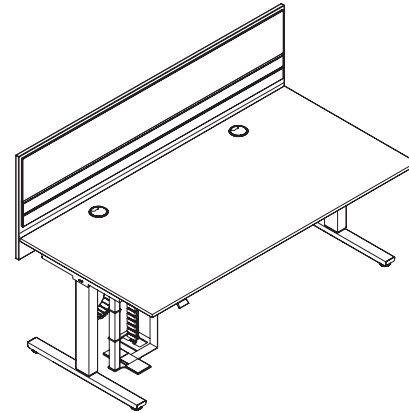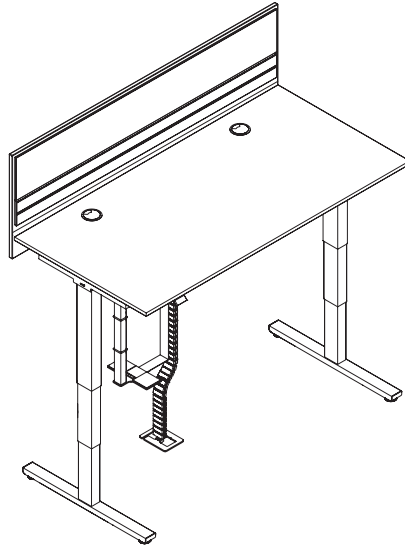# LIFT DESK PURE

EN SAFETY AND OPERATING INSTRUCTIONS

⚠ NOTE
Please read all instructions carefully before operating the system. Keep instruction manualfor further reference. This document is alternative available on the official Bene - homepage. (www.bene.com)

EN

Lift Desk Pure with cable tray

Lift Desk Pure with CPU - holder
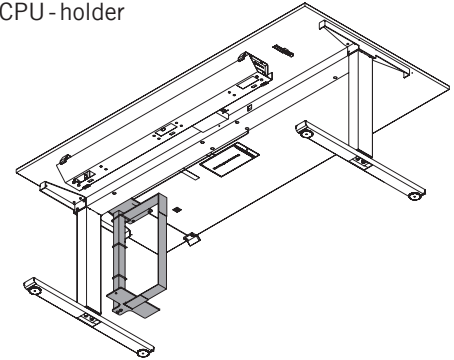
Lift Desk Pure with cable duct

Lift Desk Pure with Third working level 3L/3T
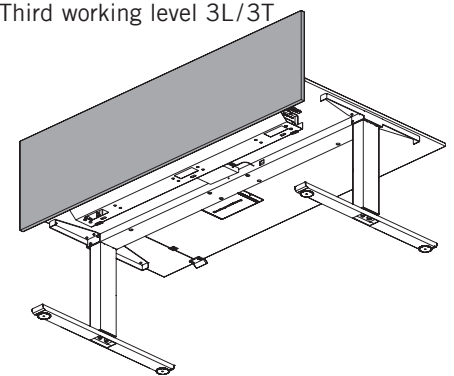
⚠ **Please observe the safety instructions! Improper operation of the system may result in personal injury and cause damage to objects!**

1. Unplug the power cord in case of smoke, smell or unusual noise.

2. Make sure no objects or parts of the body get caught when operating the motor.

3. The piece of furniture must not be adjusted in height if other people are located directly in its vicinity.

4. Do not place any objects or parts of the body between fixed or movable parts.

5. Height adjustment is only possible in jog mode. If an obstacle is encountered or if there is a functional fault, stop the adjustment immediately.
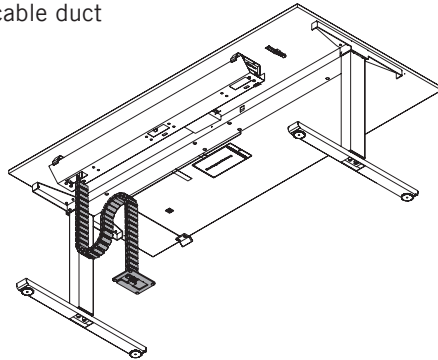
6. Make sure adjacent objects are placed at a minimum distance of 25 mm to prevent them from being squeezed or sheared!

7. Ensure that the safety distances are 25 mm for movable parts (this also applies for organisational elements which are fitted above or underneath the furniture, mounted to adjoining walls or building parts such as open windows).

8. The protection against uncontrolled move ment does not prevent objects being trapped! For physical reasons, „soft" obstacles are not easily recognised and evaluated, if at all!

9. In case of hitting an obstacle, slight damage (scratching, pressure marks, etc.) to such obstacles may result (table is lifted at nominal speed)!

10. Do not change or modify the control mechanism or the operating device.

11. Never open the enclosure of the control unit or power supply. Unauthorised opening of the enclosure or improper repairs may endanger the user and voids all warranty claims.

12. Only professionals authorised by the manufacturer may do maintenance or repair.

13. Do not operate devices in explosive environments.

14. This furniture is admitted only for the commercial office area and management in interiors.

15. This appliance must not be used by any person (including children) with limited physical, sensorial or mental abilities or failing experience and/or knowledge unless they are supervised by a person responsible for their safety or received instructions about how to use the appliance. Children should be supervised in order to make sure that they do not play with the appliance.

16. The manufacturer assumes no liability for damage resulting from improper use.

17. Connection plug boards must be fixed properly for easy plugging and unplugging. Plugs and connection plug boards must be located in such a way that no fluids come into contact with electrical equipment when the office furniture is used properly.

18. The power cable must be secured in the strain relief. Interconnecting cables may be run loosely. All lines and cables must be run in such a manner as to avoid mechanical damage (i.e., shearing, abrasion…).

19. Furniture with flexible or height-adjustable components require special care. Cables must be sufficiently long to allow height adjustments without damaging the cables and wiring (i.e., stretching, crushing, ...).

20. If the power cord of this equipment is damaged, it must be replaced by the manufacturer, their customer service, or a similarly qualified person so as to avoid any risk.

21. Do not spill liquids into the control unit or power supply unit, as this could cause electrical shock or short circuits.

22. The operation of the control mechanism and the power supply unit requires a minimum of 5°C and a maximum temperature of 40°C.

23. For the above reasons do not install the control unit:
    - above or in front of heat sources (e.g. radiators),
    - at places exposed to direct sunlight,
    - in small, unventilated or humid rooms,
    - near easily flammable materials, or
    - near high-frequency devices (e.g. transmitters, radiation equipment, or similar devices)

 Warning: In the event of a fault it is possible that the table top moves a bit during every attempt whilst operating before the safety switch off kicks in. Please take care to avoid the possible danger of crushing.

 Warning: During all reset procedures the collision protection is not active. Please take care to avoid possible danger of crushing.

 Please note: If the product is visibly damaged it must not be installed or used further!

24. After 2 minutes of continuous operation the system automatically shuts itself off and cannot be used for an additional 18 minutes. This keeps the motor from overheating.

25. Do not exceed maximum load of 75 kg.

200%

140%

100%
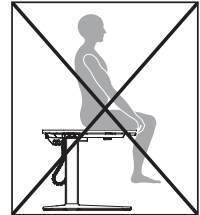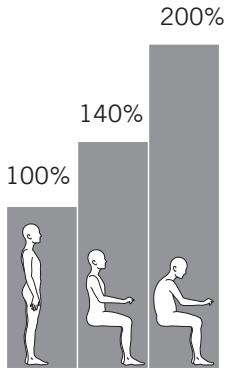
Sitting with a hunched back doubles the burden (200%) on the vertebral disks compared to standing up (100%).

> 600 mm

20°

> 100 mm

90-100°

90-100°

650-1250mm
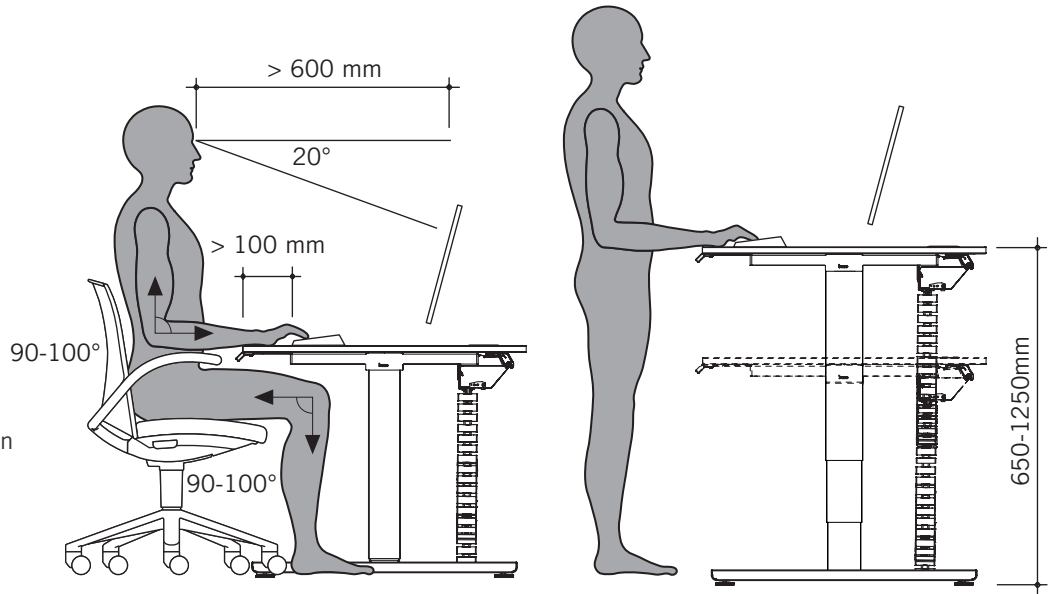
Occupational health experts have issued standards and recommendations for preventing harmful habits and their negative health impact at the office workplace. These standards and recommendations are based on findings relating to an incorrect and tense sitting posture which limits performance and produces long-term physical damage over time.

Source: Wilkhahn
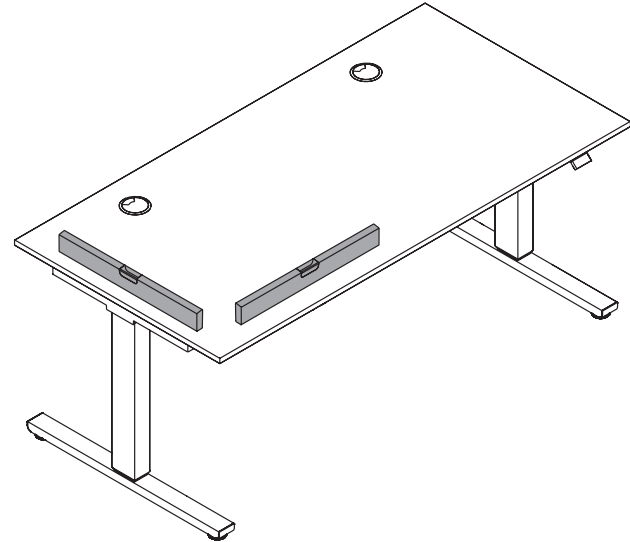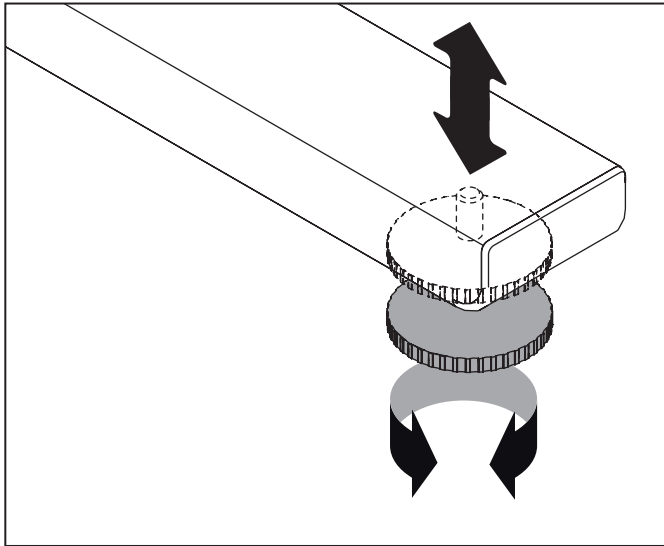
The desk must be reset after levelling!

Please note: The protection against uncontrolled movement is deactivated during resetting. Make sure there are no objects or impediments under the table! (specifically in the area of the column)

"Light" Manual control

Raise table top   Lower table top

"Pro" Manual control

Memory position button 1   Display   Raise table top

Memory position button 2

Memory position button 3

Memory position button 4   Memory button   Lower table top
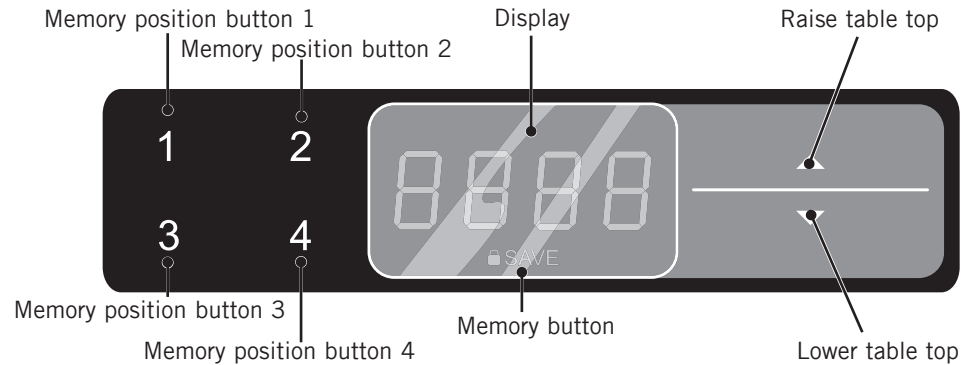
Function	Description	Note
Desk upwards	For an upward adjustment of the desk push this button. Push this button until the desired height of the desk has been reached.	The desk will continue driving upwards until you release the button, or the maximum height is reached.
Desk downwards	For a downward adjustment of the desk push this button. Push this button until the desired height of the desk has been reached.	The desk will continue driving downwards until you release the button, or the minimum height is reached.

When the desk is used for the first time a reset must be done before you can operate the product. The reset causes all of the columns to be brought to the same level. This ensures that the table top is positioned parallel with the ground. The controller also saves the connected components in the standard configuration, such as columns or a sensor, if there is one attached. After the reset, changes to the configuration are detected and considered to be errors. The system will not operate until the configuration stored in its memory has been re-established.

When the actual desktop position no longer corresponds to the height displayed or you wish to use a configured control unit on another identical electric height-adjustable desk, you have to reset the lowest desktop position to the minimum height.

1.   ▼   Press the **desktop down key**.

Keep pressing it until the desktop has reached the lowest position (programmed desktop position).

2.   ▼   Press the **desktop down key** again and keep pressing it.

After about 5 seconds, the desktop will slowly move further down until it reaches the absolutely lowest desktop position possible.

3.   Release the **desktop down key**. The electric height-adjustable desk can now be used again normally.

Danger: Intelligent system protection (ISP) is not enabled during all resets and limit position calibration. Please note that there is a potential risk of pinching in this case.

These 2 features can be used to limit the movement area of the desktop (e.g. if a container is placed underneath the desktop). A container stop position can be defined in the lower half of the movement area, a shelf stop position in the upper half. If a container stop position is set, this position will be the lower limit position. If a shelf stop position is set, this position will be the new upper limit position. To **store** a container stop / shelf stop position, go on as shown below:

1. ▼ or ▲   Move the desktop to the position where the container stop/ shelf stop position shall be stored. Do so by pressing the **desktop down** or **desktop up key** until you reach the desired position.

2. ▼ ▲   **Note:** A container stop position can only be stored in the lower half of the movement area and a shelf stop in the upper half. Press ▼▲ for 10 seconds. The SMART will click twice when the container stop position is stored.

Note: These steps have to be done for a container stop and a shelf stop position separately!

To **deactivate** the container stop/ shelf stop position go on as shown below:

1. ▼ or ▲   Move the desktop to any position in the lower half to deactivate the container stop. / Move the desktop to any position in the upper half to deactivate the shelf stop.
Do so by pressing the **desktop down** or **desktop up key** until you reach the desired position.

2. ▼ ▲   Press ▼▲ for 10 seconds.
The SMART will click **once** when the container stop position is deactivated.

Note: These steps have to be done for a container stop and a shelf stop position separately!

You can use this function to adjust the desktop to a saved height. To change to a saved position, proceed as follows:

Note: If you are switching on the control unit for the first time, all the saved positions are set to the lowest desktop height (minimum desktop position).

1. Adjust the desktop to the position you want to save.

The display will show the desktop height (e.g. 74).

2. Press the memory key.

The display will read S –.

3. Press the required memory position key (e.g. 2).

The display will read S 2.

4. The set desktop position will now be saved tot he selected memory position key.

You will hear an audible double click and after about 2 seconds the saved desktop position will be displayed.

You can use this function to adjust the desktop to a saved height. To change to a saved position, proceed as follows:

1.	**2**	Press the required memory position key (e.g. 2) and hold it down. The desktop will move until it reaches the saved position. If you release the key before the saved position is reached, the desktop will stop and the saved desktop position will not be reached.
2.		The desktop has reached the saved position. Now release the memory position key.
		The display will read the current (saved) desktop position.

The "Pro" manual control is equipped with a push-push function which is used to move out the user interface panel automatically.

Note: To extend the control panel you have to press it while it is retracted. Afterwards you have to release it. The control panel will extend automatically (push-push function). Do not pull while the control panel is retracted. The control panel can get damaged.
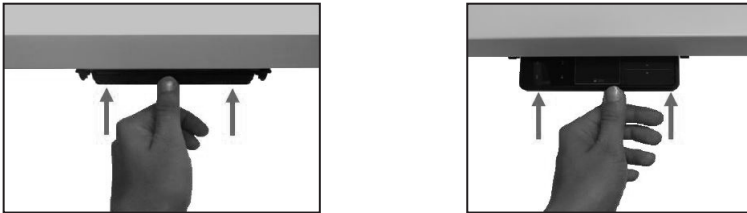
Figure 1: left: Press the user interface panel so that it extends automatically; right: lift the user interface panel to a horizontal-position and push it into the holder to retract the user interface panel

Note: The connection cable has to form a loop of at least 10 cm to ensure that the push-push function works properly.
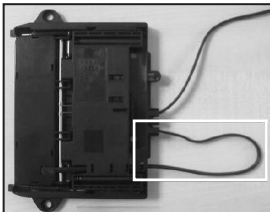
Figure 2: The cable loop (highlighted white) shall be at least 10 cm long to ensure that the push-push function works properly.

Note: Depending on the ambient temperature the user interface panel may take varying time to move out (it may take longer if it is cooler).

The keylock can be enabled and disabled by swiping the screen. After enabling the keylock a key will be shown on the display.

Figure 3: The key indicates that the keylock is enabled

Figure 4: Activating and deactivating the keylock can be done by swiping left or right underneath the display

Note: The direction of movement is not relevant (see Figure 4)

Note: You have to swipe the screen gently without pressing a button while swiping.

Note: The display must be active during activation or deactivation of the keylock (e.g. showing the current height). To activate the display, press one key shortly (e.g. desktop up button).

Menu function
By pressing the **memory position key 1 and 2** and the **desk upwards key** at the same time for more approx. 5 seconds you will enter the menu. After you release the keys, the display will show **S and a number**, e.g. **S 5**. To select a menu option you have to press the **Memory key**. ◼SAVE

Note: The available menu options depend on the parameters of the control unit. For more information about menus please read the user manual of the control unit.

When the control unit is switched on the SMART uses its relays to inform the user acoustically about the system state and the reason why the control unit was switched off before. The table below shows which number of clicks corresponds to certain information.

NUMBER OF CLICKS	STATE INFORMATION
2x	**Normal operation:** No problems detected.
1x	**Emergency operation:** The system is in Safe-State, movement is not possible. Check LED indication and/or error codes on the display of the handswitch.
3x - 6x	**Last shutdown incomplete / forced reset:** Check LED indication and/or error codes on the display of the handswitch.

Display does not work (buttons work)

Possible cause	Remedy
Cable is defective	Replace the handswitch.
Display is defective	Replace the handswitch.
Microcontroller is defective	Replace the handswitch.
Handswitch is defective	Replace the handswitch.

Buttons do not work (display works)

Possible cause	Remedy
Cable is defective	Replace the handswitch.
Handswitch is defective	Replace the handswitch.
Buttons are pressed during installation	Disconnect and re-connect the handswitch to the control unit without touching the user interface.

Handswitch does not work (neither display nor buttons)

Possible cause	Remedy
Cable is not plugged in	Plug the plug in the intended jack marked with HS.
Cable is not plugged in as intended	
Bad pin contact	Plug off the handswitch an plug it in as intended.
Cable is defective	Replace the handswitch.

Display	DESCRIPTION	SOLUTION
HOT	Motor controller overheated	• Wait until the motor controller has cooled off and the "hot" message on the display has disappeared. This can take up to 18 minutes (on-time monitoring: 2 min. continuous operation, 18 min. pause). The controller is ready for use again after this.
E00	Internal error channel 1	• Turn off the motor control.
E01	Internal error channel 2	• Contact customer service.
E12	Defect Channel 1	• Unplug the control unit.
E13	Defekt Kanal 2	• Fix the external short circuit or plug in the correct motor to the motor socket that shows the error. • Start the control unit again.
E24	Overcurrent Motor M1	
E25	Overcurrent Motor M2	• Remove jammed objects from the driving area.
E48	Overcurrent Motor Group 1	• Desk might be overloaded → Remove load from desk.
E60	Collision protection	• Contact customer service.
E62	Overcurrent Control Unit	
E36	Plug detection in Motor socket M1	
E37	Plug detection in Motor socket M2	• Plug in the correct motor to the motor socket that shows the error. • Reset all motors.
E61	Actuator changed	

E55	Synchronization lost motor group 1	• Remove load from desktop. • Reset all motors. If error occurs after reset again, contact customer service.
E67	High voltage	• Unplug the power cord and contact the customer service.
E70	Motor configuration changed	• See chapter „Storing a position".
E81	Internal error	• Make a manual reset. • Unplug the power cord and plug it in again after a few seconds. • If this error occurs frequently, unplug the power cord and contact the customer service.

Note: The **PowerFail detection** identifies mains power breakdowns and saves all relevant data before the voltage falls below a critical threshold. In some exceptional cases, this storage is not possible and the error **E81** is shown on the handswitch display (if available) and the SMART clicks three times. To rectify this error, **a manual reset** is necessary (see chapter „manual reset").

Note: If the mains power breaks down or is disconnected from the control unit during movement of the drives, a manual reset might be necessary.

Handschalter LIGHT

Supply voltage...5VDC ± 10%
Power consumption (Average) 0mA
Dimensioning of switching current 50mA
Lifetime (Cycles of operation) 10.000
Ambient temperature in operation............................ 0 - 30°C
Humidity (In operation)..5 - 85%
(not condensing)
Storage and transport temperature ....-40°C bis +60°C
Humidity (at storage) 5-90%
(not condensing)
Weight...70g (incl. cable)

Control

Input power supply ....230 V, 50 Hz, 2,5 A
Max. on-time......................................2 min on, 18 min off-
Protection class...I
Noise..<50 dB
Upward lift speed ....35 mm/s

Handschalter PRO

Supply voltage...5VDC ± 10%
Power consumption (Average) 60mA
Power consumption in standby (Average) 1,3mA
Lifetime (Cycles of operation) 10.000
Ambient temperature in operation............................ 0 - 30°C
Humidity (In operation)..5 - 85%
(not condensing)
Storage and transport temperature ....-40°C bis +60°C
Humidity (at storage) 5-90%
(not condensing)
Cable length .... 2200 mm ±40 mm
Dimension (L, B, H) [mm]........................ 150 x 155,6 x 14,8

Tolerances to DIN ISO 2768-1 c
Weight... 197g (incl. cable)

bene

EG-Konformitätserklärung
EC-Declaration of Conformity

Hiermit erklären wir, der Hersteller
We, the manufacturer

BENE AG
Schwarzwiesenstrasse 3
A-3340 Waidhofen/Ybbs

in alleiniger Verantwortung, dass folgendes Produkt (Bezeichnung, Type, Artikel-Nr.,
Ausführung, Sonderausstattung):
declare under our sole responsibility that the following product (name, type, No., special equipment):

PURE Lift Desk; Sitz-/Steharbeitsplatz; elektromotorisch höhenverstellbar
PURE Lift Desk; Sit-stand desk; continuously electronic height-adjustable
in Varianten bzw. Zusatzausstattung gemäß Preisliste
in variations and supplementary equipment referred to the price list

mit folgenden EU-Richtlinien bzw. Normen übereinstimmt:
meets the requirements of the following EC-directives and standard(s):

- Maschinenrichtlinie 2006/42/EG mit Änderungen *(Machinery directive 2006/42/EG including amendments)*
- Richtlinie elektromagnetische Verträglichkeit 2004/108/EG mit Änderungen *(EMC directive 2004/108/EG including amendments)*
- Niederspannungsrichtlinie 2004/95/EG mit Änderungen *(Low voltage directive 2004/95/EG including amendments)*

sowie diesen europäische Normen inklusive zutreffende Änderungen:
and this european standards including relevant amendments:

- DIN Fachbericht 147:2006; DIN EN 349; ÖNORM EN ISO 12100; DIN EN 527-1:2011;
  DIN EN 527-2/-3:2003; ZEK 01.4-08; (EK)5/(AK)3; DIN EN 60335-1:2012; EN 61000-
  6-2:2005; EN 61000-6-3:2007 +A1; EN 61000-3-2:2006+A1+A2; EN 61000-3:2008

Die oben genannte Firma hält Dokumentationen als Nachweis der Erfüllung der Sicherheits-
ziele und die wesentlichen Schutzanforderungen zur Einsicht bereit.
Documentation evidencing conformity with the requirements of the directives is kept available for inspection at the above manufacturer.

Dokumentationsbevollmächtigter:
Authorized documentation representative:

Herbert Pichler; Head of Product Engineering
Bene AG, Schwarzwiesenstrasse 3; A-3340 Waidhofen/Ybbs

CE 2014

Waidhofen/Ybbs, 2014-08-22

Rudolf Payer
Head of Operations and Finance

Gentle and proper cleaning of furniture surfaces and partition walls is especially important in retaining their optimum condition for as long as possible.

We generally recommend cleaning with a moist, fluff-free cloth, moistened with pure water without the addition of any cleaning agents; furniture polishes or similar.

If cleaning with a damp cloth proves not to be adequate, careful use of a mild plastics cleaner without abrasive additive is admissible on melamine surfaces. Wood polishes must not be used on open-pored lacquered veneer surfaces (oak, walnut, ash and bamboo).

This settles into the open pores, closes them and gives the surface a greasy, glossy appearance after a while. The desired semi-gloss and open-pored veneer appearance is ruined. Furniture polishes available off-the-shelf can be used for closed-pore lacquered surfaces (cherry, beech and maple).

They fill the finest of scratches in the lacquer and cover them up relatively well.An enhanced glossy appearance of the surface is difficult to prevent. Never use polishes containing silicon, caustic cleaning agents with ammonia additives,

alcohol or softeners. The same applies for scratching cleaning agents with abrasive additives. Glass and material surfaces are to be cleaned in accordance with manufacturer's instructions. Please contact Bene for information and documentation on this matter.

Bene can not assume any liability for damage to surfaces caused as a result of improper cleaning.

Roland Gruber
(Head of QSE Management)

Bernhardt Kronnerwetter
(Director Production)

DISPOSAL
Instructions for the disposal of Bene products can be found in the sustainability report at: http://www.bene.com

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BENE WORKS SUSTAINABLY

Bene plays a leading role in responsible environmental management. It is practiced throughout all company divisions - from product development, procurement, production and logistics to product recycling. Bene considers ecology to be a central element of its responsible and sustainable corporate strategy. Bene sees the legal regulations as minimum requirements and strives for better and more sustainable environmental protection throughout the group.

The Bene principle in environmental policy is: Avoidance - Minimisation - Recycling - Disposal.