct place. They must be positioned
 completely in the groove of the profile pieces.
- Press the rubber junction profile back into place.



Professional Medical Pendant Manufacturer

Set the swivel range of the T-Series Column

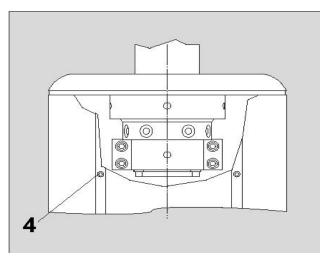
The T-Series Column swivel range is 330° . It can be lessened in increments of 30° . First, terminal panels must be removed to allow free access to the bearing:



- **1** Remove as much of the rubber junction profile as necessary.
- **2** Carefully force out the two back corner profile pieces, at 45° to the main axis. Use a screwdriver aligned from above
- 3 and applied at the lever stop



When removing the back terminal panel, be careful with attached cables and hoses.

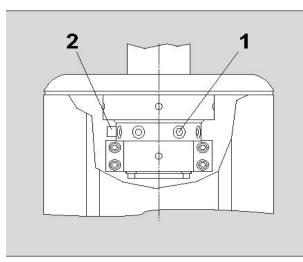


4 Loosen the tapping screws from the back terminal panel and remove the panel.



Support the terminal panel. Do not let it hang from the attached cables and hoses.

• Determine the desired swivel range.



- 1.Screw in an additional M 8 x 16 -8.8 screw as a stop into the drill hole provided on the Bearing (23 Nm torque).
- If desired, take out the factory-installed 2.M 8 x 16 8.8 screw used as a stop, and put it in at a different place.

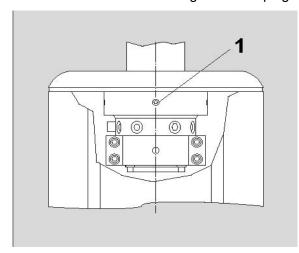




- While the screw is out, there is risk of overrotating the arm system. Cables and hoses can be damaged.
- When replacing the back terminal panel, do not constrict the attached cables and hoses.
- Do not leave screws or other objects inside the Movita Column.
- Check the swivel range, reset screws if necessary.
- Reposition the back terminal panel in the lateral beveled guides and screw into place. Adjust so the spacing above and below the panel is even.
- Reinsert the two back corner profile pieces into the Movita Column. Take care that the black plastic clips are in the correct place. They must be positioned completely in the groove of the profile pieces.
- Press the rubber junction profile back into place.

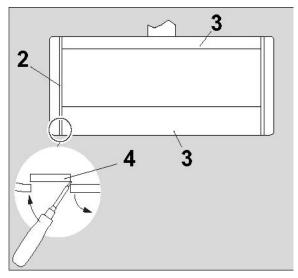
Adjust the friction brake on the T-Series Column

The friction band in the bearing is for damping the swivelling motion.



Obtain access to the bearing, as described in the section "Set the swivel range of the T-Series Column". For better access, remove the side panels in the same way.

1 Adjust the brake by evenly tightening or loosening the set screw.



Aligning the T-Series Head

• It is not necessary to align the T-Series Head. **Set the swivel range of the T-Series Head**

The T-Series Head swivel range is 330°. It can be lessened in increments of 30°.

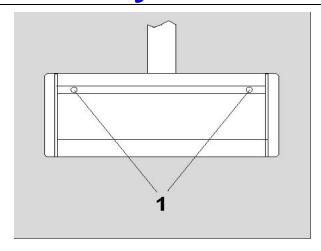
First, terminal panels must be removed to allow free access to the bearing:

- **2** Remove as much of the rubber junction profile as necessary.
- **3** Carefully press out the upper and lower corner profile pieces at 45° to the main axis.

Use a screwdriver aligned

4 and applied at the lever stop

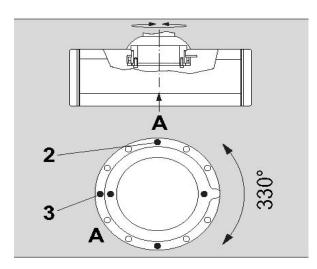






When removing the terminal panels, be careful with attached cables and hoses.

1 Loosen the tapping screws from the long side terminal panel and remove the panel.





Support the terminal panel. Do not let it hang from the attached cables and hoses.

- Determine the desired swivel range.
- **2** Screw in an additional M 8 x 16 8.8 screw as a stop into the drill hole provided on the bearing (23 Nm torque).
- If desired, take out the factory-installed
- **3** M 8 x 16 8.8 screw used as a stop, and put it in at a different place.



- While the screw is out, there is risk of overrotating the arm system. Cables and hoses can be damaged.
- When replacing the terminal panel, do not constrict the attached cables and hoses.
- Do not leave screws or other objects inside the Movita Head.

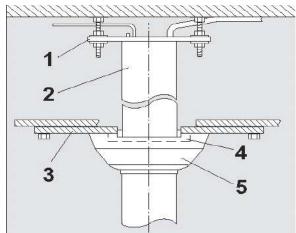
- Check the swivel range, reset screws if necessary.
- Reposition the terminal panel in the beveled guides and screw into place. Adjust so the spacing left and right of the panel is even.
- Reinsert the two lower corner profile pieces into the Movita Head. Take care that the black plastic clips are in the correct place. They must be positioned completely in the groove of the profile pieces.
- Press the rubber junction profile back into place.

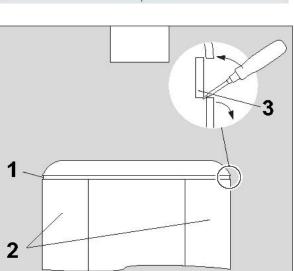


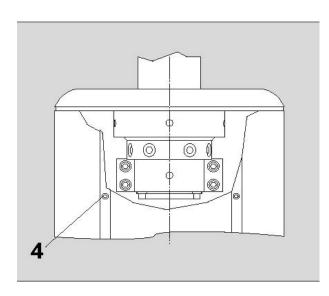
Professional Medical Pendant Manufacturer

Setting the friction brake of the Movita Head

It is not necessary to set the friction brake of the Movita Head.







Installing the fixed pendant (no arms) Installing the suspension tube

- 1 Slide the flange
- **2** of the suspension tube onto the threaded bars of the ceiling fixture and screw into place.
- **3** Mount the flat cover according to the Installation Instructions provided.
- **4** Put the two-part clamping ring on the suspension tube and screw in place with two M 5 x 16 screws.
- **5** Slide the cap on the suspension tube.
- Adjust tube length if necessary.

Combining a Movita Column with a distance tube

First, terminal panels must be removed to allow free access to the bearing:

- **1** Remove as much of the rubber junction profile as necessary.
- **2** Carefully force out the two backcorner profile pieces, at 45° to the main axis. Use a screwdriver aligned from above
- 3 and applied at the lever stop.



When removing the back terminal panel, be careful with attached cables and hoses.

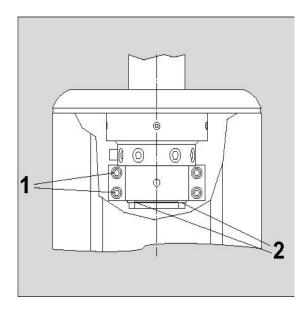
4 Loosen the tapping screws from the back terminal panel and remove the panel.



Support the terminal panel. Do not let it hang from the attached cables and hoses.



- Slowly insert the tube into the bearing and the pipe clamp. Steps are:
- Place the Movita Column in its packing case onto the lift truck.
- Carefully raise the lift truck.
- Insert the tube in until it protrudes 10 mm beyond the lower edge of the tube clamp.
- Mark the pipe through the two side holes of the tube clamp.
- Lower the lift truck and pull the tube out.
- Drill two holes with Ø.6 mm at the marked spots.
- Then again insert the tube into the bearing and the pipe clamp, until the holes coincide.
- Through the holes, screw two set screws (DIN 915) hand tight.



- Connect the tube clamp to the pipe. Steps are: 1 Tighten four screws with 23 Nm torque.
- Attach the tube clamp to the bearing. Steps are: 2 Tighten four screws with 23 Nm torque.
- Lower the case with the aid of the lift truck.
- Guide cables and hoses through the tube.
- Reposition the back terminal panel in the lateral beveled guides and screw into place. Adjust so the spacing above and below the panel is even.
- Reinsert the two back corner profile pieces into the Movita Column. Take care that the black plastic clips are in the correct place. They must be positioned completely in the groove of the profile pieces.
 - Press the rubber junction profile back into place.

Combining a T-Series Head with a distance tube

Install as described in the section "Combining a Movita Column with a distance tube".

Installing the equipment carrier on the T-Series Head

Optionally, equipment carriers for holding other equipment can be mounted on the bottom of the T-Series Head.

Pole

For installation, see Installation Instructions Y19350.

Rack

For installation, see Installation Instructions Y19352.

Acceptance and handover to the user

The supply unit may be commissioned only after acceptance by YC Service.

After installation or maintenance is completed, YC Service carries out a programme of testing and acceptance.



This testing determines

— whether the technical requirements for patient and personnel safety are satisfied,

and

— whether the supply unit meets performance specifications.

ZhengHua Service will document the test results in writing.

After approval, the supply unit is ready for operation. It will be handed over to the operator, along with its documentation. Zhenghua Service will keep a written record of the handover.

The operating personnel will then be trained.

Shanghai Zhenghua Medical Equipment Co.,Ltd Add:No 1188,ChuanSha Rd,PuDong District Tel 0086-21-58565566 Fax 086 -21-38923226 Web:www.zhenghua-mgss.com