

ATOMIC and ATOMIC PLUS HYDROMASSAGE SYSTEMS

GUARANTEE CERTIFICATE USER MANUAL

Version: 08/2003

RECORD OF MAINTENANCE AND REPAIRS DONE BY AN AUTHORIZED SERVICE DEALER

Date reported	Date of repair	Description of repairs and replaced components	Name of serviceman	Signature, stamps

TYPE OF HMS
NAME AND SIZE OF TUB
PRODUCT NUMBER
LENGTH OF GUARANTEE
DATE OF INSTALLATION
SALES DOCUMENT NUMBER
DATE OF SALE

DEALER
SIGNATURE, STAMP

AUTHORIZED SERVICE
SIGNATURE, STAMP

CUSTOMER GUARANTEE (Part A)

CUSTOMER GUARANTEE

GUARANTEE CONDITIONS

1. The manufacturer of hydro-massage bathtubs extends a time-limited guarantee on their hydro-massage systems. The guarantee is valid 24 months after installation and start-up of the system by an authorized company. This validity period, however, is limited to 26 months after the date of purchase. The guarantee does not cover the halogen bulb in the underwater light.

2. Claims can only be accepted under the conditions of a properly submitted and completed registered guarantee (as stated in part A).

3. The manufacturer does not recognize any compensation for damages caused by the buyer, or third person, by reason of not adhering to the manufacturer's instructions.

4. The guarantee does not extend to parts and elements damaged by using in a manner contradictory to the recommended operation instructions.

5. The manufacturer reserves the right to charge all persons with expenses incurred for making an unjustified claim.

6. The manufacturer reserves the right not to honour the guarantee in the case of incompetent intervention and repair of the hydromassage system and with the use of cleaning agents which have not been recommended.

7. The guarantee is honoured only at the time of installation and start-up of the hydromassage system by a technical serviceman or company that holds a written certificate from the manufacturer. In the opposite case, the guarantee is ruled by a time-limit and the manufacturer is not responsible for damages caused by unprofessional installation of the hydromassage system.

8. The guarantee is not extended to the wear of the hydromassage system under normal use.

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 Fax: +420 318 427 269
 e-mail: export@ravak.cz

RECORD OF CONTROLS CARRIED OUT ON THE HMS



Manufacturer: RAVAK a.s. Obecnická 285 P.O.Box 122 261 81 Příbram I Czech Republic	PRODUCT: TYPE:	Production No.	Year of prod.	Covering IP 55
Pump (W):	Blower (W):	Heating system (W):	Specified power input: (W)	
Power rating: A	Operating voltage: 230 V, 50 Hz			
Recommended fuse amperage: A	Voltage system: TN-S			
Recommended protector 30 mA	Controls voltage: 12 V			
TESTING ACCORDING TO ZPP 03				
MECHANICAL		ELECTRICAL		
General check, control carried out and visual repairs:	SATISFACTORY	Control of internal connections:	ACCORDING TO PROJECT DOCUMENTATION	
Control of mechanical function and repair of the device:	SATISFACTORY	Visual inspection:	SATISFACTORY	
Controlling the function of the drainage and outflow system:	SATISFACTORY	Control of connections, cable clamps and cross-section of the conductor wire:	SATISFACTORY	
Control of connections for leaks:	SATISFACTORY	Control of labels and seals of the device:	SATISFACTORY	
		Control of protective connection:	SATISFACTORY	
Type of test - measurement		Max. stated value	Allowed / limit	
Junction resistance			0,1 Ω	
Check for faults in the wirings			3 mA heating	
Insulation resistance			2 MΩ min	
Comments:				
The product was standardly tested by EZÚ Prague SZ 201:				
Hydro-massage bathtubs: certificate No. 1030898, 1031137; CB certificate: CZ-1335, CZ-1349				
Hydro-massage cabins: certificate No. 1030549; CB certificate: CZ-1312				
Date:	Tested by:	- 11 -	Head manager:	

ASSEMBLY AND INSTALLATION OF THE HYDRO-MASSAGE SYSTEM WITH AN EXTENDED GUARANTEE

The manufacturer extends a 24 months guarantee from the date of installation and start-up of the hydro-massage tub by an authorized person. In any other case, there is a statutory, time limited guarantee and the manufacturer is not responsible for damages caused by non-professional installation of the hydro-massage system.

Authorized installation and start-up of the system includes the following:

- Unwrapping the bathtub from its original transport packing.
- Checking completeness of the delivered goods.
- Setting the tub in the installation area.
- Connecting the tub to the outflow system and to mains of water.
- Connecting the tub to the electrical supply and grounding system according to standard regulations.
- Filling the tub and checking for any leaking in the seams and connections.
- Testing all components and functions of the bathtub.
- Demonstration on maintenance and service of the hydro-massage system.
- Sealing the gap between the tub and the bathroom wall.
- Final setting of the front covering panels.
- Validation of the guarantee certificate, and detaching the relevant part of it.
- Presenting the hydro-massage tub to the customer.

Any other operations performed by the authorized service dealer during the assembly must be agreed upon. They will not be included in the price for installing and start-up of the bathtub.

Price for authorized installation does not include:

- Materials used for installing, but not included with the product.
- Extra work required for installation of the tub (e.g. drilling holes for upright taps, installing the ventilation grates, adjusting the mounting slots, etc.).
- Transporting costs charged by the authorized installation company.

TYPE OF HMS

NAME AND SIZE OF TUB

PRODUCT NUMBER

LENGTH OF GUARANTEE

DATE OF INSTALLATION

SALES DOCUMENT NUMBER

DATE OF SALE

CUSTOMER

NAME

SURNAME

ADDRESS

TELEPHONE

ALTERNATE CONTACT

DEALER

AUTHORIZED SERVICE

SIGNATURE, STAMP

SIGNATURE, STAMP

MANUFACTURER'S GUARANTEE (Part B)

CUSTOMER GUARANTEE



RAVAK Co. or any other authorized firm, have carried out all the mentioned terms regarding the installation and start-up of the hydromassage system and at the same time have informed the buyer of the service and safety in the use of the product.

An integral part of the guarantee are the instructions for use and protocol for the performance and final check of the hydromassage system. The manufacturer is not responsible for an incompletely filled-out guarantee or for unauthorized changes in the guarantee and claims in this case will not be acknowledged. In making a claim, the guarantee is an important document and therefore it is necessary to keep it in a safe place.

The guarantee is not extended to damages caused by the use of the product in any way other than the recommended use by the manufacturer. The manufacturer is not responsible for damages caused by the unprofessional installation of the hydromassage system.

I hereby confirm that I have read and understood the terms of the guarantee, the service instructions and all particulars of the guarantee.

[Redacted signature area]

Name and legible signature of the client

This voucher must be completed by persons over 18 years old.

I confirm that I am over 18 years old and agree that all personal information given in the guarantee will be filed in the registered database of RAVAK Co. My personal data may be used only for the purposes of RAVAK Co. and cannot be given to a third party. I also state that I am aware of my rights to inspect and correct these statements.

I agree to have information and marketing material from the RAVAK Co. sent to me.

YES NO (Mark your choice with an "X")

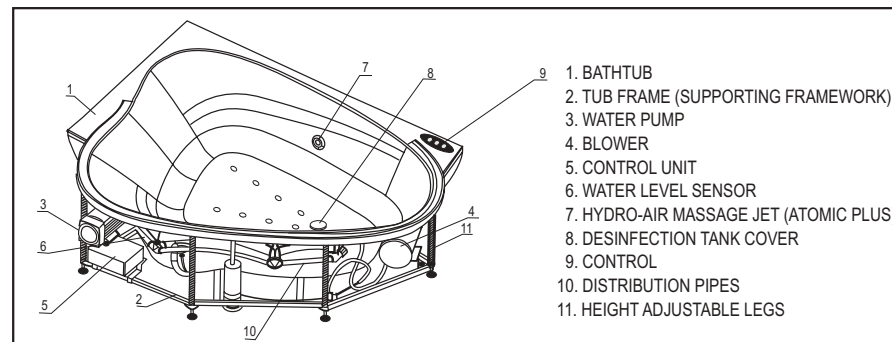
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Name and legible signature of the client

ATTENTION!

For the guarantee to be valid it is necessary to send this copy to the manufacturer!

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WARNING!

It is strictly forbidden to take apart or replace any of the technical equipment installed under the bathtub, or to manipulate any of the electrical components and elements.

CLEANING AND MAINTENANCE

If you want your bathtub to serve you reliably for a long time, please obey the following instructions and recommendations:

- Clean your bathtub after every use. We recommend you to use the proven Ravak Cleaner.
- Fill the tub always with cold water first, then with hot.
- Protect the tub from any contact with solvents, varnish and thinners, as well as with nail polish or nail polish remover since they would damage its surface too. Just as dangerous are hot things such as lit cigarettes or a hot curling iron.

Do not use any concentrated detergents or abrasive preparations to clean the bathtub. We recommend the Ravak Disinfectant and Ravak Cleaner products that have been developed especially for gentle yet effective cleaning and disinfecting of bathtubs and hydro-massage systems.

THE HYDRO-MASSAGE SYSTEM:

Every 3 weeks we recommend you to fill the bathtub with warm water (or use the water left after your bath), add the appropriate amount of disinfectant recommended by the manufacturer, and switch the system on for approximately 10-15 minutes. Afterwards, drain the bathtub and rinse the system by repeating the process with water only. Finally, drain the bathtub again and wipe any remaining water off its surface.

THE AIR-MASSAGE SYSTEM:

Every 3 weeks it is recommended to fill the tub with warm water (or use the water left after your bath), add the appropriate amount of disinfectant recommended by the manufacturer, and switch the system on for 30 seconds to dilute the disinfectant thoroughly. Let the disinfectant work in the tub for about 10-15 minutes. Drain the bathtub and fill it with water only. Now switch only the air-system on and off several times. Drain the bathtub and let the air-system work for a while to dry it out. Finally, wipe the bathtub surface dry with a soft cloth.

THE HYDRO-AIR SYSTEM: Combine both the above-described ways.

AUTOMATIC DISINFECTION FUNCTION: If your bathtub is equipped with this feature, switch the process on. When finished, drain the bathtub and rinse its surface with water. Turn the automatic drying on. Finally, wipe the tub with a soft cloth.

Only this way you can keep your bathtub protected from mineral sediments, organic dirt and soap deposits.

Dispensing the RAVAK DISINFECTANT detergent:

Pour 40-120 ml of the detergent into warm water (40 ml detergent on each 1000 ml water).

To clean up any mechanical dirt off the bathtub surface (e.g. after installing it or redecorating the bathroom) obey the following:

Ease the dirt off mechanically, preferably with wooden spatula. Do never use any metal spatulas, wire wool, knives or abrasives.

Oil-, or grease dirt clean away with industrial alcohol. Do never use strong solvents such as acetone, paint thinners, toluene, benzene, ammoniac or chlorine preparations.

Cleaning powders use for metal parts of the bathtub only. Preferably, use cleaning pastes or emulsions instead.

After cleaning, always rinse the tub with water and wipe dry with a soft cloth.

It is strictly forbidden to take apart or repair the technical equipment installed under the bathtub, and to tamper with the electrical elements of the system. Remember and obey this order always when maintaining your hydro-massage bathtub.

SERVICE INSTRUCTIONS FOR THE HYDROMASSAGE

General recommendations:

We ask the client to follow the recommendations and suggestions given in these instructions so damage to the hydromassage system can be prevented and the full use of the system can be enjoyed. These products are specifically made for normal household use. At the same time, we warn that the Ravak Co. does not carry responsibility for damages and defects caused as a result of using the product in a contradictory manner to the service instructions.

USE OF THE HYDROMASSAGE SYSTEM

The hydromassage system is composed of a pump driven by an electric motor, water jets, safety drainage system, pneumatic or electronic controls and distribution pipes. In the system the water is drained from the tub into the distribution pipes and consequently blown into the jets where it is combined with air and under pressure flows into the tub. You can manually or electronically regulate the amount of air depending on the type of hydromassage system you have chosen for your individual use. The pump is equipped with a safety feature against overheating. In danger of overheating, the pump turns off. It starts working again automatically in approximately 30 minutes.

Before use:

- Fill the tub with (first cold and then warm) water, to a minimum of at least 5cm over the upper edge of the highest water jet;
- with a touch of the button, start the water pump, adjust the direction of the jets and the intensity of the hydromassage including the amount of air, and if need be, the length of time of the hydromassage.

The airmassage system is composed of a blower which forces air under pressure into the jets located at the bottom of the tub and blows air into the water. The effect is known as an effervescent bath. With different types of systems it is possible to regulate the amount of pressure of the forced air. The blower is equipped with a safety feature against overheating. In danger of overheating, the blower turns off. It starts working again automatically in approximately 30 minutes.

Before use:

- Run a sufficient amount of water into the tub (first cold and then warm);
- Turn on the blower and if the system allows, choose the intensity of the airmassage and length of time it will be used.

The combined hydro and airmassage systems can be used simultaneously or separately.

PRINCIPLES OF SAFE USE

Please always follow the principles of safe use for the hydromassage and airmassage systems. Damage and problems occur with the improper use of the hydromassage tub and is not under the control of the guarantee.

1. The temperature of the water bath should not exceed 40° C . This is the maximum limit in respect to the healthy effects of a bath. A lower water temperature and a shorter bathing time (ten minutes) are recommended, especially when bathing children. Never leave a small child in the hydromassage tub without supervision. Your first bath in the hydromassage tub should not exceed 10 minutes.
2. A high water temperature during the course of a bath can considerably influence the course of pregnancy, especially during the first three months of pregnancy. We therefore recommend that the water temperature not exceed 38°C, and that the length and intensity of the massage be consulted with a physician.
3. Persons suffering from obesity , who have had a heart attack, have blood pressure disorders or who are diabetic should consult a physician about any possible risks before using the hydromassage tub. Likewise, persons taking medicines for blood pressure problems and persons who have heart problems should consult a physician before using the system.
4. It is very dangerous to consume alcoholic beverages, narcotic drugs or drugs with impairing effects which can cause unexpected complications and can lead to drowning.
5. You should not fill the tub to the rim. The maximum height of the water level should be to the overflow opening. The minimal water height should be at least 5 cm over the upper edge of the highest placed water jet (picture 1). Under no circumstances should you turn on the water pump if the water has not reached the minimal level!
6. In the bath, do not use any cosmetics except for those that were produced specially for use in hydro-massage bathtubs and recommended by the manufacturer.
7. For bathers with long hair we recommend the use of a bathing cap because of the possibility of hair entering or

blocking some parts of the hydromassage system. It is also important to remove small objects (beads, earrings, etc.), which may block or damage some parts of the system. The suction system is equipped with a safety feature. If some strange object should cover the front of the suction straining, the system starts to intake water at the sides and thus prevents full blocking of the system. However, always make sure you avoid any possible suction strainer blockages to protect the water pump as well as other parts of the system from getting damaged.

8. It is possible to change the action of the hydromassage on chosen parts of the body by changing the direction of flow of the corresponding jets (picture 4). The intensity of the flow can be regulated by opening or turning down the hydromassage jets (picture 5 only on certain models of jets). It is possible to influence the whole massaging effect by regulating the amount of air intake into the hydromassage jets with the help of a dial regulator. (pictures 2 and 3). First, set the regulating dial to the minimum and then it can be raised to the maximum output.

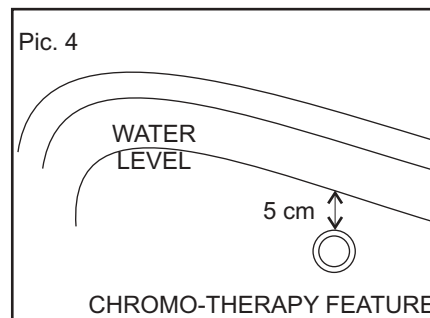
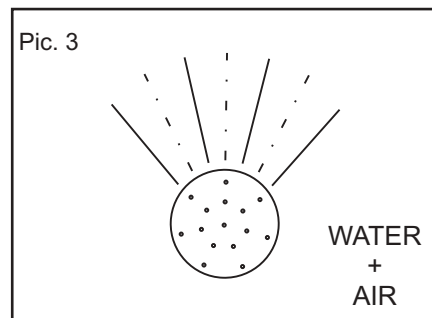
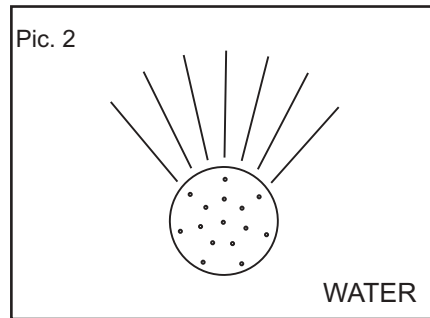
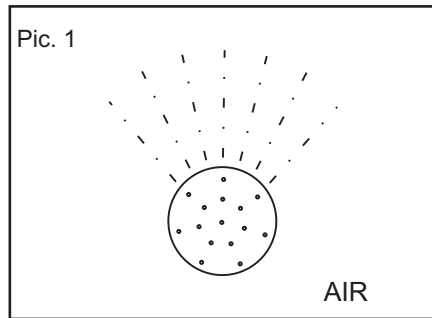
9. If you want a refreshing massage use a cooler water bath, and if you want to relax or relieve pain and tension, use a warm water bath.

10. At the end of your bath, turn off the hydromassage or airmassage system first. If the system has a timer for the length of the hydromassage cycle, it will automatically turn off. Before draining the tub, choose a suitable cycle for cleaning and disinfecting the massage system. (page 9). Now, as with a normal tub, you can open the drain and let out the water.

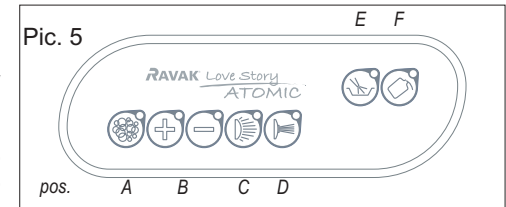
11. If your bathtub is equipped with the disinfection cycle feature, always make sure it gets turned on only when nobody is in the bathtub! HEALTH DAMAGE DANGER!


12. WARNING: to the dangers of electrical shock! Do not install or place any electrical appliance (such as a lamp, telephone, hairdryer, radio, television, etc.) within 1.5 meters of the hydromassage system!







13. DANGER: to lower the risk of injury and accidents do not remove the safety cover installed on the system.






ATOMIC



The **Hydro-massage system** turns on by pressing the  button on the combined electronic starter (picture 5, position D). Pressing the button one more time turns the pulsation function on. Pressing the button for the third time turns the system off.

The **Air-massage system** turns on by pressing the  button (picture 5, position A). Pressing this button one more time turns the system off. Power output of the blower can be regulated by pressing the  and  buttons on the control panel. The both systems are equipped with water-level sensors, which keep the systems from being turned on when the water reaches an insufficient level. (i.e. below the sensors located approx. 5 cm above the underwater light - or the chromo-therapy; see picture 4), or if the system works for more than 20 minutes, it automatically turns off. 20 minutes after draining the bathtub, the blower turns on again to dry the system out - it takes about 3 minutes. The chromo-therapy feature turns on by pressing the  button (picture 5, position C). Its light is red at first, and it slowly changes to other colours. Buttons  and  for the disinfection cycle feature are in the ATOMIC system not active.

ATOMIC PLUS

Operation of this hydro-massage system is identical with operation of the "ATOMIC". To this system, water heating feature and disinfection cycle unit has been added. The water heating turns on automatically by turning on the hydro-massage system (picture 5, position D). The disinfection cycle turns on by pressing the  button on the combined starter (picture 5, position C) and holding it down for 3 seconds. After that, the pump and the blower start working simultaneously with the disinfectant being sucked from a tank under the tub into the delivery pipes system. This goes on for 1 minute, followed by a 7 minutes pause (the function turns off). This process repeats 3 more times, only without the disinfection being sucked in; the whole cycles takes approximately 30 minutes. A green LED diode indicates functioning of the disinfection (). About 20 minutes after the complete procedure is finished and the water is drained out of the tub, the drying turns on for 3 minutes. A red LED diode () indicates lack of the disinfectant solution. The containers for disinfectant solution located under the tub can take 2 liters. Recommended filling of the container: 1 part of RAVAK DISINFECTANT diluted with 6 parts of water.