



EZ Way, Inc.

“Your Total Patient Lift Solution”

EZ Way Comfortline II The Wellness Bath

Operator’s Instructions



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Form 2-201
Rev. 7/30/18

⚠WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

Users should read this manual carefully before operating the EZ Comfortline II. This bathing system is intended for professional use only where the patient will be under the supervision of trained personnel. The system is designed for years of trouble-free operation, with proper use and maintenance.

Operating instructions and recommended maintenance procedures are explained in the following pages.

If you have any questions regarding the operation or maintenance of your bathing system and cannot find the answer in this manual, please contact EZ Way at 1-800-627-8940.

Bathtub and shower water must be run at least every three days.

The height-adjustable EZ Comfortline II is designed for bathrooms in nursing homes, clinics and hospitals and consists of:

1. The tub, side covers and maintenance hatch made of fiberglass reinforced polyester cover the whole supporting frame and the actuators, control unit and all internal sanitary installations. The ½ inch cold and hot water inlet hoses are located in the back. The maintenance hatch at the back can be removed for repair and maintenance work.
2. The HiLo bathtub can be adjusted between 650 and 1000 mm / 26" and 40" .
3. The three-step adjustable foot support is pushed into the slots to accommodate the different lengths of patients, to prevent them from sliding, and to provide secure support for their feet. The foot support can be removed, for example, when using a stretcher.
4. Two built-in handles offer additional support when getting in and out of the tub.
5. Overflow protection and pop-up drain which opens and closes the drainage system by rotating the overflow valve.
6. The thermostatic mixer is designed to regulate the water temperature to the bathtub filling spout and to the hand-held shower. See separate thermostatic mixer operation manual for further information.
7. The shower handle with shower hose is to be used to shower the patient and to rinse equipment after cleaning.
8. Two synchronized actuators with double controls for height adjustment to infinite positions.
9. Two legs including adjustable feet in the event the floor is uneven.
10. The hand control with spiral cord is located on the hatch bracket and is used to raise and lower the tub.

Safety Notes

This HiLo bathtub may only be operated by qualified and trained staff.

Please make sure that all safety and operating instructions are read and understood and that they are adhered to when using the bath.

The bathtub may only be installed and connected according to our assembly and installation instructions by specialists such as a certified electrical installation company. Local guidelines and regulations as well as installation rules for water and power connections must be adhered to.

The cold and hot water supply and the electrical wiring is the buyer's responsibility. Electrical wiring must be carried out on-site by a qualified electrician.

The bathtub may only be connected to the power supply via a cord that is connected to a **GFCI (ground fault circuit interrupter)** including an easily accessible switch near the bathtub.

Maintenance work must be carried out by trained staff. Repairs can only be carried out after consulting the supplier. Repairs shall only be carried out by qualified personnel using original spare parts.

Prior to using the bathtub, please make sure that there are no visible damages/defects such as:

- Cracks in the tub body/side covers
- Damages to the mains cord
- Ensure that the bathtub is lowered/raised evenly
- The handles are fastened
- It stands stable
- There are no defects and the thermostat and buttons are all working properly

The warranty and liability expire automatically if modifications or repairs are carried out or if components are exchanged or opened without EZ Way's consent.

If you have a question regarding the operation or maintenance of your EZ Comfortline II and cannot find the answer in this manual, please contact us at 1-800-627-8940.

- When using the EZ Mobile Bathing Lift System, the patient must be seated comfortably on chair and/or stretcher, with SAFETY BELTS SECURELY ATTACHED. Safety belts must be maintained in good condition.
- Raise Stretcher/Chair to ensure clearance of all body parts over the tub. This to avoid the patient from being pinched between the tub rim and the Chair/Stretcher frame during transfer.
- Before raising or lowering the tub, make sure that the patient's hands firmly grasp the stabilizing bar or that the patient's arms are crossed over his/her body. This to avoid pinched arms or fingers between the Stretcher/Chair frame and the tub rim.
- Wipe beneath Stretcher/Chair to prevent water from dripping on the floor.
- Always physically check water temperature before and during bathing/ showering to ensure that the thermoscopic mixer is functioning.
- Make sure that all parts that come in contact with the patient are intact and without sharp edges.
- Check that hoses, tub controls, connections and mixer are free from damage.

⚠ WARNING:

Always disconnect electric power before attempting any service or repair.

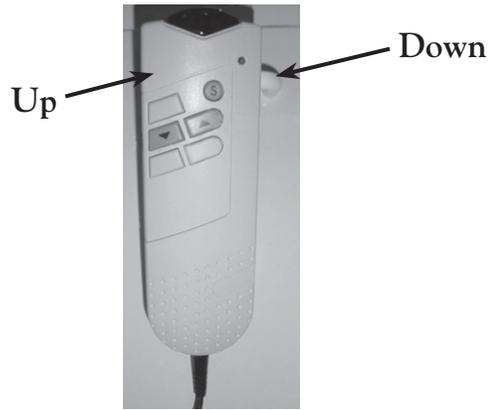
⚠ WARNING:

Never leave a patient unattended.

Features and Controls

Comfortline II

Position	Description
1.	Tub side covers
2.	Tub
3.	Legs
4.	Adjustable feet
5.	Lifting mechanism (actuators)
6.	Light/Music controls
7.	Handles
8.	Foot support slots
9.	Drain plug
10.	Thermostat with bathtub filling spout and shower
11.	Shower handle
12.	Hand control UP/DOWN
13.	Overflow drainage and control to open and close drain plug (#8)
14.	Drainage hose



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Figure 1 - Manual Up/Down Control



Figure 2 - Features and Controls Diagram

Initialization

An initialization should be carried out the very first time the bathtub is started up and after every power failure.

Should be performed after/when:

- First time start-up
- Power failure (power cut, disconnection from supply or shutdown)

Reason:

The initialization function (continuous movement monitoring) is designed with safety and the protection of the equipment/user in mind. The control switches off automatically if one of the actuators is working faster than the other one.

Process (Using Hand Control with Black Buttons):

Please press the DOWN key on the hand control to initialize the control mechanism. When you reach the lowest position, keep the DOWN button pressed for another 5 seconds. An audible tone will sound and the system is ready to be used.

Please do not hesitate do contact us if you have any further queries.

Instruction Manual

Using the Bath

Lower the bath to its lowest position to calibrate the actuators.

The drain plug closes (and opens) by turning the overflow valve.

Adjust the thermostat to the required temperature (see separate thermostatic mixer operating manual). Open the thermostat and **test the water temperature by hand or with a bath thermometer**. Fill the bath to the required level and close the thermostat.

Always check the water temperature by hand or a bath thermometer before the patient gets into the bath.

Lower the tub to the lowest position with the hand control allowing patient to step into the bath with assistance. **Place the hand control back into its bracket at the back of the tub after use.** The built-in handles provide the patient with extra support.

When the patient is assisted into the bath with a lift system, the lifter must be positioned close to the side of the bathtub. The bathtub should be in a convenient working height and be adjusted by pressing the relevant button on the hand control. **Place the hand control back into its bracket at the back of the tub after use.**

Please make sure that the bathtub is lowered and raised evenly, both at the head and foot end of the tub. The tub must be level at all times. The patient must not use the bath if it is not level.

The foot support shall be removed before the lift stretcher is lowered into the water. It can be placed into the required position when a chair lift is used.

The shower handle is used to shower the patient and to rinse equipment after cleaning. Pull the diverter knob on the thermostat. This diverts the water from the bath filling spout to the shower handle. **Always test the water temperature by hand to prevent patients from being scalded or shocked by cold/hot water.**

After bathing, please proceed in reverse order.

Bathtub Cleaning

Important: Never to be used on patients. Only on equipment.

The cleaning detergent is mixed with cold water to minimize inhalation.

Detergent is automatically mixed with the water, in a pre-set concentration of approximately 2%.

Use only **liquid, non-abrasive, non-scouring**, commercially available detergents to clean the bathtub, the controls and the foot support. Apply the detergent according to the detergent supplier's instructions.

Fittings

Plated, as well as color-coated surfaces, can be damaged by acidic and abrasive detergent and scouring pads. We recommend using clear water and a soft cloth. If the fittings are heavily soiled, clean with soapy water or vinegar and rinse with clear water and rub dry.

Please note: The user/operator is responsible for selecting the detergents and bath additives. Please read the detergent supplier's instruction manual and find out whether the product is suitable.

Fill the Container

Remove the container lid (1) and pour the detergent into the opening using a funnel (**MAXIMUM 1.5 LITERS / 1/3 GALLON**). Replace the lid after the container has been filled. The detergent device is now ready for use.

Cleaning

You may use your usual detergent to clean the bathtub. **Please make sure you have read the detergent supplier's instructions.**

Daily Use of the Cleaning System

1. Remove the cleaning spray handle (2) from bracket (3). Hold the handle over the bathtub while opening the shutoff safety valve (4) with the special key.
2. Briefly spray the cleaning mixture into the tub while checking the color, smell and the foam of the mixture. Spray over all interior surfaces of the tub. Remove residue and debris with cloth or brush.
3. To clean EZ Way's Mobile Bath Lift System Chair or Stretcher attachment, position it over the tub and spray it with cleaning mixture. The

chair and stretcher have removable pads and the stretcher has a head pillow which can be placed in the tub for cleaning.

4. After cleaning, rinse with fresh water using the shower handle.

Please note: It will take a little longer for the detergent to be dispersed if it is the first time the bathtub is started up or if the container has just been filled.

CAUTION: ALWAYS READ AND APPLY THE DETERGENT SUPPLIER'S SAFETY INSTRUCTIONS.

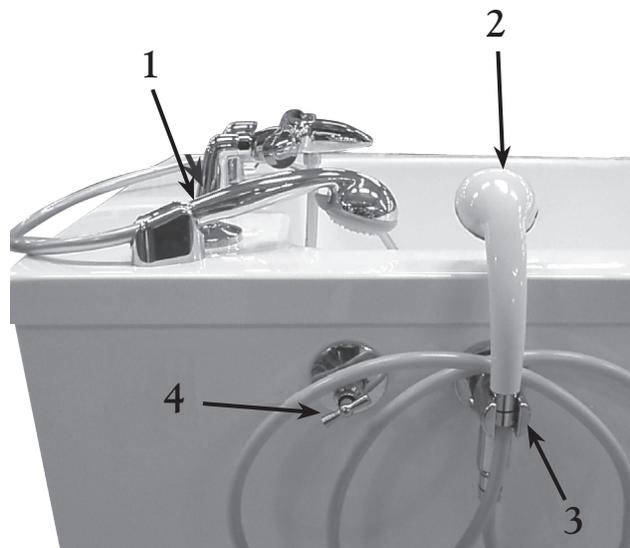


Figure 3 - Cleaning System

AIR SPA System - Esprit 500 (Option)

NOTE: The operating time is restricted for safety reasons. The system (air system) switches off automatically after 30 minutes.

Stand-By LED

The light emitting diode (0.1) is always illuminated when the man switch is activated.

AIR SPA System

Use button 1 "ON/OFF" to turn the SYSTEM ON (LED 1.1 is illuminated) and OFF. The AIR SPA system starts at a medium performance level.

The level can be set as follows:

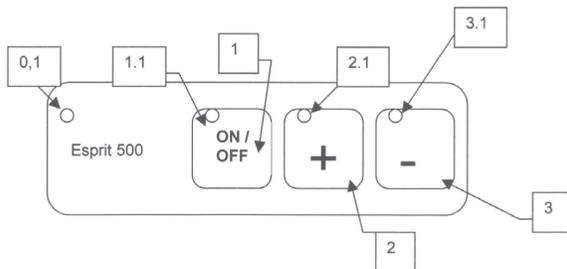


Figure 4 - Esprit 500 Controls

- Pressing button 2 "+" (plus) increases intensity, LED 2.1 is illuminated.
- Pressing button 3 "-" (minus) reduces intensity, LED 3.1 is illuminated.
- Pressing 2 "+" and 3 "-" (plus+minus) at the same time starts an interval functions. The whirlpool is set from maximum to minimum every 20 seconds. Pressing those buttons again turns the interval function off again.

An afterblow system deflation starts automatically after:

- 30 minutes of continual use of the system
- 20 minutes when the system has been turned off within the 30 minute period

The afterblow lasts approximately 30 seconds, starts at minimum capacity and is then turned up to maximum. The LED 1.1 is flashing during waiting time.

LED Color Light System (Option)

Use

The light system touch control is located either at the head end (on the side of the tub covers) or at the foot end (on the edge of the tub, depending on bathtub model).

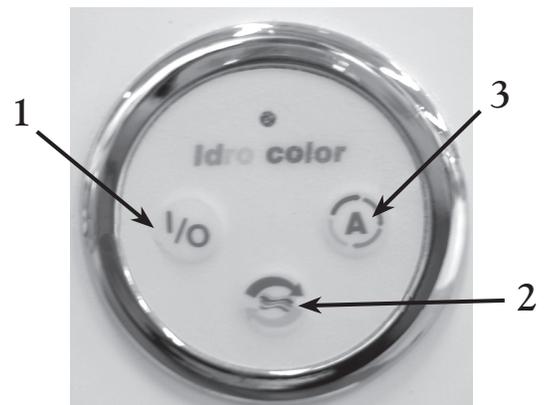


Figure 5 - LED Controls

1. The light system is turned ON and OFF by pressing the power switch button (1). Diode signals that the system is in operation.
2. The light-system option allows the user to choose a particular color, which will illuminate the water via built-in floodlight until the system is turned off again. An individual color can be selected by pressing button (2).
3. The interval mode of the light system enables the user to activate the colors of the system in automatic intervals. All the colors of the light system are displayed individually. The interval mode is activated by pressing button (3).

MP3-Sound-System (Option)

Use

The sound system touch control is located either at the head end (on the side of the tub covers) or at the foot end (on the edge of the tub, depending on bathtub model).

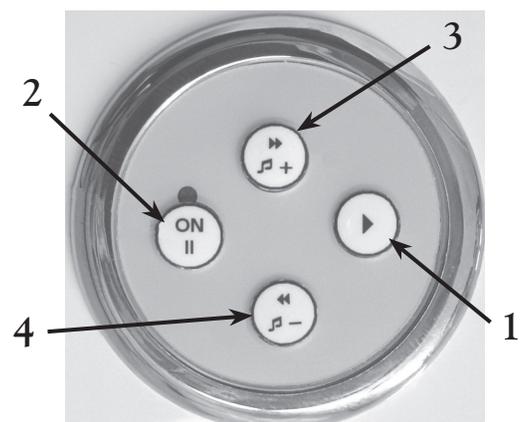


Figure 6 - MP3 Operating Controls

Operating Instructions

- To start the music, press button (1). Press button (2) if you want to turn the music off.
- The volume can be turned up and down with the buttons (3) and (4). Press and hold button (3) for a few seconds to increase the volume and button (4) to decrease it.
- Switch between tracks by briefly pressing button (3 - next track) and (4 - previous track).

General Information

The control box for the MP3 sound system is attached at the bottom of the tub. MMC-, as well as SD memory cards up to 1 GB can be used. (Please adhere to the general copyright regulations of the music played).

NOTE: - ALWAYS SWITCH OFF THE MAINS BEFORE CHANGING THE SD CARD.

To change/remove the SD memory card, move the bathtub into its highest position for better access to the control box. The memory card can be pulled from the card slot (1) after the control box lid has been removed. Now you can save the music you would like to listen to onto the memory card (observe copyright).



Figure 7 - MP3 Memory Card

The memory card supplied contains a control file CONFIG.TXT. This file must not be deleted because it is necessary for the MP3 player to function properly.

The music saved on the card must be in MP3 format and must not be saved in sub-folders/directories because the player will not recognize them and will therefore not play them. After saving the music onto the memory card, place it back into the card slot (1) and put the lid to the control box back on. The MP3 sound system is ready for use after the bathtub mains has been switched on again.

Autofill (Option)

The Autofill allows staff to transfer and prepare the

patient for bathing while the tub is pre-filled.

General Information

The touch control for the Autofill is located on rear rim.

Operation/Handling

- (1) Bath filling
- (2) Handshower

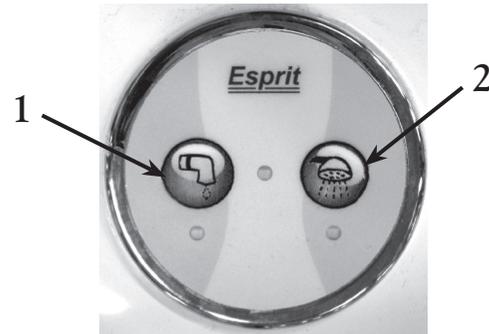


Figure 8 - Autofill Controls

Bath filling:

- Press the bath filling symbol (1) and set the thermostat to required temperature. Test the water temperature with your hand or with a bath thermometer.
- The solenoid valves open and the tub will be pre-filled with water up to the lower level sensor. In the meantime, the patient can be transferred to the bath. The bath is now ready for the patient to be positioned in the tub. When the patient wants or requires more bathing water, press the bath filling symbol (1) once more. The filling will stop when the water level reaches the second level sensor (just below overflow drainage).
- The Autofilling can be stopped at any time by pressing the bath filling symbol (1).

Handshower:

- Press the handshower symbol (2).
- Water will run from mixer faucet into tub. Pull the diverter knob on faucet to activate the handshower. To turn off the shower, press the handshower symbol (2).

Note:

- Always use symbol 1 for tub filling and symbol 2 for shower.
- Always check the water temperature with a thermometer or physically by hand.
- Never leave the patient unattended during the entire bathing cycle.

Routine Maintenance

Before Each Use

- Visual inspection - make sure that all electrical cords are in good condition and hoses do not leak.
- Make sure it stands securely on the floor.
- Check the temperature setting by hand or with a bath thermometer.

Daily Maintenance

- Clean the tub after every use.
- Check the cleaning supply at least daily, depending on the frequency of use.
- Avoid abrasive cleaners which may scratch the gel coat finish of the fiberglass bathtub and the panel.
- When the tub is not in use, lower it to its lowest position and make sure all valves are closed.
- Clean the strainers on the patient and cleaning shower handles by rubbing it with your thumb.
- Visually inspect the tub interior to make sure there are no nicks or cracks which may scratch the patient.

Monthly (On-Site Engineer or Trained Staff)

- Make sure the connecting hot/cold water hoses are fitted correctly and do not leak.
- Check all screws and bolts.
- Check the power connection cord for damages (current & potential equalization).

Annually

- Maintenance and inspection by QUALIFIED STAFF.
- Movable components have to be maintained and inspected regularly because they are classified as wear parts (e.g. motor, fittings, hoses, connections, pipe interrupters).
- Inspection of electrical installation and equipment according to local requirements should be carried out annually.

Every 5 Years

- Exchange/replace all connecting hot/cold water hoses.

After Approximately 12 Years

- EZ Way recommends that both actuators and control system are replaced.

Maintenance and/or repairs may only be carried out by qualified staff. Improper maintenance and/or repair will void the warranty.

Please note: Iodine, bromine, and methylene blue can discolor the fiberglass.

The recommended frequency of these maintenance procedures will depend on the hardness of your water supply and how often the equipment is used. It is good practice to establish these routine procedures on a weekly basis and then adjust the frequency as your conditions indicate.

All mechanical parts inside the bathtub panel are maintenance free.

⚠ WARNING:

The equipment must not be used in any way that varies from the safety precautions and operating procedures detailed in this manual.

⚠ WARNING:

The equipment must not be operated until the user has read and understands the operating manual.

Installation Instructions

The HiLo Bathtub Comfortline II is delivered to you fully assembled, ready to be connected to the water and power supply at the customer's premises and should be installed according to local guidelines and regulations.

Assembly Process

DO NOT DRAG NOR PUSH THE BATHTUB ACROSS THE FLOOR AS THIS COULD CAUSE DAMAGE TO THE LEGS OR ACTUATORS.

When lifted, do so briefly and use at least two persons.

1. Once the bathtub is in its final position, lift briefly at each end again to release any tensions that might have been created between the feet during installation.
 2. The adjustable feet are used to level/adjust the bathtub. Please bear in mind that the head end of the bathtub has to be approximately 2 cm / 3/4" higher than the foot end to allow the water to drain more easily.
 3. Please flush the pipework before connecting the Comfortline to protect the bathtub fittings from dirt.
 4. A CERTIFIED ELECTRICIAN SHALL CONNECT THE MAINS CORD TO A WALL-MOUNTED OUTLET (SPLASHPROOF) in accordance with local regulations.
 5. Use the flexible drain hose to establish a connection between the drain siphon (at the bottom of the tub) and the floor gully. This connection is best attached when the bathtub is raised into its highest position.
 6. Carry out functional test.
- Test the Up/Down function by pushing each button on the hand control. INITIALIZATION must be carried out if the tub does not raise evenly (see separate instruction in the manual).
 - Check that the thermostat is working properly and test the water temperature. If the temperature is not the same as the actual water temperature, adjust according to manufacturer's instructions (see separate thermostatic mixer operating manual).
 - Check that the bath tap and the shower work properly.
 - Check the cold/hot water connections and make sure the drain hose is intact.
 - Make sure the mains cord is attached correctly and that it is not damaged.

The bathtub may only be used after it has been successfully and correctly installed.

On-Site Preparations

1. ½ inch hot and cold water connection, stopcock with a ¾ inch external thread for connecting nut (on-site pre-shutoff device), incoming water pressure 1-5 bar.
2. Mains connection 230V / 50Hz, 10A, or 110V / 60 Hz depending on model. Please note: All electrical conduit, fitting and wiring to bath supplied and installed by a certified electrician in accordance with local or applicable electric code as a minimum requirement. Main switch with signal lamp, main fuse and earth circuit breaker are not included and must be supplied by others.

Installation of Thermostatic Mixer

1. Rinse pipes according to DIN 19881.
2. Attach connections to the water supply.
3. The hot water supply has to be the left and the cold water supply on the right side. Check the connections for any leaks and make sure the fittings are working properly.

Installation Drawing for HiLo Bathtub Comfortline II

Floor drainage - Open floor drain or HI pipe DN40/50 (pipe coupling)

Wall drainage - HI pipe DN40/50 (pipe coupling)

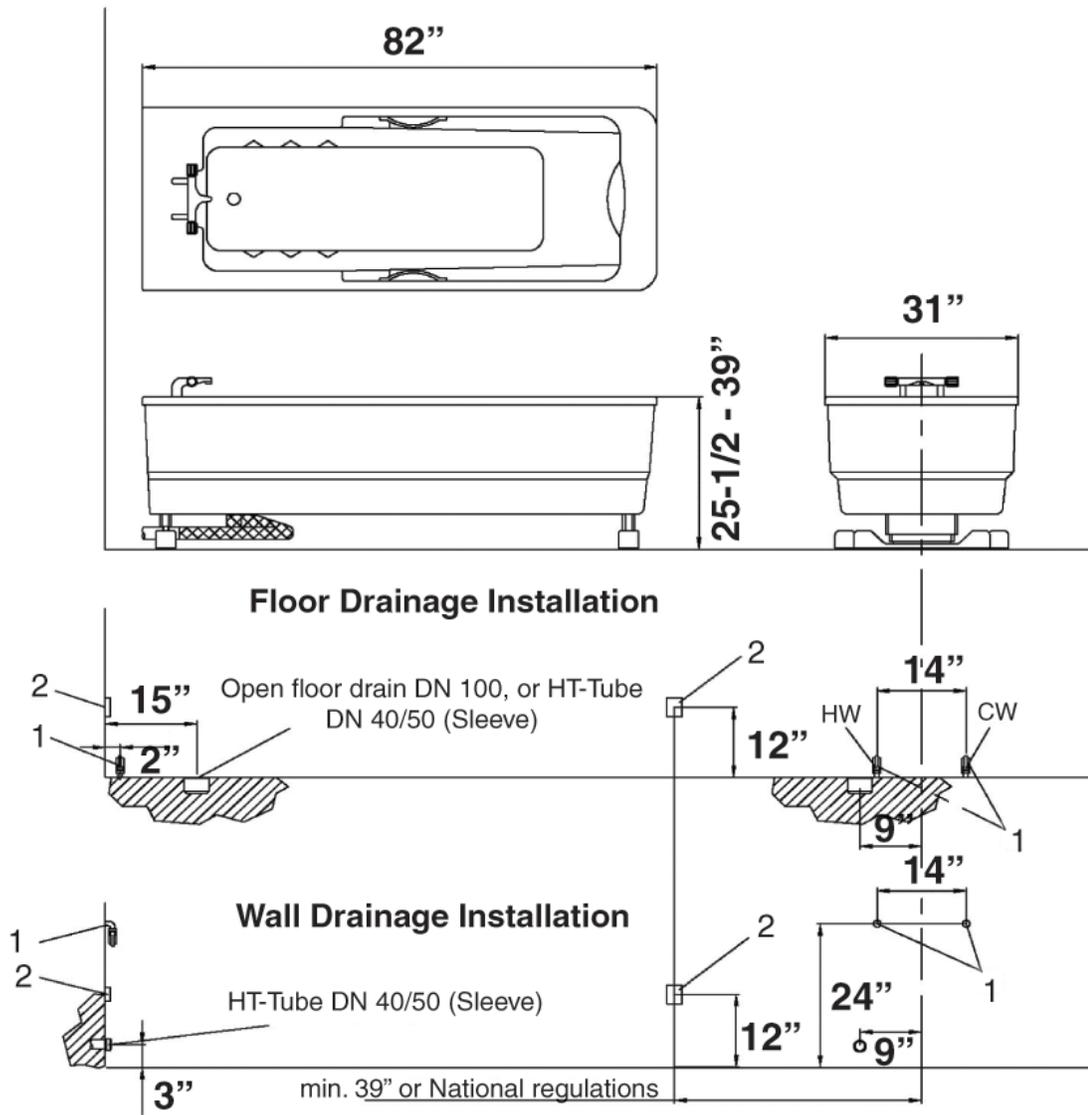


Figure 9 - Installation Diagram

System Components

Actuators

Please note: Only company engineers and/or trained staff are authorized to carry out any work on the drive system (actuators). Do not attempt work on the actuators without consulting EZ Way as this will void the warranty.

Thermostatic Mixer

See separate operating manual.

Factory-Mounted Options

- Air Spa system with twelve nozzles built into the bottom of the tub
- LED Light Color System that turns the water different colors
- Music, sound wave system - an integrated MP3 player with smart card module and eight speakers
- Cleaning system
- Autofill with 2 different pre-set levels

Subject to technical modifications and amendments.

WARRANTY, CE MARK & TECHNICAL SPECIFICATIONS:

EZ Way 1700 Height Adjustable Bathtub

Warranty: EZ Way warrants that its products are free from defects in materials and workmanship for a period of one year from the date of delivery. EZ Way mattresses and pillow of fabric covered PVC over polyester foam shall be warranted for a period of six months from the date of delivery. This warranty is in lieu of any other warranty or representation, expressed or implied. Warranties of MERCHANTABILITY or FITNESS FOR ANY PARTICULAR USE OR PURPOSE are expressly excluded. EZ Way will not be responsible for any expenses, inconvenience or incidental or consequential damages occasioned by the use, loss of use, or misuse of the products, or by the failure of the products to conform to the warranty set forth above. This warranty becomes void if the product shows evidence of mishandling, tampering, installation or use contrary to the applicable instruction materials, shipping damage, or repair. Routine cleaning, adjustment, and normal cosmetic and mechanical wear are not covered by this warranty.



CE mark: Certificate of registration at the LÄKEMEDELSVERKET Medical products agency in Sweden
Dnr.452:2008/83584.

Free sales certificate at the LÄKEMEDELSVERKET Medical products agency in Sweden.

TECHNICAL SPECIFICATIONS

Outside Length:	82"
Outside Width:	31"
Inside Length:	65"
Inside Width (Head End):	27"
Inside Width (Foot End):	24"
Inside Width (Tub Body):	17"
Access Height:	26"
Clearance Between the Floor and the Bottom of the Tub:	6"
Lift Speed:	0.3"/sec.
Operating Height Range:	26" - 40"
Power Supply:	230 V, 50 Hz, 10A / 110 V, 60 Hz
Overall Weight (Empty):	220 lbs.
Working Load Limit:	330 lbs.
Water Volume:	48 Gallons
Bathtub Body Material:	GPR
Control Voltage:	24 V DC
Bathtub Faucet:	See thermostatic mixer operating manual
Service Life of the Actuators According to Manufacturer:	20,000 lifts or approximately 10 years