This instruction applies to Liko mobile lifts, ceiling lifts, sit to stand lifts, and lift stretchers, yet in this text we refer only to lifts.

To avoid possible transmission of infectious disease, it is important to clean the lift if it has become soiled or if it is to be used by another patient. Also refer to your facility’s cleaning and disinfection policies for any additional guidelines on frequency.

It is important to follow the recommendations in this manual to maintain the warranty and expected lifetime.

This manual gives detailed cleaning and disinfecting procedures for Liko lifts. The instructions in this manual do not replace your facility’s cleaning and disinfection policies.

This manual is intended for use by facility-approved persons only. To ignore this restriction could cause severe injury to people and serious damage to equipment.

Liko/Hill-Rom recommends that the lift be disinfected prior to first use.

Liko/Hill-Rom recommends to disinfect the lift prior to disposal in accordance with local environmental regulations.

Liko’s products undergo continuous development, which is why we reserve the right to make product changes without prior notice. The only warranty Liko/Hill-Rom makes is the express written warranty extended on the sale or rental of its products.

The information contained in this manual is subject to change without notice. Visit our website www.liko.com for updated versions of this manual or contact your local Liko/Hill-Rom representative for advice or more information.

Safety recommendations

- Wear protective equipment according to manufacturer’s instruction and per facility protocol throughout the cleaning operations, such as: rubber gloves, goggles, apron, face mask and shoe covers.
- Unplug mains (AC power source) before cleaning and disinfection.
- Never clean the lift by pouring water on it, steam cleaning it, or by using a high-pressure jet.
- Refer to the recommendations made by the cleaning and disinfecting product manufacturer.

⚠️ Inadequate cleaning may increase risk of cross contamination!
Application of commonly used Cleaning / Disinfectants on Liko products

<table>
<thead>
<tr>
<th>Chemical class</th>
<th>Active ingredient</th>
<th>pH</th>
<th>Cleaners / Disinfectant *)</th>
<th>Manufacturer *)</th>
<th>May not be used on the following items:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quaternary ammonium chloride</td>
<td>Didecyl dimethyl ammonium chloride = 8.704%</td>
<td>9.0 – 10.0 in use</td>
<td>Virex II (256)</td>
<td>Johnson/Diversey</td>
<td>Foot rest for Sabina™ and Roll-On™</td>
</tr>
<tr>
<td>Quaternary ammonium chloride</td>
<td>Alkyl dimethyl benzyl ammonium chloride = 8.19%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quaternary ammonium chloride</td>
<td>Alkyl dimethyl benzyl ammonium chloride = 13.23%</td>
<td>9.5 in use</td>
<td>HB Quat 25L</td>
<td>3M</td>
<td></td>
</tr>
<tr>
<td>Didecyl dimethyl ammonium chloride</td>
<td>Alkyl dimethyl benzyl ammonium chloride = 13.23%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accelerated Hydrogen Peroxide</td>
<td>Hydrogen Peroxide 0.1 -1.5%</td>
<td>3</td>
<td>Oxivir Tb</td>
<td>Johnson/Diversey</td>
<td>The lift straps for Golvo™ and ceiling lifts</td>
</tr>
<tr>
<td></td>
<td>BenzylAlcohol: 1-5%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Hydrogen Peroxide 0.1 -1.5%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>BenzylAlcohol: 1-5%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Phenolic</td>
<td>Ortho-Phenylphenol = 3.40%</td>
<td>3.1 +/- 0.4 in use</td>
<td>Wexoxide</td>
<td>Wexford Labs</td>
<td></td>
</tr>
<tr>
<td>Bleach</td>
<td>Sodium hypochlorite</td>
<td>12.2</td>
<td>Dispatch</td>
<td>Caltech</td>
<td>The lift straps for Golvo™ and ceiling lifts</td>
</tr>
<tr>
<td>Alcohol</td>
<td>Isopropyl alcohol = 70%</td>
<td>5.0 – 7.0</td>
<td>Viraguard</td>
<td>Veridien</td>
<td>Hand controls for all lifts</td>
</tr>
<tr>
<td>Quaternary ammonium</td>
<td>n-Alkyl dimethyl benzyl ammonium chlorides = 0.105%</td>
<td>11.5 - 12.5</td>
<td>CSI</td>
<td>Central Solutions Inc.</td>
<td></td>
</tr>
<tr>
<td>n-Alkyl dimethyl ethylbenzyl ammonium chlorides = 0.105%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Benzyl-C12-18-alkyldimethylammonium, chlorides</td>
<td>Benzyl-C12-18-alkyldimethylammonium, chlorides (22 %)</td>
<td>approx 8.6 in use</td>
<td>Terralin Protect</td>
<td>Shűlke</td>
<td>Foot rest for Sabina™ and Roll-On™</td>
</tr>
<tr>
<td></td>
<td>2-Phenoxyethanol (20 %)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tridecylpolyethylenglycolether (15 %)</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Propan-2-ol (8 %)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organic peroxide (type E, solid)</td>
<td>Magnesium monoperoxyphthalate hexahydrate (50-100%)</td>
<td>5.3 in use</td>
<td>Dismozon Pur</td>
<td>Bode</td>
<td>The lift straps for Golvo™ and ceiling lifts</td>
</tr>
<tr>
<td></td>
<td>Anionic surfactant (5-10%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Nonionic surfactant (1-5%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethanol</td>
<td>Hydrogen peroxide (2.5-10 %)</td>
<td>7</td>
<td>Anioxy-Spray WS</td>
<td>Anios</td>
<td>Control box for all mobile lifts</td>
</tr>
<tr>
<td></td>
<td>Lauryldimethylamine oxid (0-2.5 %)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ethanol (2.5-10 %)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Troclosene sodium</td>
<td>Adipic acid 10-30%</td>
<td>4-6 in use</td>
<td>Chlor-Clean</td>
<td>Guest Medical Ltd</td>
<td>The lift straps for Golvo™ and ceiling lifts</td>
</tr>
<tr>
<td></td>
<td>Amorphous silica &lt; 1%</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sodium Toluene sulphonate 5-10 %</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Troclosene sodium 10-30 %</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*) Or equivalent
Cleaning and Disinfection Recommendations

All parts must be kept clean at all times in order to avoid the risk of infection. All necessary precautions must be taken to remove all visible stains and soiling.

The cleaning and disinfecting method described below applies specifically to this device and all its accessories and is designed to save time and to help combat nosocomial infections more effectively.

Equipment:
- Protective equipment (such as: rubber gloves, goggles, apron, face mask and shoe covers) as recommended by the facility protocol and manufacturers instructions
- Clean buckets
- Cloths for washing and drying
- Soft brush
- Warm water
- To find Cleaning / Disinfectants compatible or not compatible for use on Liko’s products, follow the "Application of commonly used Cleaning / Disinfectants on Liko products" at page 2 in this document.
Viking™ lift
Cleaning Instruction

1. △ Unplug mains (AC power source) before cleaning and disinfection.

2. Clean the lift with a moist cloth, using warm water and a facility approved neutral detergent. A soft brush can be used to remove stains and resistant soil.

3. Wipe down the entire lift starting from the top down. Do not use a cloth that is dripping wet. To have access to all areas run the lift into the highest and lowest positions and extend the base width adjustment entirely in and out. Remove the Battery to have access behind the battery.

   NOTE! Do not clean the piston rod!

4. Pay special attention to the following areas:
   - Sling bar (different designs)
   - Mechanical emergency lowering (different designs)
   - Handles
   - Hand control (different designs)
   - Emergency stop
   - Operation panel/display (where applicable)
   - Lever for base width adjustment (where applicable)
   - Pedal for base width adjustment (where applicable)
   - Locking handles
   - Wheels

Disinfect
Repeat the cleaning instructions after reading the “Application of commonly used Cleaning / Disinfectants on Liko products” at page 2 in this document. Follow the manufacturer’s instructions for proper use of the disinfectant. After you disinfect the lift, wipe the lift with a moist cloth using clean water to remove all disinfectant residue.

△ The lift may not be cleaned with CSI or equivalent.
   The hand control may not be cleaned with Viraguard or equivalent.
   The control box may not be cleaned with Anioxy Spray or equivalent.
Liko M220™/Liko M230™ lifts

Cleaning Instruction

1. △ Unplug mains (AC power source) before cleaning and disinfection.
2. Clean the lift with a moist cloth, using warm water and a facility approved neutral detergent. A soft brush can be used to remove stains and resistant soil.
3. Wipe down the entire lift starting from the top down. Do not use a cloth that is dripping wet. To have access to all areas run the lift into the highest and lowest positions and extend the base width adjustment entirely in and out. Remove the Battery to have access behind the battery.

NOTE! Do not clean the piston rod!

4. Pay special attention to the following areas:
   • Sling bar
   • Mechanical emergency lowering
   • Handles
   • Hand control
   • Emergency stop
   • Pedal for base width adjustment (where applicable)
   • Wheels

Disinfect
Repeat the cleaning instructions after reading the "Application of commonly used Cleaning / Disinfectants on Liko products" at page 2 in this document. Follow the manufacturer’s instructions for proper use of the disinfectant. After you disinfect the lift, wipe the lift with a moist cloth using clean water to remove all disinfectant residue.

⚠️ The lift may not be cleaned with CSI or equivalent.
   The hand control may not be cleaned with Viraguard or equivalent.
   The control box may not be cleaned with Anioxy Spray or equivalent.
Uno™ lift
Cleaning Instruction

1. △ Unplug mains (AC power source) before cleaning and disinfection.

2. Clean the lift with a moist cloth, using warm water and a facility approved neutral detergent. A soft brush can be used to remove stains and resistant soil.

3. Wipe down the entire lift starting from the top down. Do not use a cloth that is dripping wet. To have access to all areas run the lift into the highest and lowest positions and extend the base width adjustment entirely in and out. Remove the Battery to have access behind the battery.

   NOTE! Do not clean the piston rod!

4. Pay special attention to the following areas:
   - Sling bar (different designs)
   - Mechanical emergency lowering
   - Handles
   - Hand control
   - Emergency stop
   - Lever for base width adjustment (where applicable)
   - Locking handles
   - Wheels

Disinfect
Repeat the cleaning instructions after reading the "Application of commonly used Cleaning / Disinfectants on Liko products" at page 2 in this document. Follow the manufacturer’s instructions for proper use of the disinfectant. After you disinfect the lift, wipe the lift with a moist cloth using clean water to remove all disinfectant residue.

△ The lift may not be cleaned with CSI or equivalent.

   The hand control may not be cleaned with Viraguard or equivalent.
   The control box may not be cleaned with Anioxy Spray or equivalent.
Sabina™ lift

Cleaning Instruction

1. △ Unplug mains (AC power source) before cleaning and disinfection.

2. Clean the lift with a moist cloth, using warm water and a facility approved neutral detergent. A soft brush can be used to remove stains and resistant soil.

3. Wipe down the entire lift starting from the top down. Do not use a cloth that is dripping wet. To have access to all areas run the lift into the highest and lowest positions and extend the base width adjustment entirely in and out. Remove the Battery to have access behind the battery. The calf strap may be machine washed 60-80°C (140-176°F), see “Care and Maintenance of Liko Slings” for more information.

   NOTE! Do not clean the piston rod!

4. Pay special attention to the following areas:
   - Sling bar (different designs)
   - Side support (where applicable)
   - Handles
   - Mechanical emergency lowering (different designs)
   - Hand control
   - Emergency stop
   - Lower-leg support
   - Foot rest
   - Locking handles
   - Wheels
   - Lever for base width adjustment (where applicable)

Disinfect

Repeat the cleaning instructions after reading the "Application of commonly used Cleaning / Disinfectants on Liko products" at page 2 in this document. Follow the manufacturer’s instructions for proper use of the disinfectant.

After you disinfect the lift, wipe the lift with a moist cloth using clean water to remove all disinfectant residue.

⚠️ The lift may not be cleaned with CSI or equivalent.

   The hand control may not be cleaned with Viraguard or equivalent.
   The control box may not be cleaned with Anioxy Spray or equivalent.
   The foot rest may not be cleaned with Terralin Protect, Virex II or equivalent.

The leg support on Sabina II, S/N up to 460899 and leg support on Sabina 200, S/N up to 3501599 may only be cleaned with warm water and a facility approved neutral detergent. The leg support on Sabina II S/N from 460900 and leg support on Sabina 200, S/N from 3501600 may be cleaned with the recommended disinfectants.
Golvo™ lift

Cleaning Instruction

1. △ Unplug mains (AC power source) before cleaning and disinfection.

2. Clean the lift with a moist cloth, using warm water and a facility approved neutral detergent. A soft brush can be used to remove stains and resistant soil.

3. Wipe down the entire lift starting from the top down. Do not use a cloth that is dripping wet. To have access to all areas run the lift into the highest and lowest positions and extend the base width adjustment entirely out. Remove the Battery to have access behind the battery. Lower the sling bar to get access to the whole lift strap. Fully extend the lift strap by using the emergency lowering. After cleaning the lift strap, and before you raise the sling bar, make sure the lift strap has dried. After the emergency lowering device is used, the lifting level needs to be restored; see the Instruction Guide for the Golvo lift.

4. Pay special attention to the following areas:
   - Lift strap
   - Sling bar (different designs)
   - Arm rest
   - Mechanical emergency lowering
   - Hand control (different designs)
   - Handles
   - Operation panel (where applicable)
   - Emergency stop
   - Wheels

Disinfect
Repeat the cleaning instructions after reading the “Application of commonly used Cleaning / Disinfectants on Liko products” at page 2 in this document. Follow the manufacturer’s instructions for proper use of the disinfectant. After you disinfect the lift, wipe the lift with a moist cloth using clean water to remove all disinfectant residue.

△ The lift may not be cleaned with CSI or equivalent.
   - The hand control may not be cleaned with Viraguard or equivalent.
   - The control box may not be cleaned with Anioxy Spray or equivalent.
   - The lift strap may not be cleaned with Oxivir Tb, Dispatch, Chlor-Clean, Dismozon Pur or equivalent.
LikoLight™ lift
Cleaning Instruction

1. **△ Unplug mains (AC power source) before cleaning and disinfection.**

2. Clean the lift with a moist cloth, using warm water and a facility approved neutral detergent. A soft brush can be used to remove stains and resistant soil.

3. Wipe down the entire lift starting from the top down. Do not use a cloth that is dripping wet. To have access to all areas run the lift into the highest and lowest positions and extend the base width adjustment entirely in and out. Remove the Battery to have access behind the battery.

**NOTE! Do not clean the piston rod!**

4. Pay special attention to the following areas:
   - Sling bar (different designs)
   - Mechanical emergency lowering
   - Handles
   - Hand control
   - Emergency stop
   - Pedal for base width adjustment
   - Lever for base width adjustment (where applicable)
   - Locking handles
   - Wheels

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**Disinfect**

Repeat the cleaning instructions after reading the "Application of commonly used Cleaning / Disinfectants on Liko products" at page 2 in this document. Follow the manufacturer’s instructions for proper use of the disinfectant.

After you disinfect the lift, wipe the lift with a moist cloth using clean water to remove all disinfectant residue.

**△ The lift may not be cleaned with CSI or equivalent.**

- The hand control may not be cleaned with Viraguard or equivalent.
- The control box may not be cleaned with Anioxy Spray or equivalent.
RollOn™ lift
Cleaning Instruction

1. Clean the lift with a moist cloth, using warm water and a facility approved neutral detergent. A soft brush can be used to remove stains and resistant soil.

2. Wipe down the entire lift starting from the top down. Do not use a cloth that is dripping wet.

3. Pay special attention to the following areas:
   - Torso cushion
   - Safety lock
   - Handles
   - Seat frame
   - Raising handles
   - Rear supports
   - Locking handles
   - Lower-leg support
   - Foot rest
   - Wheels

Disinfect
Repeat the cleaning instructions after reading the "Application of commonly used Cleaning / Disifectants on Liko products” at page 2 in this document. Follow the manufacturer’s instructions for proper use of the disinfectant.

After you disinfect the lift, wipe the lift with a moist cloth using clean water to remove all disinfectant residue.

⚠️ The lift may not be cleaned with CSI or equivalent.
The foot rest may not be cleaned with Terralin Protect or Virex II or equivalent.
**Likorall™ lift**

**Cleaning Instruction**

1. **⚠️ Unplug mains (AC power source) before cleaning and disinfection.**

2. Clean the lift with a moist cloth, using warm water and a facility approved neutral detergent. A soft brush can be used to remove stains and resistant soil.

3. Wipe down the entire lift starting from the top down. Do not use a cloth that is dripping wet. Lower the sling bar to get access to the whole lift strap. After cleaning the lift strap and before you raise the sling bar, make sure the lift strap has dried.

   *The Likorall lift with mechanical emergency lowering:* fully extend the lift strap by using the mechanical emergency lowering. After cleaning the lift strap and before you raise the sling bar, make sure the lift strap has dried. After the mechanical emergency lowering device is used, the lifting level needs to be restored; see the Instruction Guide for the Likorall lift.

4. Pay special attention to the following areas:
   - Lift strap
   - Electrical emergency lowering/raising
   - Emergency stop
   - Emergency stop cord
   - Mechanical emergency lowering (where applicable)
   - Sling bar (different designs)
   - Hand control (different designs)
   - Electrical emergency lowering device (where applicable)

**Disinfect**

Repeat the cleaning instructions after reading the "Application of commonly used Cleaning / Disinfectants on Liko products” at page 2 in this document. Follow the manufacturer’s instructions for proper use of the disinfectant. After you disinfect the lift, wipe the lift with a moist cloth using clean water to remove all disinfectant residue.

⚠️ The lift may not be cleaned with CSI or equivalent.

The hand control may not be cleaned with Viraguard or equivalent.

The lift strap may not be cleaned with Oxivir Tb, Dispatch, Chlor-Clean, Dismozon Pur or equivalent.
**Multirall™ lift**

**Cleaning Instruction**

1. **△ Unplug mains (AC power source) before cleaning and disinfection.**

2. Clean the lift with a moist cloth, using warm water and a facility approved neutral detergent. A soft brush can be used to remove stains and resistant soil.

3. Wipe down the entire lift starting from the top down. Do not use a cloth that is dripping wet. Lower the sling bar to get access to the whole lift strap. After cleaning the lift strap and before you raise the sling bar, make sure the lift strap has dried.

4. Pay special attention to the following areas:
   - Electrical emergency lowering/raising
   - Mechanical emergency lowering
   - Emergency stop
   - Handles
   - Lift strap
   - Hand control
   - Sling bar (different designs)

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**Disinfect**

Repeat the cleaning instructions after reading the “Application of commonly used Cleaning / Disinfectants on Liko products” at page 2 in this document. Follow the manufacturer’s instructions for proper use of the disinfectant.

After you disinfect the lift, wipe the lift with a moist cloth using clean water to remove all disinfectant residue.

**△ The lift may not be cleaned with CSI or equivalent.**

- The hand control may not be cleaned with Viraguard or equivalent.
- The lift strap may not be cleaned with Oxivir Tb, Dispatch, Chlor-Clean, Dismazon Pur or equivalent.
Lift Stretchers
Cleaning Instruction

1. Clean the stretcher with a moist cloth, using warm water and a facility approved neutral detergent. A soft brush can be used to remove stains and resistant soil.
2. Wipe down the entire stretcher starting from the top down. Do not use a cloth that is dripping wet.

Disinfect
Repeat the cleaning instructions after reading the “Application of commonly used Cleaning / Disinfectants on Liko products” at page 2 in this document. Follow the manufacturer’s instructions for proper use of the disinfectant. After you disinfect the stretcher, wipe the stretcher with a moist cloth using clean water to remove all disinfectant residue.

⚠️ The stretcher may not be cleaned with CSI or equivalent.