



Combi Unit Instruction Manual

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The meshes are supplied with full washing instructions as stated on the sewn in label

Combi Unit

Material: 100% Polyester 5710

Safe working load 175KG

After use remove the client from the cradle. Rinse the mesh with fresh clean water.

If used in swimming pools/spa pools, due to the chemicals used this may cause slight discolouration of the mesh/straps etc.

Washing Instructions

Mild soap solution

Temperature up to 60°C and then rinse

Do not use biological detergents

Dry in normal manner

Do not use hot air driers

Do not use bleach or any kind



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We at Daily Care want you to get the best out of your new Combi Unit. These instructions will familiarize you with the unit and its features. It contains the operating and general care instructions along with installation procedures.

Daily Care is dedicated to providing products of exacting quality which conform fully and reliably to the requirements of their intended use. The maximum user weight for this product is 175kg and is manufactured to CE standards.

Intended Use of Product

This Combi Unit has been produced to facilitate the bathing, showering and toileting of severely disabled patients with the aid of a carer or nurse.

Your Combi Unit comes with all parts required as specified; firstly check contents for any damage which may have occurred during transit. Report any problems immediately.

It's important that you understand exactly how the Combi unit operates and that you can operate it safely. We recommend that you try a few dry runs i.e. with nobody in the cradle, until you are completely happy with the operation.

Before being able to use your Combi Unit you will need to charge the battery, this MUST be carried out in a suitable position close to a 240V power supply, screw the charger unit in place and locate the battery on top of the charger unit (a full charge will take approximately 6 hours).

Once charged the battery simply clips onto the control box located on the back of the base transporter. You will hear a click when the battery is located correctly, to remove the battery release the small lever on the right hand side and at the rear of the battery.

Basic Technical Data

Rechargeable Battery 24v = IP65 Rating
Actuator 24v Permanent Magnet Motor = IP65 Rating
Handset = IP65 Rating

Battery Charger 240v AC = IP65 Rating
{Not to be used in wet areas}

Combi must not be used in shower if battery is not fitted.

- The mesh and lifting straps are manufactured from 100% polyester.
- Do not wash either at temperatures above 60°C.
- Do not dry clean.
- Do not use bleach of any kind.

Cleaning Guidelines

General cleaning of the base transporter and the cradle should be carried out on a regular basis as and when required. The stainless steel work is powder coated and lacquered. It can be cleaned with warm water and a mild proprietary detergent.

Dry unit after every use!

Polygiene

All the sections of the mesh on the Combi 3 in 1 Unit are coated in Polygiene to ensure there are no health and hygiene risks. Polygiene lasts the lifetime of the fabric by being permanent odour control, inhibiting the growth of odour-causing bacteria.

The patented technology helps to protect the mesh against microbes by building one of nature's own antimicrobial agents into various types of materials & products. Harmful microbes deposited onto these surfaces become incapable of replicating themselves through a process known as:

"The Polygiene Effect"

Polygiene technology is based on the natural ability of silver salt to inhibit the growth of a wide range of harmful microbes. In products made with Polygiene, silver ions continuously migrate to the surface where the silver ions effectively suppress microbial growth. This activity provides protection 24 hours a day, 7 days a week throughout the normal lifespan of the product.



Your new combi unit is fitted with four brake castors, these should always be engaged when the system is stationary. The castors lock by pressing down the lever at the top of the wheels. Patients may be moved up/down inclines no greater than 10% (1 in 10) to avoid tipping. Once the cradle is in position on the base transporter it **MUST** be secured using the red swivel locking mechanisms located at the front and rear of the base transporter sub-frame.

Before changing the position of the cradle, ensure that the patients hands, arms and legs are in a safe position and cannot become trapped. Secure with the colour coded lap strap provided.

To change the position of the chair press the button on the handset indicating the required direction, once in the desired position release the button. The cradle can be adjusted and left in any desired position.

The side arms on the cradle **MUST NEVER** be used to lift or manipulate the unit.

When transferring a patient and cradle to or from the base transporter, with a mast or ceiling hoist, ALL four hanger bolts and colour coded lifting straps (provided) **MUST** be used. The aluminium hooks simply clip onto the cradle hanger bolts and the opposite end attaches to the hoist.

All new Combi units leave the factory inspected and ready for use after initial installation. Continuous use will require regular routine maintenance of your system. The table on the next page gives details of minimum requirements and intervals of service. In the interests of safety and efficiency of your new Combi Unit this service schedule **MUST** be adhered to.

<u>Checks</u>	<u>Monthly</u>	<u>Quarterly</u>	<u>Inspect</u>
Mesh	Yes		All zips & mesh for wear
Lifting Straps		Yes	Check for any signs of wear
Actuator	Yes		Check all fixing bolts
Castors		Yes	Check for security & freeness
Pivot Pins		Yes	Check nut is tight

In addition to this schedule a complete inspection and safety check replacing any worn parts **MUST** be carried out by an approved supplier/agent.

Operation & Maintenance for Actuator and Controls

The Actuator & Control box are already fitted & ready for use, before using, connect the handset. The handset plugs into the control box, however it is important to correctly line up the lug on the plug & the slot in the socket. It is also very important to ensure that the plug is fully pushed into the socket to achieve a water tight seal.

This system is suitable for use in all normal domestic bathrooms & showers, however the base transporter is NOT suitable for submersion in a bath or swimming pool.

The system must NOT be pressure washed.

None of the components are serviceable & must not be opened as this will invalidate your warrantee. Spare parts are available from your supplier or direct from Daily Care Ltd.

Combi Unit Warranty

This warranty will in no way affect your statutory rights. Your new Combi Unit is guaranteed for a period of 24 months from the date of delivery, against faults in materials or workmanship, providing that all servicing and routine maintenance has been carried out in accordance with the enclosed schedule. This work must be carried out by a skilled technician. Proof of work may be required with any claim on warranty.

Daily Care Ltd must be notified as soon as is reasonably possible with full details for the fault, it will then be decided what is the most appropriate course of action to be taken.

If safety is compromised due to a fault, the unit **MUST** be taken out of commission immediately. Daily Care Ltd will not be liable for any damages after a fault has been notified.

No responsibility will be accepted where the unit has needed repair due to the following;

- The product has not been maintained to the schedule requirements.
- Damage caused by neglect, accident or improper use.
- Any modifications or alterations made by anyone other than Daily Care Ltd.
- Any repairs made by anyone other than an agent of Daily Care Ltd.

Battery is not included in the Warranty

Please remember to keep a record of all routine servicing carried out and by whom, this information may be required before a claim can be accepted

	<u>Trouble-Shooting (Main System)</u>	
<u>Symptom</u>	<u>Possible Cause</u>	<u>Action</u>
Power indicator does not light up	Not connected to mains. The fuse has blown.	Connect to mains replace fuse, if the system is prepared for external fuse replacement, or send system for repair.
	Defective power cable	On control boxes with exchangeable power cable, change the cable. On control boxes with fixed cable send it for repair.
	Control box defective	On control boxes with exchangeable power cable, change the cable. On control boxes with fixed cable send it for repair.
Power indicator lights up but actuator does not run. Replays in control box are heard clicking.	Actuator plug not pushed into control box properly. Actuator defective. Control box defective.	Push actuator plug into control box properly. Replace actuator. Replace control box.
Power indicator lights up but actuator does not run. No relay noise is heard for control box	Control box defective. Handset defective.	Send control box for repair. Send handset for repair.
	Battery completely flat. Battery defective.	Charge Battery. Replace Battery.
Control box completely dead on battery & no relay clicking is heard		
Actuator does not run on battery, but clicking is heard.	Actuator plug not properly pushed into control box. Actuator defective.	Push actuator plug properly into control box. Replace actuator.
	Control box defective. Handset defective.	Replace control box. Send control box for repair.
Control box ok apart from one direction on one channel.	Control box defective.	



Safety Instructions

Please read the following safety instructions carefully. It is important for everyone who is connecting, installing or using the systems to have the necessary Information & access to this User Manual.

Before installation, de-installation or troubleshooting:

- Stop the actuator.
- Switch off the power supply or pull out the mains plug.
- Relieve the actuator of any loads which may be released during the work.

Before start up:

- Make sure that the system has been installed as instructed in the user manual.
- Make sure that the voltage stated on the label at the control box is correct before the system is connected to the mains.

System connection; the individual parts must be connected before the control box is connected to the mains. See, if necessary, the User Manual for LINAK actuators.

Maintenance of IP66 products in the MEDLINE series

The materials are resistant to the majority of cleaners & disinfectants used in the hospital & nursing home sector. Cleaning with a steam cleaner, for example, is not permitted, as it will not be possible to maintain a minimum distance of 300mm from the electrical parts.

- IP66 products can be washed in wash tunnels which are equivalent to Kliendienst's Clean-Station WS3-387 wash tunnel. Provided that the following guide lines are complied with: the cleaning & disinfections cycle in the tunnel wash does not last longer than 10mins.
- The nozzle pressure in the wash tunnel does not exceed 10 bar.

- The distance between the nozzle & the electrical parts must be at least 300mm.
- The handset & motor plug must be pushed right in.
- The water temperature must not exceed 85°C.
- Cooling with cold water is not permitted.

To avoid degreasing of the piston rod, the actuator should be retracted to minimum stroke before washing. The following directions regarding cleaners & disinfectant must be complied with:

- They must not be highly alkaline or acidic (PH value 6-8).
- They must not contain caustic agents.
- Their contents must not be able to change the structure of the surface or adhesion of the plastic.
- They must not break down grease.

Start-up/Operation

When Starting up & operating LINAK systems:

- Check for correct functioning after installation.
- The duty cycle must not exceed 10% unless specified otherwise.
- The systems must only be used in an environment which corresponds to their IP protection.
- Unless specified otherwise on the label, the IP protection of the system is as indicated in the table pages 24-25, specifications.

Maintenance

- Clean dust & dirt off the outside of the systems at appropriate intervals & inspect them for damage & breaks.
- Inspect the connections, cables, cabinets & plugs, check for correct functioning (does not apply to battery versions) .
- With the exception of the CS 16 PCB the control boxes are sealed & maintenance free.

- The actuator, handset & control box must be IP66 to withstand cleaning in wash tunnels. Make sure that the plugs are correctly fitted with O-Rings before washing.
- Inspect at regular intervals that the ventilation aperture on the external battery is positioned correctly & is intact throughout its length, approx. 20mm.

<u>Trouble-Shooting (Actuator)</u>		
<u>Symptom</u>	<u>Possible Cause</u>	<u>Action</u>
No motor sound or movement of piston rod.	The actuator is not connected to the control box.	Connect the actuator to the control box.
Excessive electricity Consumption.	Cable damaged.	Send actuator for repair.
Motor runs but spindle does not move Actuator cannot lift full load	Gear wheel or spindle damaged Clutch is worn (LA38) Motor is damaged	Send actuator for repair. Send actuator for repair.
Motor sound but no movement of piston rod. No signal from reed switch.		Send actuator for repair. Send actuator for repair.
Motor runs & quick release does not function or is noisy. Piston rod will only move inwards & not outwards. Motor runs too slowly or does not give full force.	Declutching arm turn less than approx. 75 degrees. Safety nut has operated. Insufficient power supply. Voltage drop in cable.	Adjust cable lead. Send actuator for repair. Increase power supply. Thicker cable.