

Operator's Manual

HyPort B30

Medical Supply Unit

Copyright



The device bears CE mark indicating its conformity with the provisions of the Council Directive 93/42/EEC and Directive 2006/42/EC.

The device complies with the requirements of EN/IEC 60601-1-2 “Electromagnetic Compatibility-Medical Electrical Equipment”.

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For this Operator’s Manual (original instruction), the issued Date is 2018-09 (Version: 3.0).

NOTE

- **This manual contains information that is critical to safe operation of your equipment. We recommend that you take good care of this manual. If you find any damage to the manual that may compromise the safe operation of your equipment, be sure to contact Nanjing Mindray or your local distributor for a new copy.**
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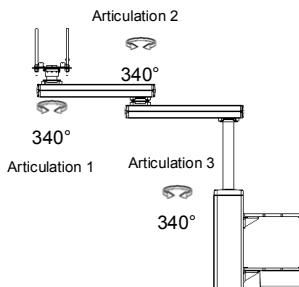


Figure 2-4 Rotation of each articulation

- The upper arm can rotate a maximum of 340°.
- The lower arm can rotate a maximum of 340°.
- The distribution module can rotate a maximum of 340°.

⚠ WARNING

- Exercise caution when you position the unit. Do not hurt any person or damage any device.
- When moving the unit, be aware that your view of the floor and the area you are moving to may be obscured by the unit or by the devices mounted on it. Carelessness when moving the unit can result in personal injury or device damage.

⚠ CAUTION

- Do not force the unit when the arm or distribution module reaches its utmost position.
- Use a slow, steady motion to move the unit. Fast jerky movements can cause devices to fall off the shelves.

NOTE

- The arm and distribution can rotate a maximum of 340°. Actual movement will be adjusted during installation to limit the unit as necessary to prevent collisions with walls or other structural elements.

4 Maintenance

4.1 Cleaning/Disinfection

WARNING

- The medical supply unit and equipment connected to it shall be cleaned and disinfected only in the ways introduced below.
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4.1.1 Recommended Cleaning Agents and Disinfectants

- Mildly alkaline (10% soap solution; 40°C/104°F maximum)
- Aldehydes (2%)
- Warm water (40°C/104°F maximum)

4.1.2 Forbidden Cleaning Agents and Disinfectants

- Disinfectants containing alcohol
- Halogen releasing compounds
- Chlorine releasing compounds
- Strong organic acid
- Oxygen releasing compounds

4.1.3 Cleaning/Disinfecting the Unit

1. Disconnect all the gas probes and electrical connectors from your unit.
 2. Cut off the electrical power supply to the unit if you intend to clean the electrical connectors.
 3. Use a lint-free cloth moistened with the recommended cleaning agent or disinfectant to clean/disinfect the surface.
 4. Use a lint-free cloth moistened with clean water to wipe off the residual cleaning agent or disinfectant.
 5. Use a lint-free cloth to wipe the surface dry.
 6. For other devices connected to the unit, refer to the cleaning or disinfecting instructions of their own for the correct method.
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⚠ WARNING

- Never grease gas connectors. Explosion hazard may be present.
 - Be sure to strictly follow the recommended cleaning/disinfecting methods to clean/disinfect the unit.
 - Do not use the cleaning agents or disinfectants containing alcohol where such medical devices as electrosurgical units, defibrillators or defibrillator monitors can be used. Otherwise, fire and/or explosion hazards may be present.
 - An accumulation of flammable materials within the unit can create a hazardous environment. Use a lint-free cloth to clean your unit.
 - Do not use steam, extremely hot water (over 70°C/150°F), or high pressure water guns to clean your unit. These techniques can damage the unit or lead to electrical malfunction.
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⚠ CAUTION

- The medical supply unit is to be maintained and/or serviced by personnel authorized by Nanjing Mindray only.
 - Do not allow water to infiltrate the components inside the unit.
 - Do not use disinfectants containing alcohol to clean the plastic components.
 - Do not clean/disinfect the unit mechanically.
 - Improper cleaning/disinfection can damage the unit. Use proper amount of the cleaning agent to clean the pad, and remove any excessive agent and/or liquid by a dry cloth.
 - Do not spray the cleaning agent/disinfectant directly into the articulations or gaps.
 - Do not use high-pressure cleaning devices.
 - Do not use scouring agents.
 - Do not use water containing metal particles, any metal tools (such as wire brushes or steel wool), or products containing hydrochloric acid to clean the unit.
 - Do not use the disinfectants containing chlorine or compounds which can release chlorine to disinfect the metal parts. Long-term use of these disinfectants may corrode the metal parts, hence compromising safety and effectiveness of the device. It is recommended that metal parts be disinfected by 2% alkaline glutaraldehyde or 0.5% peroxyacetic acid.
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