

Operation Manual for Patriot Bathing System



Picture shows
Bathing system Patriot I
Art. Nr. 910500000

Security advices

Please read this manual carefully. Please use this unit only for the purpose it is designed for.
 Please obey all remarks named "ATTENTION".

Purpose of use

The Patriot Bathing system is designed to be an economical and to provide care for patient bathing by the nursing staff.

Rules and Regulations

Please obey all national rules for using this unit.

CE-Sign / Classification

The CE-sign indicates the fulfillment according to the rule 93/42/EWG for Medical products.
 This unit is classified in class 1 according to the European Medical Product Law.

Sign description



CE-Sign

MPG Medical product law

93/42/EWG European guide line for medical products

Warranty and guarantee

The manufacturer / importer of this unit is only responsible for the security and proper working of the units, if:

- The unit is used according to its purpose.
- The installation has been done by approved technicians.
- Recommended frequent checks of functions are fulfilled.

In case of delivery damages

Please check at the moment of delivery, if the product or the packaging has damages. Inspect packaging at time of delivery.
 All claims for freight damage must be filed in timely manner.

Serial sign

The serial sign of the Bathing system Patriot is located as shown in Page 4, Picture 1 No. 11, at the right side of the tank as well as of the mast of the lift. The serial sign can look as follows "example - 0011.50.02". Please have this number available when calling for service. The serial numbers for tub and lift are identical.

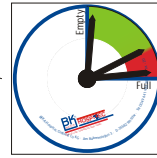
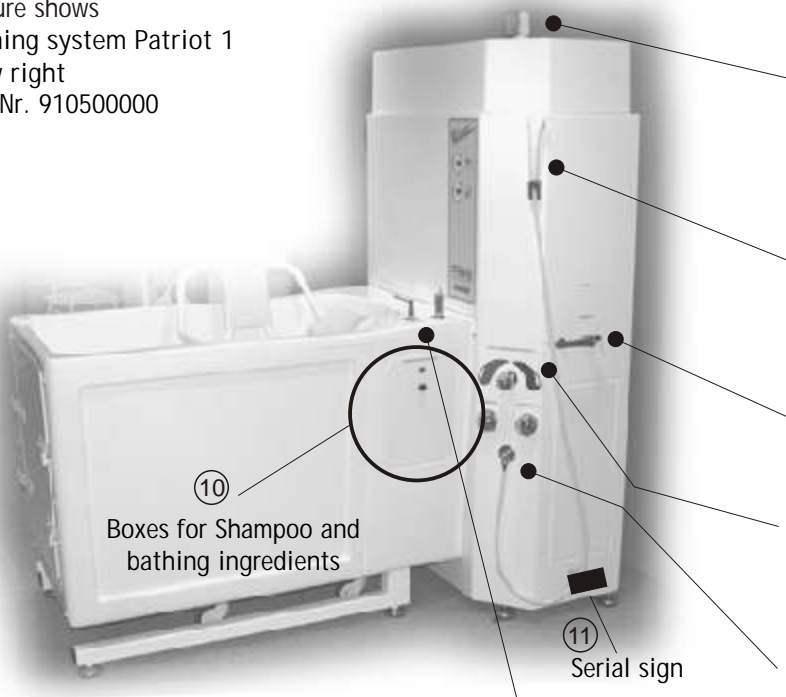
		BERND KRAFT GMBH & CO. KG. Medizinischer Apparatebau Am Rübenmorgen 3 D-35582 Wetzlar · Tel. 0641-92220-0			
Typ: Bathing System Patriot 1					
S/N:		0011.50.02		 	
Nennspannung	Nennaufnahme	Frequenz	Patientengewicht		
24 Volt	6 A	50/60 Hz	150 Kg		

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Total view 1

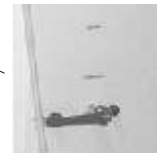
Picture 1
 picture shows
 Bathing system Patriot 1
 view right
 Art. Nr. 910500000



① Reservoir fill gauge



② Patient-Hand shower



③ Tub filling valve (emptying of the reservoir)



④ Thermostatic valve for reservoir filling and valve for patient shower

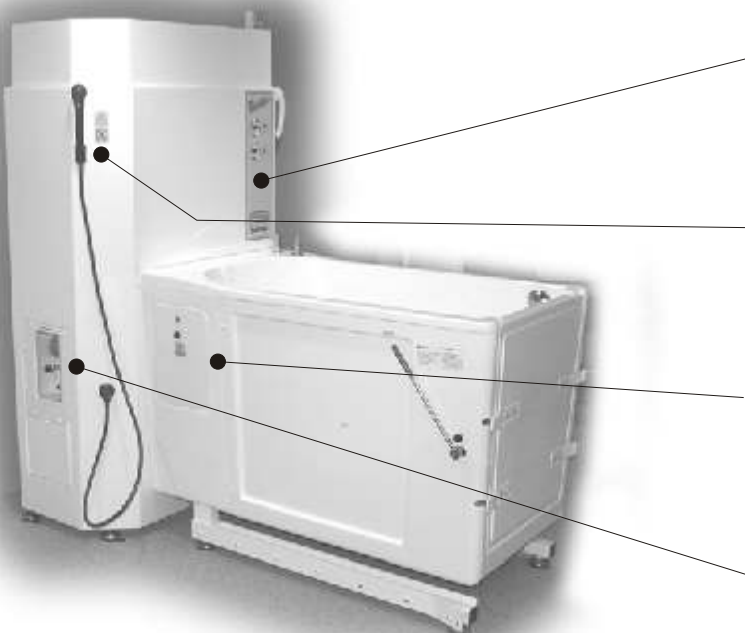


⑤ Pump dispensers for Shampoo and Bathing ingredients

⑩ Boxes for Shampoo and bathing ingredients

⑪ Serial sign

Picture 2
 Picture shows
 Bathing system Patriot I
 View left
 Art. Nr. 910500000



⑥ Patriot front panel with Thermometer for Water temperature of reservoir and Tub, Air-system panel Esprit 500



⑦ Disinfection shower



⑧ Disinfection fluid container



⑨ Valve for disinfectant with flowmeter for adjusting the mixing quantity.

Total view 2



① Removeable reservoir cover
(for cleaning)



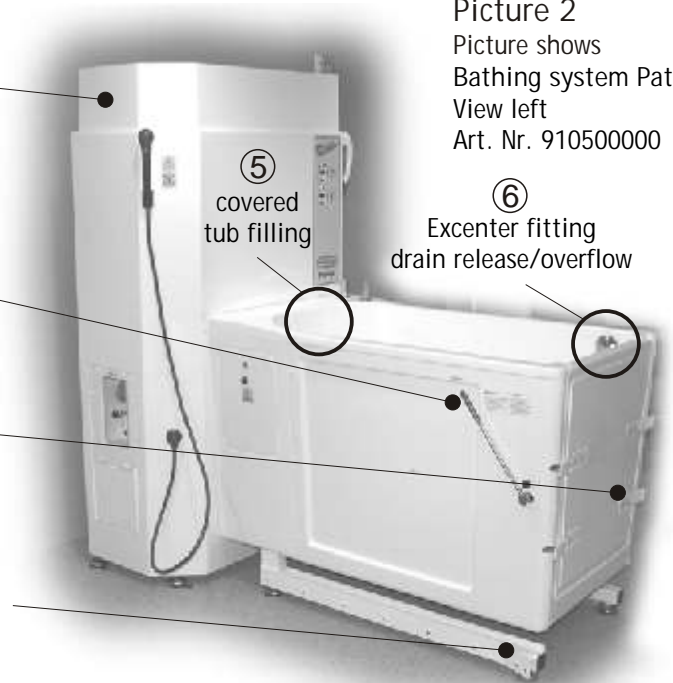
② Door locking mechanism



③ Front door tub



④ Guiding rail for Transfer Lift
and levelling feet



⑤ covered
tub filling

⑥ Excenter fitting
drain release/overflow

Picture 2
Picture shows
Bathing system Patriot I
View left
Art. Nr. 910500000



⑦ Lift cover



⑧ Battery control system with battery
and emergency stop



⑨ Seat with arm support and back support

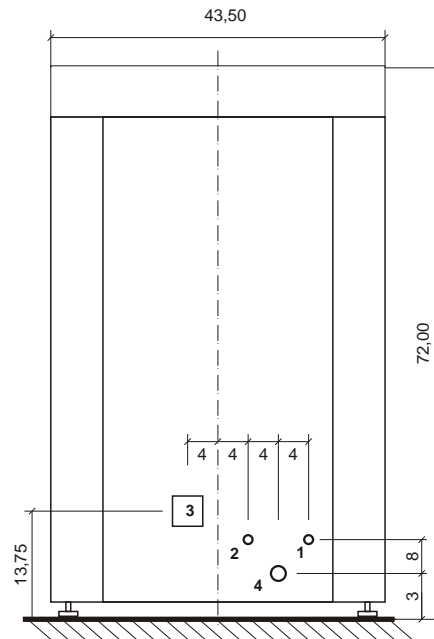


⑩ Transfer guide

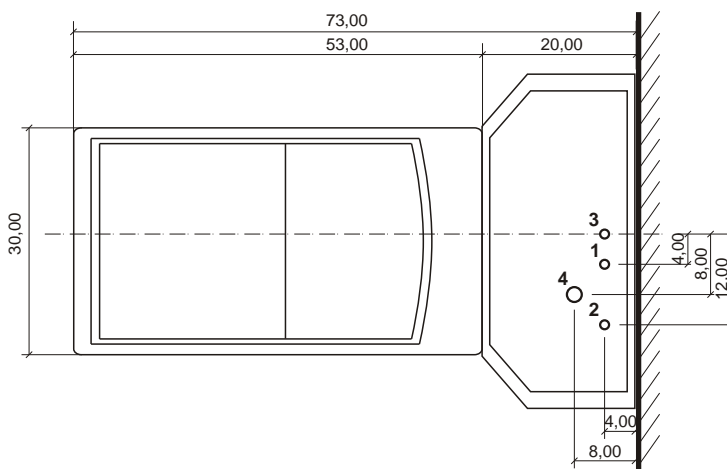


Picture 3
Picture shows
Transfer Lift

Sizes

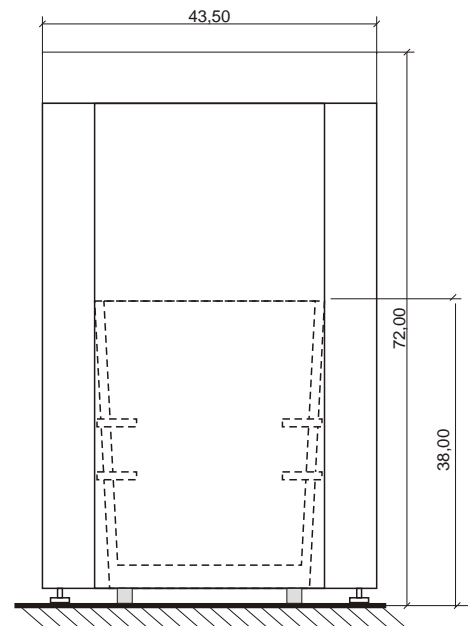


Variant A - Wall connection - directly



Variant B - Ground connection - directly

All sizes in inch



Pre-installed connections - Sanitary - Electric

1. Warm water connection $\frac{3}{4}$ ", ball valve with female threads,
2. Cold water connection $\frac{3}{4}$ ", ball valve with female threads
3. Electric connection: 110 V/50 Hz, 1400 Watts, receptacle
Or box w/cove, 20 Amp. GFI breaker
4. Drainage: 2" Diameter

Pre-installed security measures

The electric connections must be done according to the safety rules of each country. Please obey!



Function Bath tub

Electric and sanitary connection of the Patriot I Bathing system

The sanitary connection should be done according to the given data of the seller. The electric connections must be done according to the rules of each country. Please always make sure that the tub is properly connected to the tank and it is standing fixed on the ground.

First use

After the successful water and electric connection the bathing system Patriot I is ready for use.

Filling of the reservoir

For filling of the reservoir, please do as follows:

1. Make sure that the tub valve is closed Page 4, picture 1 No. 3
2. Open the valve to fill the reservoir Page 4, picture 1 No. 4
3. By watching the fill gauge Page 4, Picture 1 No. 1 the filling amount can be seen. Fill the tank until the indicator reaches the red area. The filling will stop automatically when the pre-set water amount is reached.
4. Close the filling valve
5. The water temperature inside of the reservoir is displayed on the thermometer Page 11, picture 1 (upper thermometer)

Filling of the bath tub

ATTENTION

Always make sure that the front door is closed and properly locked when filling the tub!

1. After the reservoir is full, the tub can be filled.
2. Please open the tub filling valve Page 4, picture 1 No. 3 by turning it a ¼ movement counter clockwise (to the left). The tub will be filled now in about 90 seconds via the covered tub filling tap Page 5, picture 2 No. 5

For the next reservoir filling procedure, the valve "tub filling" must be closed again.
For the next reservoir filling please do as described above.

Emptying of the bath tub

1. After the bathing procedure, the water will be removed by turning the drain release to the right. The drain will open and the water will drain out Page 5, picture 2 No. 6. Before the next bathing, the drain has to be closed by turning the drain release to the left.

ATTENTION

The patient can only move out of the tub after complete emptying of the tub.

ATTENTION

The opening of the door is only allowed when the the tub is completely empty!

Function Transfer Lift

Electric connection Transfer Lift Patriot I

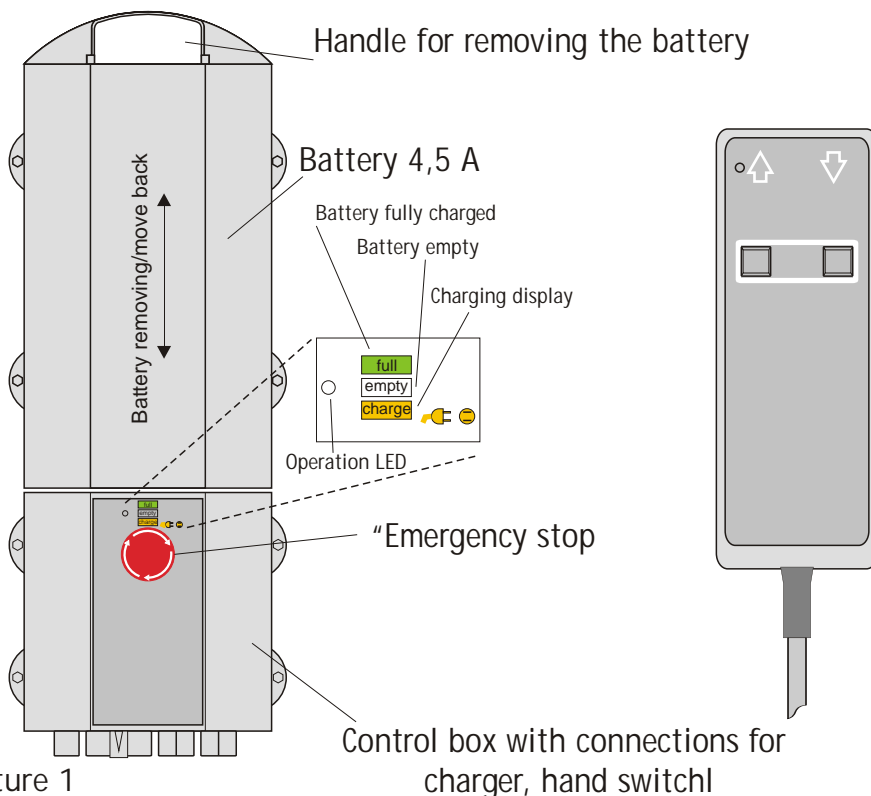
The transfer lift is equipped with a battery system 24 V. A proper socket (according to the electric rules of each country) is needed for charging the battery.

First use

The battery of the Transfer Lift is pre-charged. Therefore the lift can be used immediately after unpackaging. Please check if the emergency stop button is not locked. Page 8, picture 1. For unlocking, please turn it clockwise until it is released.

ATTENTION

For using the lift, please make sure that the emergency button is not locked.



Picture 2
Picture shows Hand switch

Picture 1

Picture shows Battery system 24 V

Up-/Down control hand switch

By pushing the up- and down symbols at the hand switch the transfer lift can be moved up and down. The green LED is lit during the movement.

LED-Battery box indicating

Description LED Display:

Green = Battery is fully charged / Yellow = Charging, external charged has be connected, / No LED = no charged connection / Yellow flashing = battery must be charged (20% power left) / Sound: The battery must be charged immediately.

Function Bathing system

Example for a bathing procedure with the bathing system PATRIOT.

The following pictures should be an example how to operate with this system.

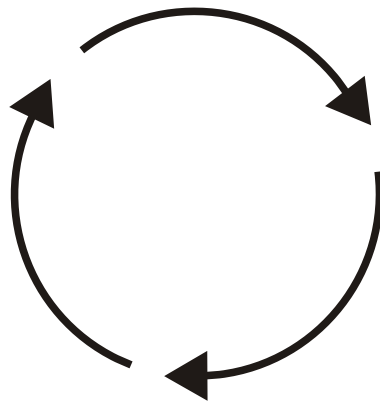
4

Remove patient out
of the tub
Disinfection / Cleaning
next patient



1

Open the door



3

Close the door
Fill the tub
Fill the reservoir
Bathing
Emptying of the tub



2

Move the patient
into the tub

Bathing procedure



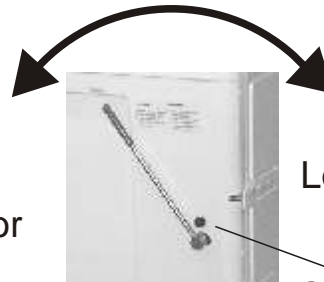
1 Start of the bathing procedure, open the door

The front door will be opened by unlocking the closing mechanism. Page 5, picture 2 No. 2. To unlock the door, pull the red knob and pull the handle counter clockwise until the knob is released. Make sure that the red knob is locked in both final positions.

Picture 1

 Picture door locking
 mechanism

Open the door



Lock the door

Security knob

ATTENTION

The opening of the front door is only allowed when tub is empty.

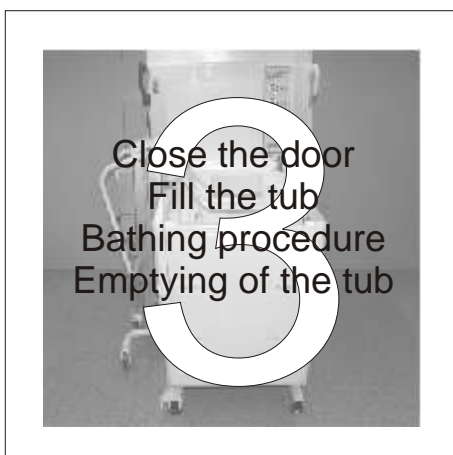


2 Move the patient into the bath tub

Guide transfer chair into tub along the guide rail, (Page 5, picture 3, No.10) Raise the transfer lift up/down until the black line has the same level as the upper tub rim. This enables a smoother way in the tub. The lift can now be moved into the tub.

ATTENTION

Please always check the correct height of the lift seat before moving it in the tub otherwise damages to the tub or/and the transfer lift can occur.



3 Bathing procedure

After the transfer lift has been moved into the tub, the front door must be closed and locked.

The front door will be closed and locked by using the door grip. Page 5, picture 2 No. 2. For closing the door, please pull the red knob and move the door grip clockwise upwards until the red knob clicks back in.

ATTENTION

The red knob (security lock) must be clicking audible in the locking position. This assures that the door is locked safely!

Bathing procedure

4 Patient Bathing

For the procedure "Filling of the reservoir - Filling of the tub" - "Drainage of the tub" please proceed as described on page 7.

5 After the bathing

When the bathing procedure is finished and the water is drained the patient can be moved out of the tub again.

The tub and the transfer seat of the lift should be disinfected before using it for the next patient. The installed patient shower can be used for pre-cleaning. With the installed disinfection shower the product can be disinfected on the surface.

6 Disinfection

To disinfect:

- Open the door for the disinfection system Page 4, Picture 2 No. 9
- Take the disinfection shower in your hand and hold it over the tub
- Open the disinfection valve
- Rinse the surface of the product thoroughly.
- Let the fluid react according to the time frame of the producer.
- Rinse the product by using the white patient shower.



Refilling of the disinfection fluid

The container for the disinfection fluid is located behind the opening of the left side cover of the tub Page 4, picture 2 No. 8

Adjusting of the disinfection quantity

The quantity of disinfection fluid is pre-set according to the preferred amount given by the disinfection fluid producer and based on an average water pressure. In case the consumption seems to be too high or low, the quantity can be adjusted. Please call United Patient Care Product Service for assistance.

Refilling of shampoo and bathing ingredients

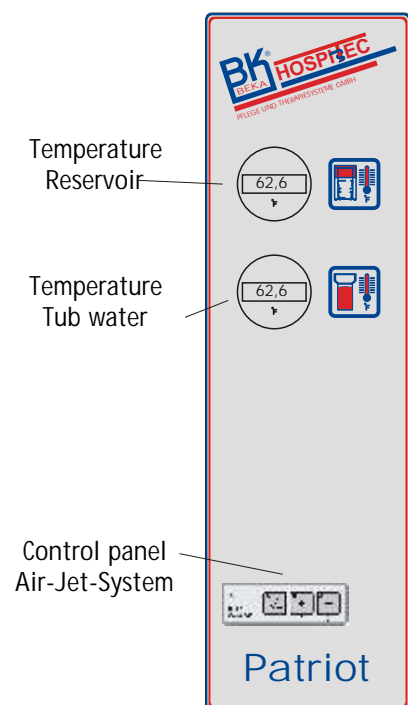
The container for the shampoo and bathing ingredients are located behind the opening of the right side cover of the tub. Page 4, Picture 1 No. 10

Cleaning /Disinfection of the reservoir

The reservoir has a smooth inside and a declined drainage. This ensures that no water will remain in the reservoir after opening the valve.

For cleaning and disinfecting of the reservoir the top cover can be removed. Page 5, Picture 2 No. 1. Please obey that the fill indicator rope also must be removed.

Picture 1
shows front foil



Detail

Air jet system control

Stand by - ready for use:

The light (a) indicates the stand by of the system.

ON/OFF-button (1):

By pushing this button the system shuts on or off. The blower starts smoothly up to medium power. During the operation the LED (b) is lit.

' Plus ' - button (2):

For increasing the power output of the blower, keep the button pushed until the whirl power reaches the desired intensity. While pushing this button the LED (c) is lit.

' Minus ' - button (3):

For decreasing the power output of the blower, keep the button pushed until the whirl power decreases to the desired intensity. While pushing this button the LED (d) is lit.

Interval :

For activating the interval function, push, while the blower is running, the button 2 & 3 simultaneously. Thereby the intensity of the blower is changing periodically between upper and lower level. After activating this function the period is 20 sec. By pushing the button 2, the period can be adjusted down to 10 sec. By pushing the button 3, the period can be adjusted up to 40 sec. During this modulation the LED's (c) and (d) indicates the direction up or down.

Dryblowing

25 Minutes after stopping the system, the system starts again automatically for a period of 30 sec. to blow the hoses/jets dry. During the waiting period for this dry-blowing the LED (b) is flashing.

The automatic dry blowing can be shut off by manual pushing any button.

Determination of the upper blower intensity:

Start the system by pushing button 1. Adjust the intensity up to the desired level. For saving this intensity please push button 1&2 simultaneously. The adjusted level will be saved. For deleting this level, please push again the two buttons simultaneously. In case of power failure, the levels will be automatically return to the pre-set values.

Determination of the lower blower intensity:

Start the system by pushing button 1. Adjust the intensity down to the desired level. For saving this intensity please push button 1&3 simultaneously. The adjusted level will be saved. For deleting this level, please push again the two buttons simultaneously. In case of power failure, the levels will be automatically return to the pre-set values.

Automatical shut-off:

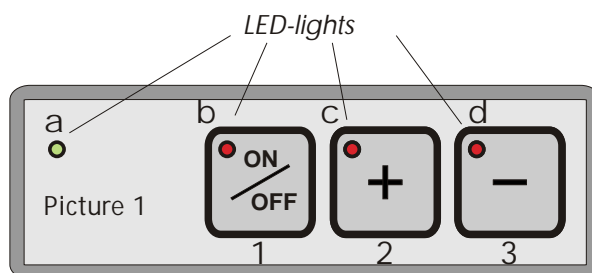
30 minutes after the last button has been pushed, the system shuts off automatically. Thereby it is assured that the system does not run constantly without any control.

Security shut-off:

If a button is pushed longer than 20 sec. (Obstacle is on the panel) the system shuts off automatically. After the obstacle has been removed the system is ready for use again.

Automatic blower intensity control:

In case of blocked jets (dirt, etc.) The blower automatically reduces its power for avoiding any overheating.





Technical data Tub and reservoir

Length: 53,25 inch
 Width: 30 inch
 Height Tank: 72 inch, Tub: 39,33 inch
 Weight: 550 lbs

Content: 78 gallon
 Air blower: Water proof, 110V/50Hz, 1400 Watts, 16 Amp
 Warm/cold water connection: 3/4"
 Drainage connection: 2" Diameter
 Electric connection: 20 Amp GFI Breaker

Technical data Transfer Lift

Length: 33,50 inch
 Width: 21,75 inch
 Height: 15-34,75 inch
 Weight: 175 lbs

Current power internal: 24 V
 Current power external: 120 V

Room- and storage temperature

The room temperature should be between + 50 up to + 110° F. The storage temperature should not exceed - 22° up to 170° F.

Lack of guarantee

- * Damages which occur by improper use and installation of the product.
- * Not obeying the installation instructions and the operation manual.
- * External influence (e.g. Transport damages).
- * Changings (e.g. at installation), which are done by non-authorized technicians.
- * In case of worn parts.

Fittings

All chromium plated as well as colored surfaces are non-resistant against acid-containing and scratching detergents. Please never use those detergents for cleaning the fittings and valves.

Bathing ingredients

Please never use ingredients which are made of herbal concentrates. These ingredients can change the color of your tub.

ATTENTION

The changing of the color can not be removed. It does NOT destroy the function and surface of the tub - it only changes the color!

Recommended time frame for the Air-jet system:

At a water temperature between 90 - 100°C, time period 10 - 20 Minutes.

Spare part list for Bathing system Patriot

Order number	7400235	Hand shower, white
Order number	7400238	Hand shower, red
Order number	7400318	Shower hose white
Order number	7400283	Shower hose red
Order number	7400196	LCD-Thermometer
Order number	7510601	Thermostatic fitting inlet 3/4"
Order number	7400367	Air-system electric box G10 HL
Order number	please ask	Control panel Esprit 500
Order number	7511591	Valve 3/4" Oras

Maintenance

We recommend the following maintenance intervals:

Checking of all moveable parts	every 6 months
Total check:	every 12 months

In case of improper functioning

Please contact your local dealer for service. Please always have the serial number available.



EC-Declaration of conformity

beka/mm V 1.00

For the following product

Art. No. 910500000 Bathing system Patriot

It is herewith certified, that it is produced according to the rules of the guideline 93/42/EWG for medical products.

Guideline 93/42/EWG

This certificate is made for the manufacturer/importer

Bernd Kraft GmbH & CO KG
Am Rübenmorgen 3
35582 Wetzlar

Signed by the General Manager

Bernd Kraft