



Ropox Bathtub

User Manual & Mounting Instructions

Keep this manual with the product at all times!

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It is important to read this manual prior to mounting and
use

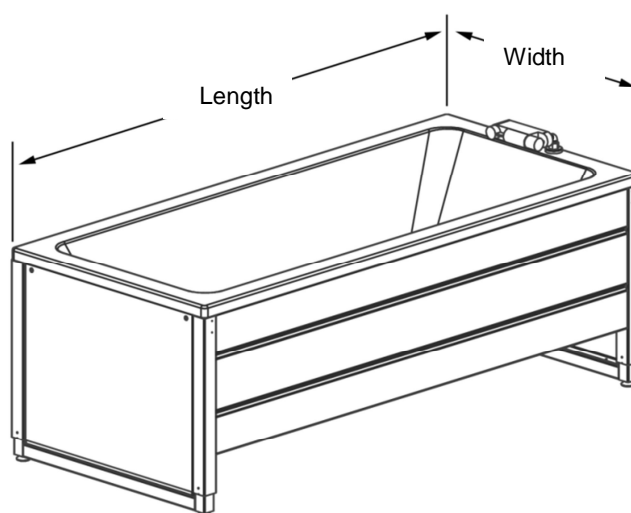
Presale information

General product information

The height-adjustable bathtub is designed for washing and bathing children and adults with a weight of up to 250 kg. The bathtub is ideal for private homes, day-care centres and the like to ensure correct and optimum working conditions for the care personnel. The product is approved for use in wet rooms.

Item numbers

Length / width	160x70cm	170x75cm	180x80cm
Bathtub item No.	40-14156	40-14157	40-14158



Technical data:

Product name:	Bathtub, height-adjustable
Power supply:	230V, 50Hz, max 2.0A,
Duty cycle max.:	Max. 10%, 2 min. ON/18 min. OFF
Height:	Bathtub 61 – 91 cm Incl. standard mixer tap 67 – 97 cm
Material – frame:	Stainless steel, surface-treated steel and aluminium
Material – tub:	Fibre-reinforced acrylic
Surface treatment:	Powder-coated, white RAL 9010 mat, chromite
Product weight:	70kg / 75kg / 80kg
Max. load:	350 kg. Max. recommended user weight 250 kg
Manufacturer:	Ropox, DK-4700 Næstved, Tel. +45 55 75 05 00



This product has CE marking according to the Medical Devices, Low Voltage and EMC Directives and has been tested according to the European Standards DS/EN ISO 12182 and DS/EN ISO 60601-1. The product belongs to risk class 1.

Presale information

Installations interfaces

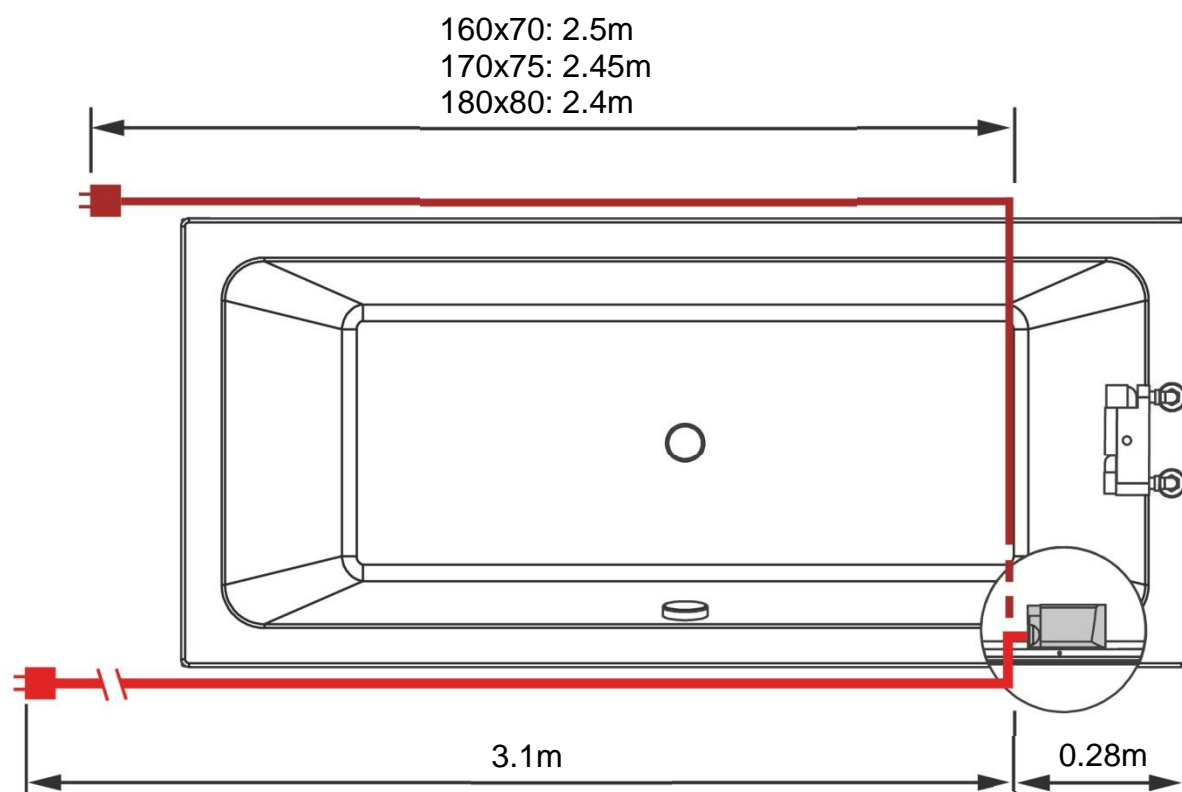
Power



Power supply points must be located according to national or international directions / standards

Reach of mains cable:

Full length = 3.5m

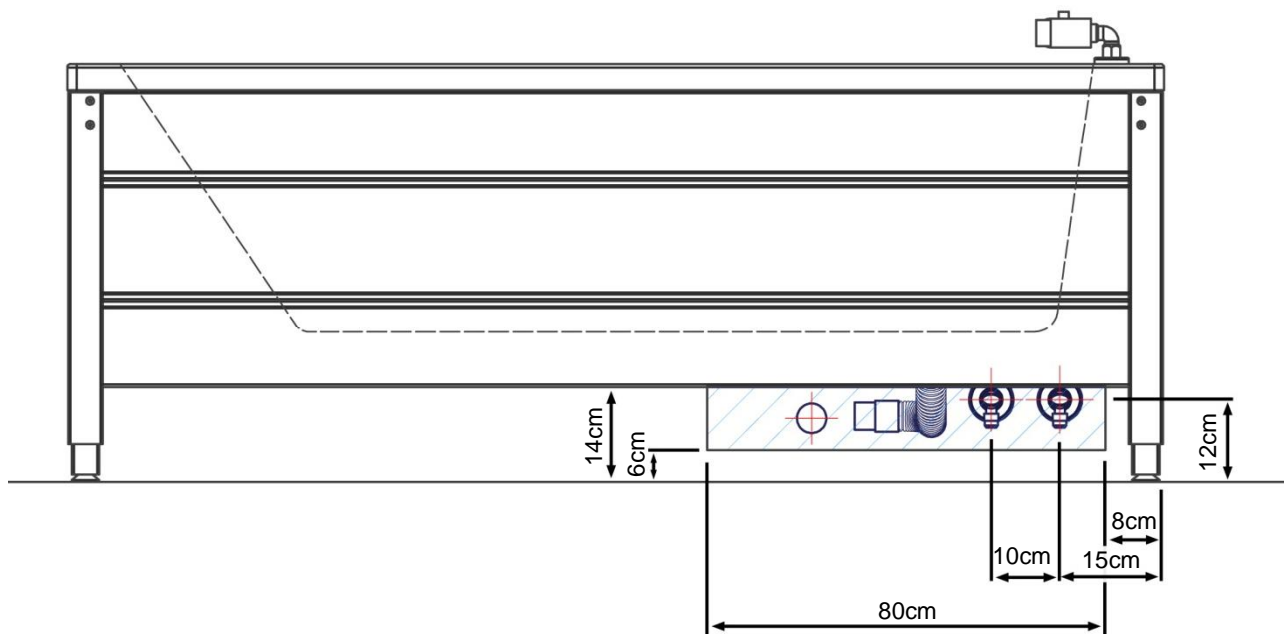


Presale information

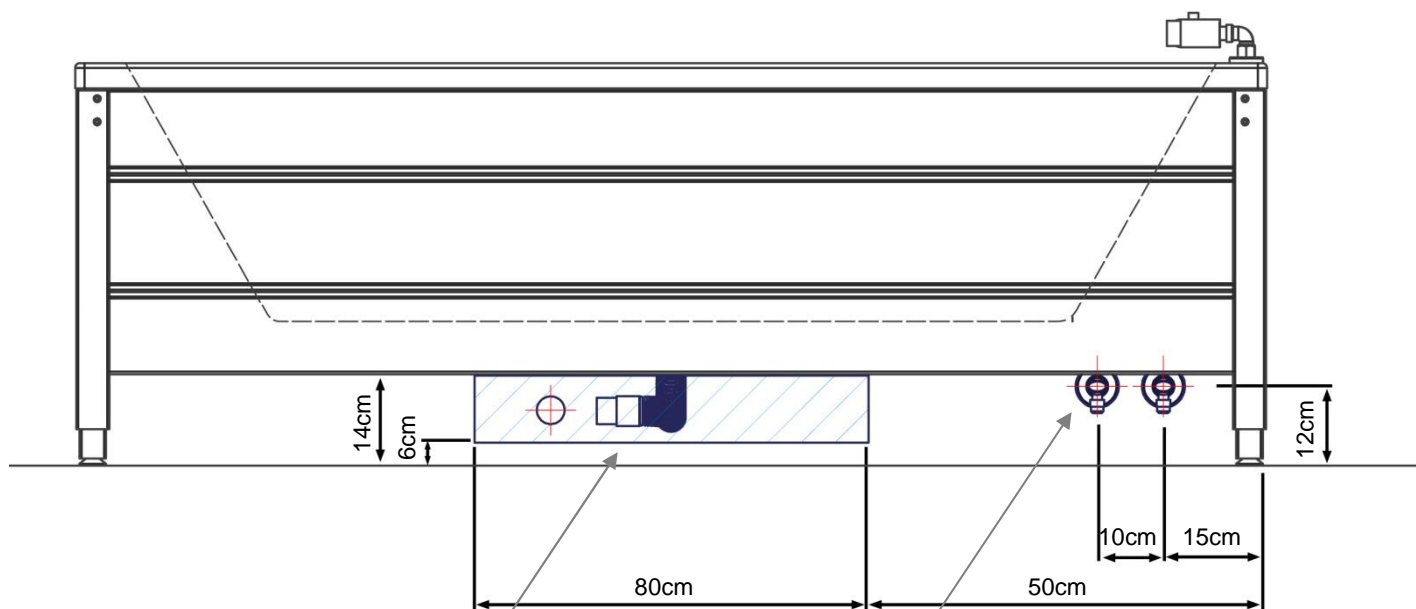
Water

Applies to 160x70 and 170x75 bathtub.

The hatched area is the recommended area for location of drain.



Applies to 180x80 bathtub:



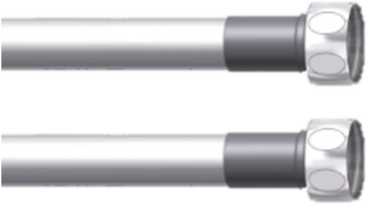





Note:
Flexible drain hose (Ø40).
Length 51-150cm.
Drain in wall finished with an
Ø40x88° bend (not provided)

Note:
Stop valves with 1/2" external
thread (not provided).
Turn downward as shown. Flexible
hoses (100cm) from mixer tap will
reach 14cm outside the frame.



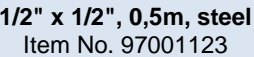

Connection adapters

If the above recommendations cannot be met, the components described below may be ordered independent of type of installation in building.







Water connection adapters

Hoses from bathtub	Adapter	Installation in room (not provided)
 1/2"	No adapter required	 1/2" Thread
	 1/2" -> 3/8" Item No. 97001670	 3/8" Thread
	 1/2" -> 15mm Item No. 97001666	 15mm Pipe


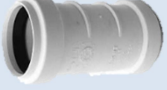


Hose extensions

Hose from bathtub	Coupling piece	Additional hose
	 1/2" -> 1/2" Item No. 97001662	 1/2" x 1/2", 0,5m, steel Item No. 97001123
		 1/2" x 1/2", 1m, plastic Item No. 97001120

Drain adapters

Drain hose from bathtub	Adapter	Installation in room (not provided)
 Ø40	 Ø40 -> Ø32 Item No. 97002104	 Ø32
	No adapter required	 Ø40
	 Ø40 -> Ø50 Item No. 97001664	 Ø50

Drain extensions

Drain hose from bathtub	Samplingsmuffe	Additional drain hose
 Ø40	 Ø40-Ø40 Item No. 97001663	 Ø40 flex hose, 40-110cm Item No. 97001160
		 Ø40 flex hose, 51-150cm V.nr. 97001159

Flexible safety stop strip

As an option, the bathtub may be ordered with a flexible safety stop strip for one or two sides. If the bathtub stands in a corner, a safety stop for one side will be sufficient. If the bathtub is freestanding or provided with castors, we recommend safety stops on two sides.

Item Nos.

Bathtub	160x70cm	170x75cm	180x80cm
Safety stop for one side	40-14206	40-14207	40-14208
Safety stop for two sides	40-14216	40-14217	40-14218

Safety stop strip for one side:



Safety stop strip for two sides:



Accessories

Shower bed, folding up

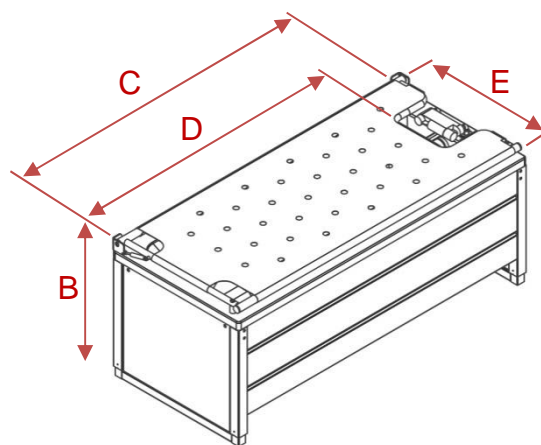
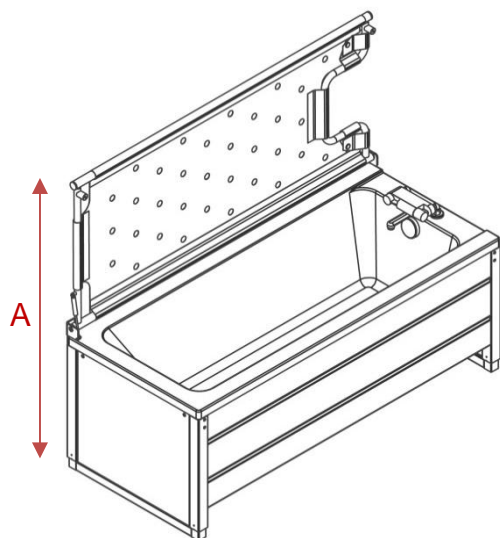
The shower bed is available as an option and may be mounted on existing bathtubs. It may fitted on the right-hand or left-hand side of the bathtub. "Right-hand" means that the mixer tap is located to the right when viewed from the front of the bathtub. Available sizes appear from the table below.

Item Nos.

Bathtub	160x70cm	170x75cm	180x80cm
Shower bed	40-14226 (right) 40-14236 (left)	40-14227 (right) 40-14237 (left)	40-14228 (right) 40-14238 (left)
Length/width	155x68cm	165x73cm	175x78cm

Please note that the shower bed will result in an increase of the height by 5.5 cm

Dimension sketches



	A	B	C	D	E
160x70cm	131–161cm	66-96cm	152cm	131cm	65cm
170x75cm	136-166cm	66-96cm	162cm	141cm	70cm
180x80cm	141-171cm	66-96cm	172cm	151cm	75cm

Accessories

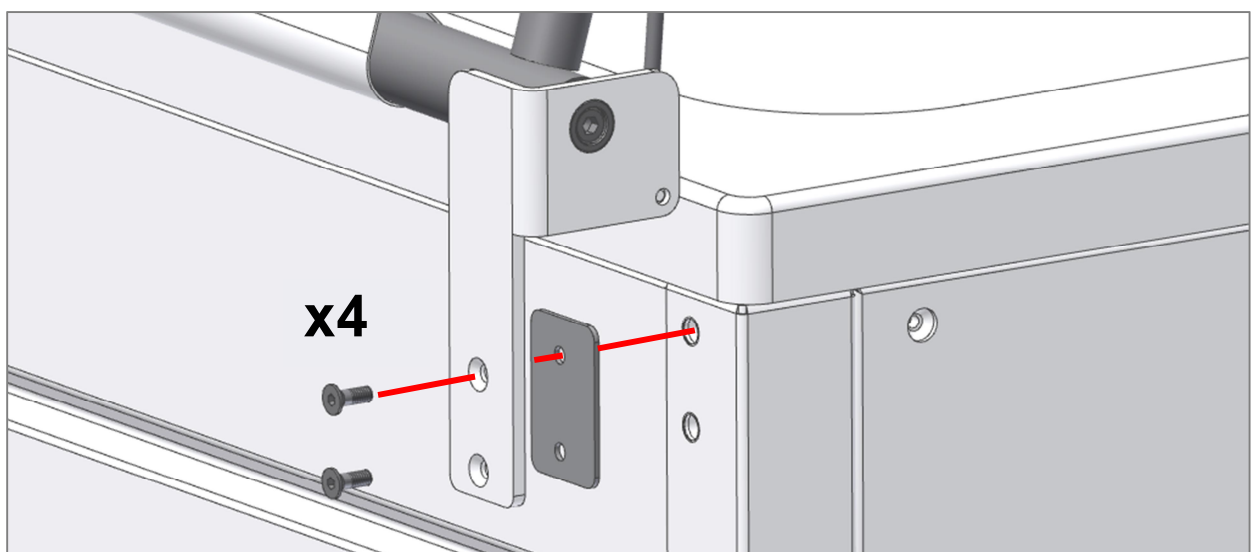
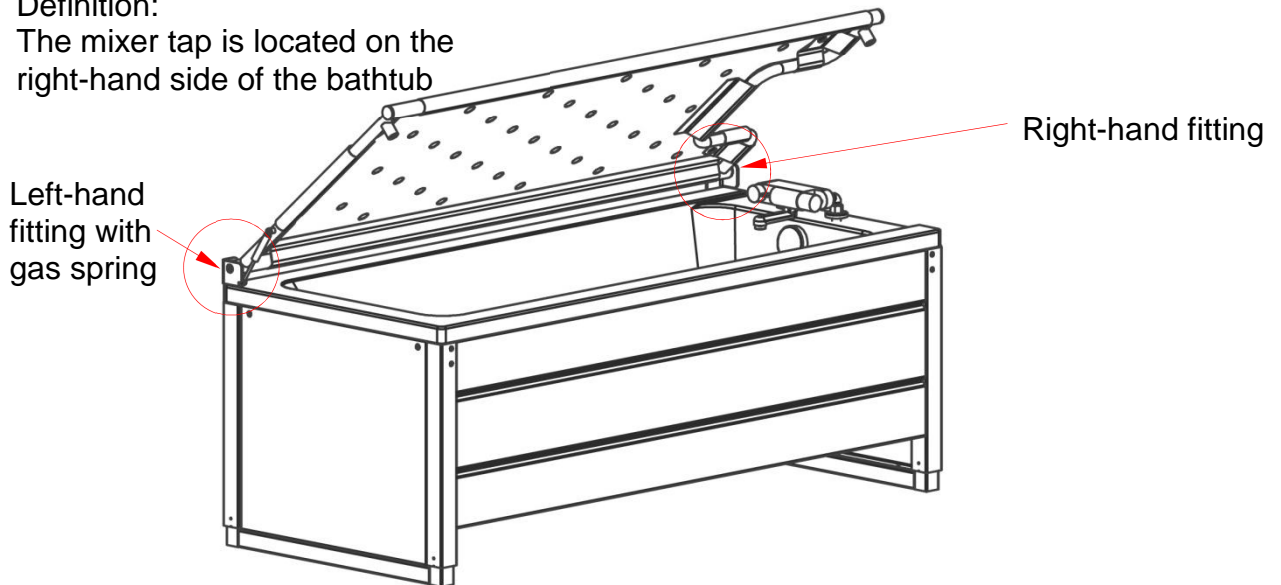
Mounting of shower bed

If the shower bed is ordered together with the bathtub, it will be “right-hand”. If mounting on the left-hand side is required, it must appear from the order.

Right-hand (standard)

Definition:

The mixer tap is located on the right-hand side of the bathtub



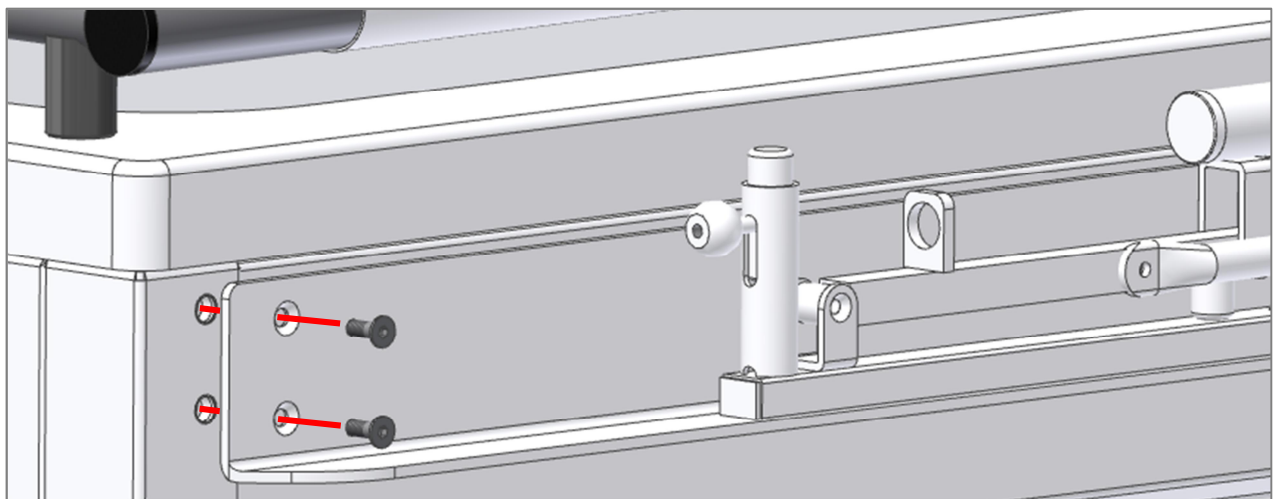
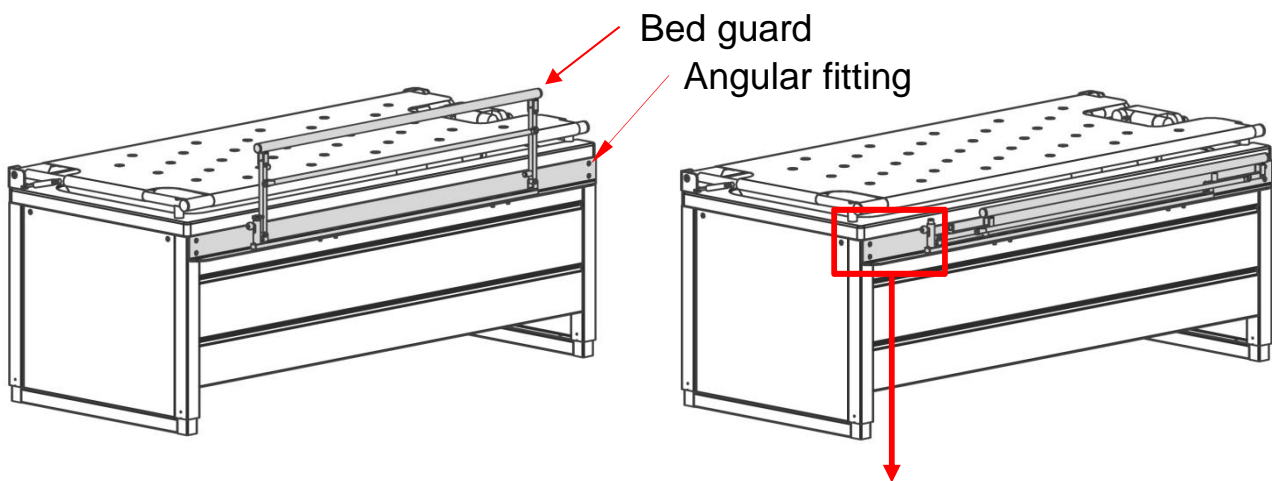
Accessories

Folding bed guard

A folding bed guard is available as an option. It is mounted on the side of the bathtub by means of an angular fitting.

Note that the bed guard is identical for all bathtubs and that the angular fitting has different lengths to suit the specific bathtub.

Bathtub	160x70cm	170x75cm	180x80cm
Bed guard (110cm)	40-14186	40-14187	40-14188



Note

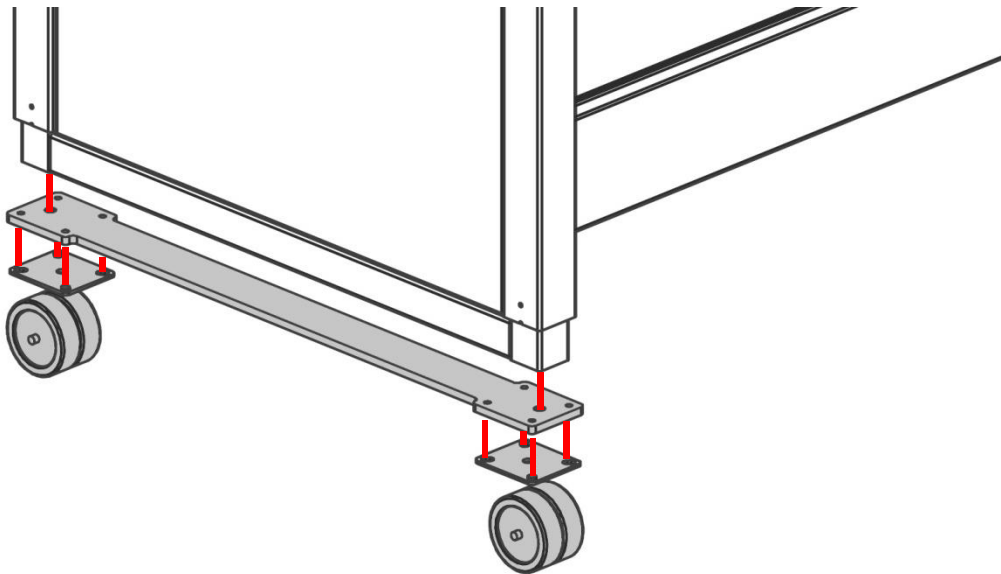
As the bed guard may be folded down, there may be entrapment zones that cannot be covered. Therefore, ALWAYS ensure that there is no risk of entrapment when folding the bed guard up or down.

Accessories

Castors

As an option, the bathtub is available with a set of castors, whereby the mobility and flexibility will be increased.

Bathtub	160x70cm	170x75cm	180x80cm
Set of castors	40-14111	40-14112	40-14113

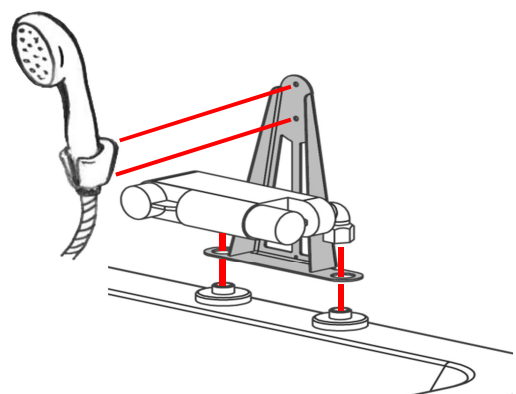


Please note that the castors will result in an increase of the height by 9cm

Showerhead holder

As an option, a showerhead holder is available for mounting on the wall fitting of the showerhead.

Bathtub	160x70cm	170x75cm	180x80cm
Holder	40-14120		



Presale information - Cleaning

Do not use a high-pressure washer to clean the bathtub. The bathtub is not machine washable.

Simply use a soft cloth with soapy water of max. 60°C. Always wash the bathtub after use to prevent dirt from sticking to the surface.

Important!

Do not use scouring powder or other abrasives, as they will scratch the surfaces of the frame and cover plates. Also, avoid the use of cleaning utensils with sharp edges. Never use strong acids or alkaline products.

Plastic tub

Clean the surface with a soft cloth and soapy water. Do not use abrasive cleaning agents. Resistant spots may be removed with hot water and a mild soap.

Spots of glue may be removed with vinegar and water. Wash with water.

Always clean the bathtub after use to prevent dirt from sticking to the surface.

Important!

The bathtub may be used for washing clothes with a normal detergent. Do not use the bathtub for soaking over a longer period as some detergents may contain aggressive substances.

Damage and scratches in the surface may easily be repaired. Fill scratches with fluid acrylic, let it dry and polish by means of a Duravit repair kit for bathtubs.

Contact Ropox A/S or Duravit A/S for further information.

Mixer tap, shower hose and hand shower:

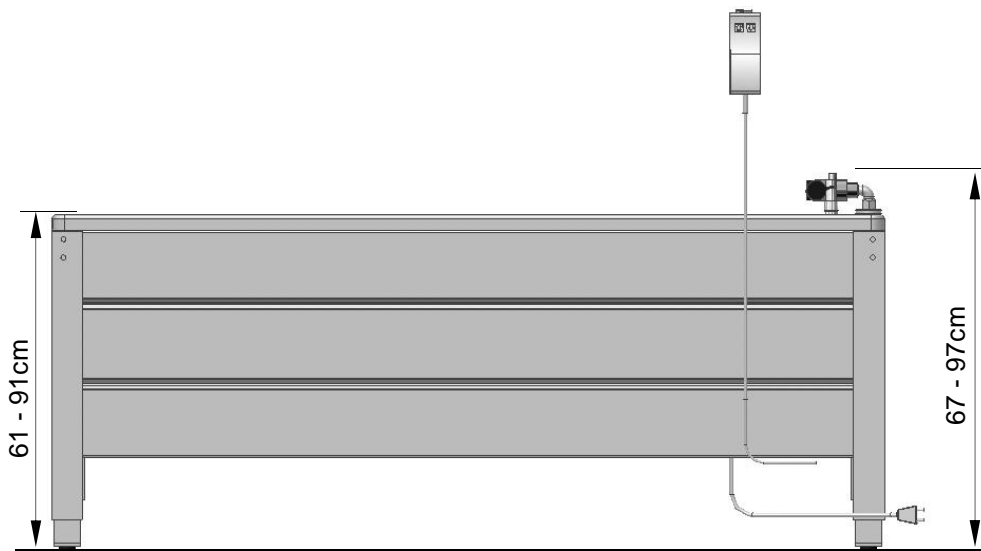
Clean at regular intervals with a soft cloth with water and a customary cleaning agent. Decalcify the mixer tap and filter with vinegar and wash with water. Do not use strong cleaning agents for chrome surfaces.

User information

The height of the bathtub is adjustable between 61 and 91cm to ensure optimum and correct working height for the care personnel. The carer is the intended operator of the bathtub.

The height of the bathtub is adjusted by pressing the UP ▲ and DOWN ▼ buttons of the handheld control switch. The control switch has a spiral cord with an extended length of approx. 200cm.

Max. load incl. water: 350 kg. Max. recommended user weight: 250 kg



It is recommended to adjust the bathtub to bottom position after use.

Note that there is a risk of getting trapped when the bathtub is adjusted upward. The mixer tap is 6cm higher than the bathtub. Owing to the safety stop strips there is no entrapment risk when the bathtub is adjusted downward.

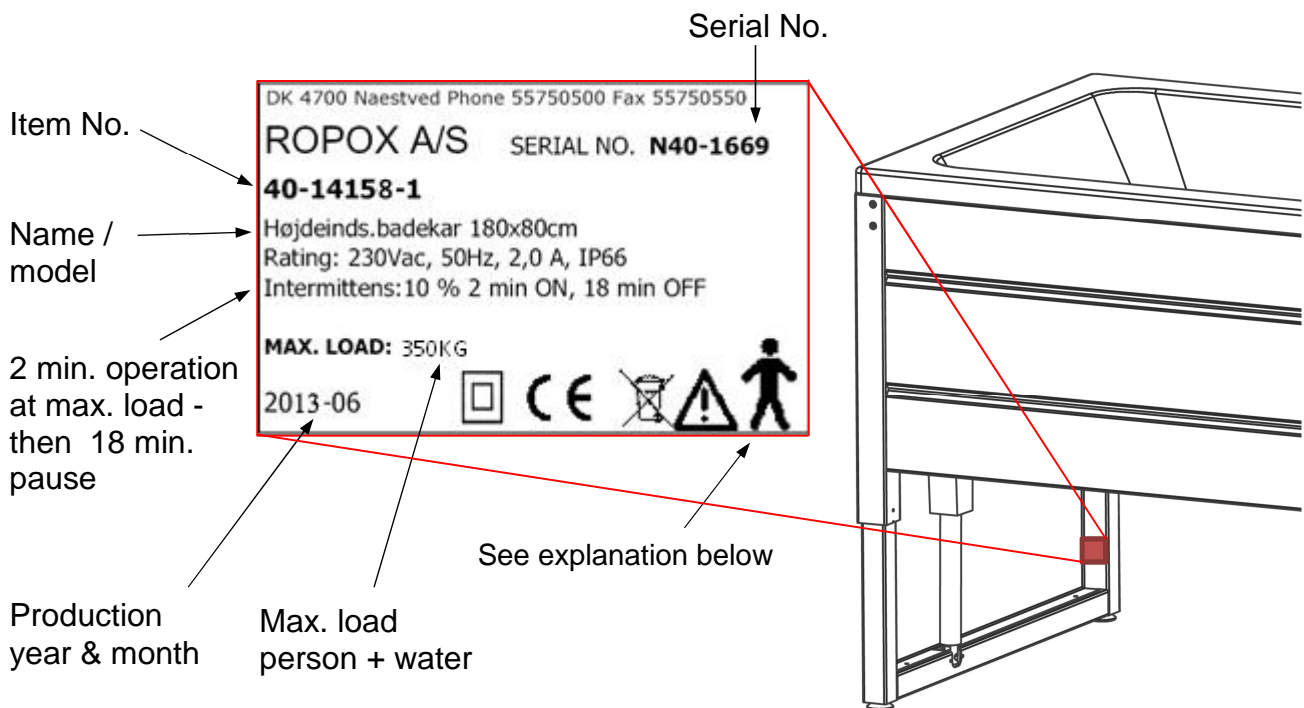
If the handheld control switch is damaged or does not work, it should be replaced immediately. The buttons are "press and keep depressed".

The movement of the bathtub stops as soon as you let go of the button. This is an important safety factor.

User information

Label

Each bathtub has a label of its own as illustrated. This label contains important information to be stated in connection with inquiries to the supplier. It also contains information about the power supply. The label will be found on the inside of one of the legs.



Symbols



The user manual **MUST** be read prior to mounting and use.



Waste must be sorted – if possible for recycling.



Type B equipment according to EN 60601-1.



Class 2 equipment. No earth connection. Control unit double insulated.



CE marking. This product meets the requirements for "General Safety and Functionality" of the current EU Directives and Standards.



EMC information

The electrical components of the bathtub meet the requirements for Electromagnetic Compatibility (EMC), if mounting and daily use are in accordance with the instructions of this manual. In seldom cases, the bathtub may be affected by electronic signals from laptops, mobile phones or the like.

Mounting instructions

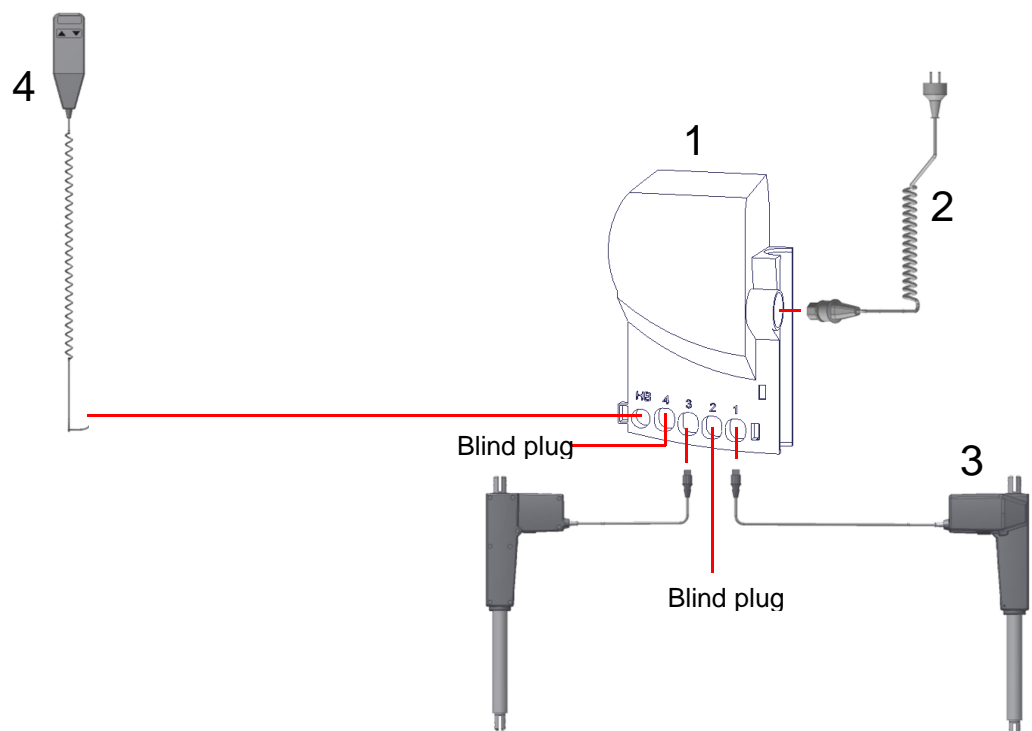
1. The bathtub is delivered as an assembled unit.
2. Place the bathtub and adjust the four setscrews of the feet to make sure that the bathtub is horizontal.
3. Connect water supply and drain hoses, see presale information for further details concerning installation interfaces.
4. Connect mains cable to 230V, 50Hz.

Electrical components

Wiring diagrams

The bathtub will be delivered assembled with all electrical components and cables. All you have to do is to insert the mains cable into the socket and to tape the safety stop strip under the side covers (available for one or two sides). The diagram shows connection of the cables with the control unit located behind the side covers.

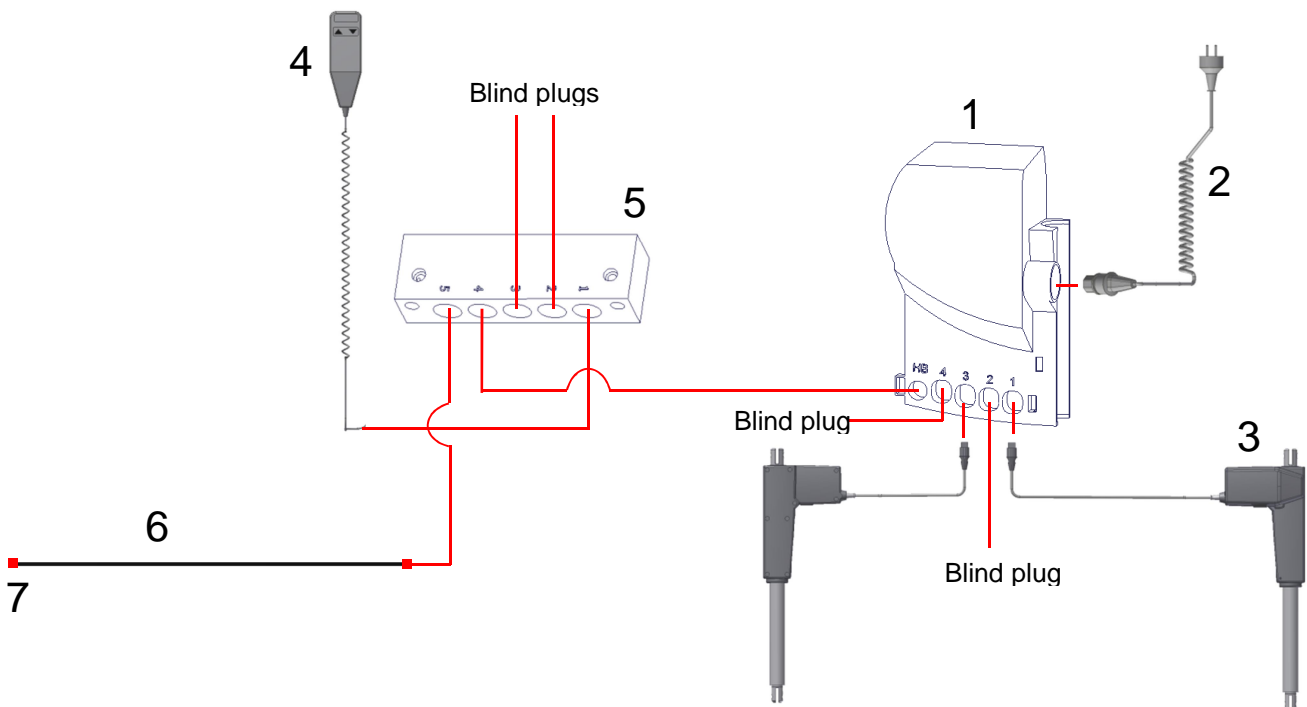
Diagram for bathtub without safety stop strip



1. Control unit
2. 230V cable
3. Motor, connected to ports 1 & 3
4. Handheld control switch

Electrical components

Diagram for bathtub with flexible safety stop strip



1. Control unit
2. 230V mains cable
3. Motor, connected to ports 1 & 3
4. Handheld control switch
5. MJB box
6. Safety stop strip
7. End resistance

All plug-in connections are waterproof and mounting/dismounting may therefore be a little difficult. Make sure that all plugs have the correct position before inserting them into the control unit. The plugs must be pressed home until the black O-ring is no longer visible.

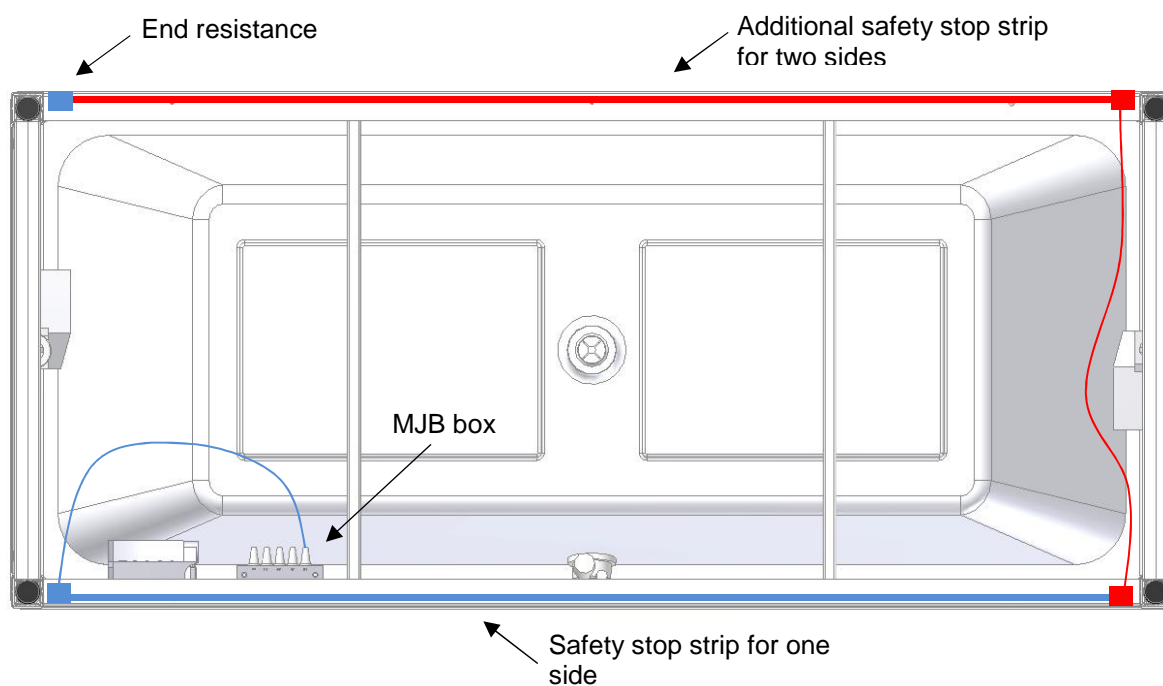
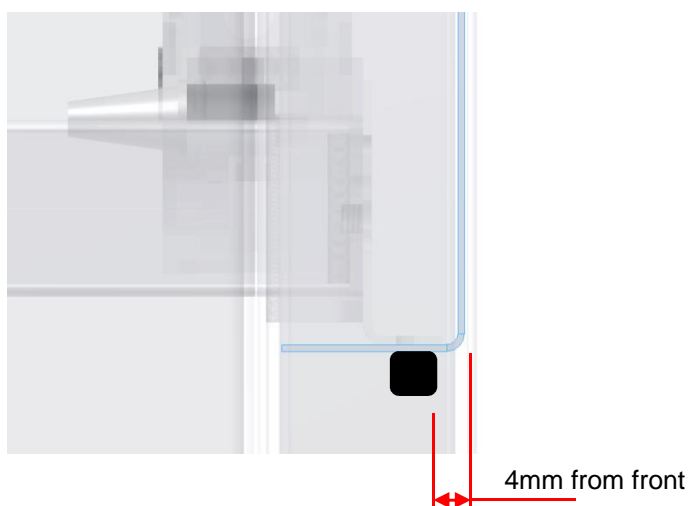
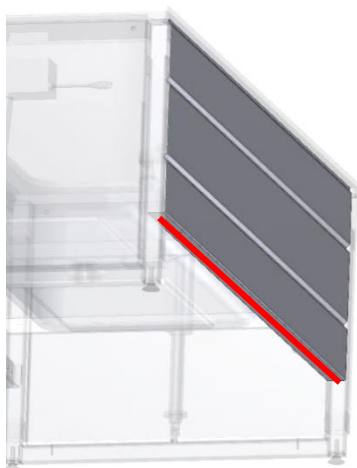
Motor, control unit and handheld control switch have protection IP66. This means that they are dust and waterproof.

The electrical system is designed for periodical use, i.e. a max. duty cycle of 10%.: 2 min. continuous operation followed by 18 min. pause.

Electrical components

Location of flexible safety stop strip

To ensure optimum safety, the safety stop strip should be located on the underside of the side cover as illustrated.



Electrical components

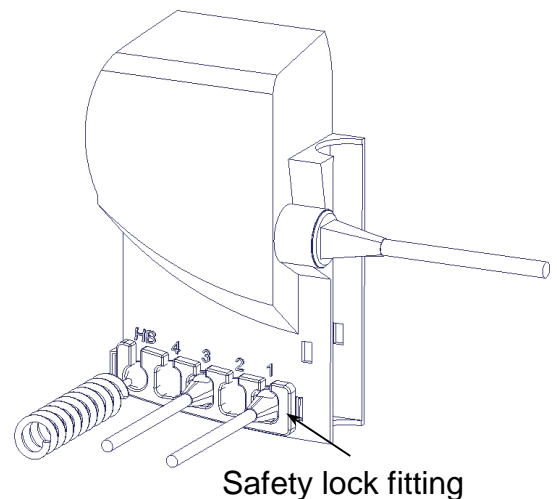
Connections

Motor cables are connected to ports 1 & 3. Ports 2 & 4 are not used and have therefore been provided with blind plugs.

If the bathtub has no safety stop strip and MJB box, the hand control is connected direct to port "HB".

A safety lock fitting must be used after mounting of all cables. Push this fitting over the plugs until a "click" is heard".

The 230V cable is connected to the port on the side of the control unit.



Dismounting

Just pull out the 230V cable.

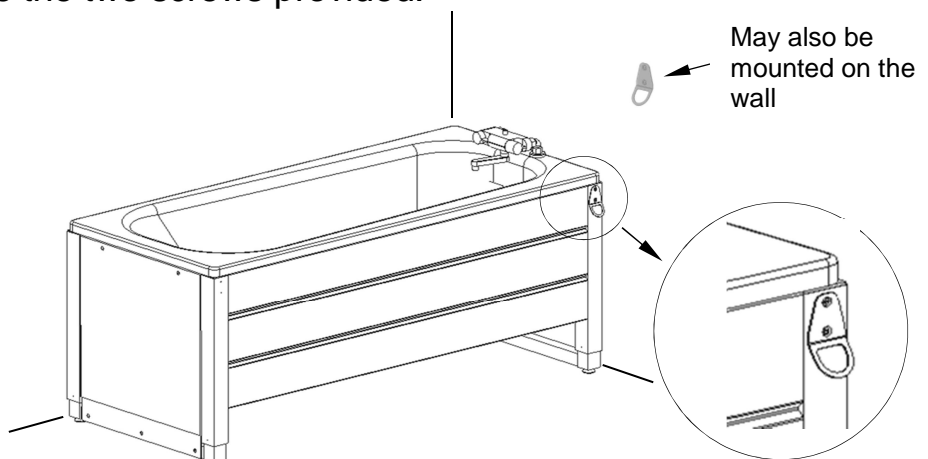
Before dismounting the remaining cables from the control unit, the safety lock fitting must be removed. Release the locking clips at either end of the fitting and pull it out. Now the cables may be dismounted.

In order to maintain the full IP66 protection it is very important that all cable connections are correct.

Location of the handheld control switch

The bracket for the handheld control switch may be placed on the corner of the bathtub as illustrated. Use the two screws provided.

!!! The bracket on the bathtub should only be used when the bathtub is under supervision, as the control switch must be kept out of reach of children. The bracket may also be mounted on the wall.



Safety instructions

- The bathtub should only be used by persons who have read and understood these instructions.
- We recommend a safety stop strip on one or two sides in order to prevent damage and accidents. Even if safety stops have been mounted it is important to ensure that there are no persons, animals or objects under the bathtub during height adjustment.
- Always use the bathtub in a manner excluding the risk of damage to persons or property. The person operating the bathtub is responsible for avoiding damage or injury.
- If the bathtub is used in publicly accessible locations where children or persons with reduced observation capability may get near it, the person operating the bathtub must pay attention to those present in order to prevent dangerous situations.
- Make sure that there is free space above and below the bathtub to allow height adjustment.
- Do not overload the bathtub.
- Do not operate the bathtub in case of defects or damage.
- Do not use the bathtub in an explosive environment.
- Modifications, which may influence the operation or construction of the bathtub, are not allowed.
- Installation, service and repairs should be carried out by competent personnel.
- During inspections, service or repairs load should be removed from the bathtub.
- After 2 min. continuous operation, there must be an 18 min. pause.

Service information – Fault finding

Problem	Remedy
The bathtub does not move up or down when the hand-control switch is pressed	Check whether <ul style="list-style-type: none"> - 230V has been connected and current is available, - the motor has been connected with the control unit, - the control switch has been connected with the MJB box and the control unit, - the motors are overloaded (note: 2 min. ON, 18 min OFF).
Control switch defective	Check whether <ul style="list-style-type: none"> - the bathtub works with another control switch
When pressing the UP and DOWN buttons you only hear "clicks" from the control unit, the bathtub does not move	The plugs may not have been inserted correctly. Dismount all cables from the control unit and insert them again. Resetting may be required.
The bathtub is not horizontal / level	Reset

Resetting:

Press and hold the UP (▲) and DOWN (▼) buttons. Keep the buttons depressed until the control unit has beeped approx. ten times. After that, the bathtub may be adjusted to the bottom position for resetting.

Waste handling



Used equipment must be disposed of according to national law. We recommend dismantling of the product to the greatest possible extent so that most parts may be recycled. Note that this product contains electrical components. Examples of sorting groups: Metal, plastic, cables, electronic parts and parts for destruction.

Working area



Temperature: 5°C to 45°C

Relative humidity: 5% to 85% non-condensing

Factors affecting the product during storage and transport



Service information - Maintenance

After one month:

Check: Mounting of mixer tap

Flexible hose connections – water supply and drain

Once a year (at least):

Adjust the bathtub to top position and check that

1. all bolts on the top and bottom of the actuator are securely tightened,
2. all connections (water supply and drain) are in order and undamaged,
3. mixer tap, shower hose and shower head are in order and undamaged,
4. the frame and cover plates are undamaged.
5. Press the DOWN button, adjust the bathtub to bottom position and check that the movement is smooth and even. See that the hose connections follow the movement of the bathtub without getting jammed.
6. Now press the UP button, adjust the bathtub to top position, and check that the movement is smooth and even. See that the hose connections follow the movement of the bathtub without getting jammed.
7. Press the DOWN button, let the bathtub move 2-5 cm downward, and activate the safety stops with a light pressure. The bathtub should now stop the downward movement, move 1-2 cm upward and stop.

Resetting:

Press and hold the UP (▲) and DOWN (▼) buttons. Keep the buttons depressed until the control unit has beeped approx. 10 times. Now adjust the bathtub to bottom position for resetting.



EU – Declaration of Conformity

I, the undersigned, hereby declare that the following main products

40-14156	Ropox Bathtub	length x width	160 x 70 cm
40-14157	Ropox Bathtub	length x width	170 x 75 cm
40-14158	Ropox Bathtub	length x width	180 x 80 cm

and all accessories belong to risk class I and conform to the following Directives and Standards:


DIRECTIVES

- Medical Devices Directive No. 93/42/EEC, amended by Directive No. 98/79/EC
- Low Voltage Directive No. 73/23/EEC, amended by Directive No. 93/68/EEC
- EMC-Directive No. 89/336/EEC, amended by Directives Nos. 92/31/EEC and 93/68/EEC

STANDARDS

DS/EN 1041: 2009	Information supplied by the manufacturer of medical devices.
DS/EN 12182: 2012:	Assistive devices for persons with functional disabilities - General requirements and test methods.
DS/EN 14971: 2006:	Medical devices – The use of risk management in connection with medical devices.
DS/EN 60204-1:	Safety on machinery – Electrical equipment of machines - Part 1: General requirements.
DS/EN 60601-1:	Medical electrical equipment - Part 1: General requirements for basic safety and essential performance. <u>(Applying to the electrical components of the product)</u>
DS/EN 9999: 2011:	Assistive devices for persons with functional disabilities - Classification and terminology.

Date: 01-09-2014



Tommy Jensen
Adm. direktør

Complaints

See General Terms of Sale and Delivery on www.ropox.dk



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