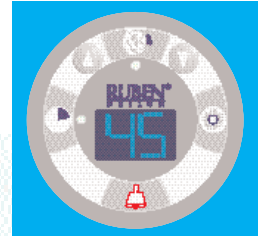


STEAM GENERATION SYSTEM

SHIVA

ROMAN STEAM BATH

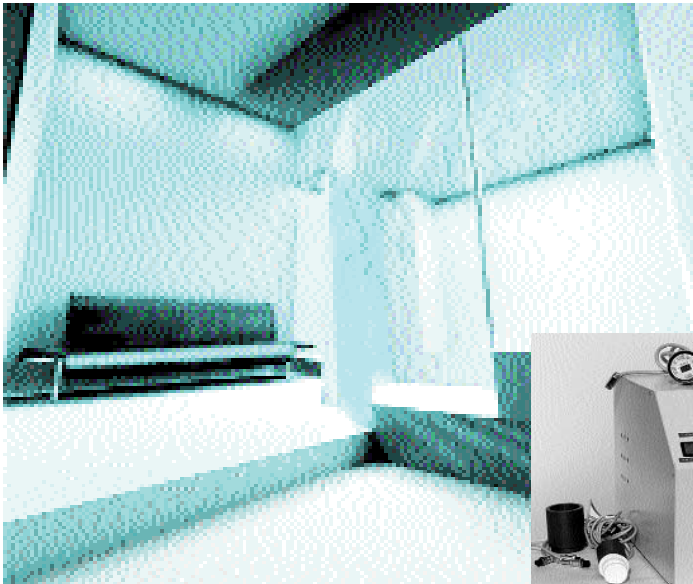
WARRANTY
INSTALLATION INSTRUCTIONS,
USAGE
MAINTANANCE



RUBEN[®]
DESIGN

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Dear Customers,

Congratulations on purchase of our product, which, we are certain, will satisfy all your demands.

Our company specialises in designing and manufacturing of hydrotherapeutic and standard bathing appliances which serve the purpose of promoting health and well-being, as well as all that is associated with the term Wellness.

Our aim is to provide you with highest quality hygienic products built according to the most up-to-date designing and technological standards.

SHIVA RUBENUS *is a luxourious sytem of Roman steam bath which offering all well-known therapeutic benefits of water, heat and aromatherapy (optionally: chromatherapy).*

SHIVA RUBENUS *belongs to the newest generation of products designed for health, pleasure and comfort. Without leaving home you will be able to experience the healing power of Wellness.*

We wish you years of pleasurable and satysfying use of this product.

RUBEN Design



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DESIGN

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WARRANTY TERMS

1. **IMPORTANT!: SHIVA system must be installed by a qualified engineer in accordance with the existing national regulations and standards. The installing engineer shall be responsible for checking whether the electrical and hydraulic installations have been correctly prepared.**
2. This warranty is valid as long as usage and installation have followed the procedures within this manual. The warranty period for hydromassage systems is 24 months from the date of purchase. The warranty is valid for 30 months after being issued by RUBEN DESIGN, it expires automatically if damage has originated from the following causes:
 - unauthorised assembly and installation,
 - improper connection of electric installation and nonobservance of the installation instructions,,
 - unauthorised repairs,
 - use of the SHIVA System with disregard to operating instructions,
 - mechanical damage,
 - power network damage or power fluctuations..
3. The customers are asked to place objections in the place of purchase or with the Ruben Design service.
4. All defects will be removed free of charge within 30 days by either repairing or replacement of faulty components.
5. Should a damage occur on which no guarantee is granted all cost of repairs and service vist are covered by the customer.
6. Guarantee card must be filled out on the day of delivery and is valid only with the receipt as well as technical acceptance and bathtub connection certificate **signed by qualified engineer..**
7. All warranty repairs documentation is made out by the servicing personel and signed by the customer..
8. Duplicates of guarantee card will not be issued..
9. CUSTOMER'S SIGNATURE ON COUPON 'B' MEANS ACCEPTANCE OF GUARANTEE CONDITIONS.

NOTE !PLEASE ALLOW ADEQUATE SERVICE ACCESS TO THE SYSTEM COMPO NENTS. THE WARRANTY DOES NOT COVER DEFECTS OR DAMAGE CAUSED BY USER OR OTHER PERSON.

WARRANTY COUPON "A" NO.	
-------------------------	--

DEVICE: **SHIVA steam bath system**

MODEL Shiva 2.6 Shiva 5.2

SERIAL NUMBER

STEAM GENERATOR NO.

SELLER

DATE PURCHASE

Purchased from (stamp and signature)

WARRANTY COUPON "B" NO.	
-------------------------	--

DEVICE: **SHIVA steam bath system**

MODEL Shiva 2.6 Shiva 5.2

SERIAL NUMBER

STEAM GENERATOR NO.

SELLER

DATE PURCHASE

.....
Customer's Full Name

.....
Customer's Address) Customer's Signature



For this warranty to take effect fill out Coupon 'B' and return to RUBENDESIGN.

TECHNICAL CONTROL CERTIFICATE

wype nia RUBEN

1. Quality test

RESULT: POSITIVE

2. Device operation test

RESULT: POSITIVE

.....
Name and Signature of the Employee

3. Electrical connections test - in compliance with PN-IEC-60364-6-61

RESULT: POSITIVE

.....
Name and Signature of the Employee

CONNECTIONS CERTIFICATE: SHIVA SYSTEM

The system has been connected to water and power supply in accordance with the installation instructions and tested for safety - PN-IEC-60364-6-61

.....
Address

.....
Name and Signature of the Employee

RUBEN DESIGN

www.rubendesign.com



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DESIGN

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ASSEMBLY INSTRUCTIONS

Date manufactured	Manufacturer's Stamp and Signature
-------------------	------------------------------------

SHIVA SYSTEM - TECHNICAL SPECIFICATIONS

HYDROMASSAGE SYSTEMS **RUBEN**DESIGN

HAVE SAFETY CERTIFICATES



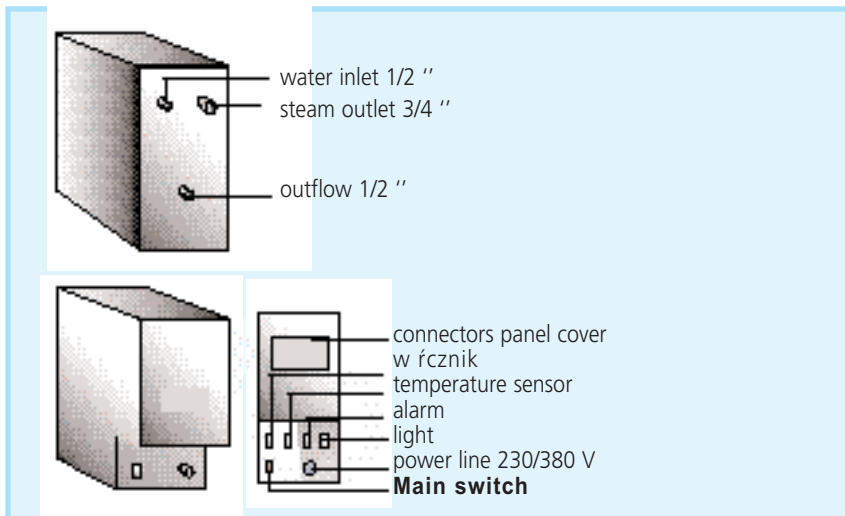
<p>❖ DEVICE</p> <p>❖ MODEL</p> <p>❖ ELECTRICAL PARAMETRES</p>	<p>SHIVA STEAM BATH SYSTEM</p> <p>Shiva 2.6 Shiva 5.2</p> <p>Main power supply: 230 /400 V, 50 Hz, IP rating: IP21 Rated power 2600 W or 5200 W</p> <p>Overload protection - Built-in Thermal Fuse</p> <p>Digital control - RubenDigital</p>	<p>Chromium</p> <p>Halogen lamp 12V/50 W</p>
<p>❖ FINISH COLOUR</p> <p>❖ LIGHT (OPTION)</p> <p>❖ ACCESSORIES</p>	<p>temperature sensor alarm control panel unit</p> <p>steam generator steam head</p> <p>Steam generator dimensions - H: 340 mm, L: 450 mm, W: 170 mm</p>	

GENERAL CONSIDERATIONS

SHIVA is a modern high quality steam generating device. Equipped with splash-tight and temperature resistant control panel, it can be installed both inside and outside bathroom. Automatic cleaning system prevents scale buildup, which guarantees long life of maintenance-free operation.

ADVANTAGES OF SHIVA SYSTEM:

- ✦ Available in two sizes: 2600W i 5200W to match cubic capacity of the bathroom
- ✦ Ease of operation and maintenance
- ✦ Replaceable heaters with overheating protection
- ✦ Automatic drain / flush programme
- ✦ Automatic fill with water level sensor
- ✦ Built-in steam bath temperature measurement displayed on the control panel
- ✦ Bath duration setup
- ✦ Uninterrupted steam generation throughout whole bathing session
- ✦ Easy to install in a wide variety of rooms
- ✦ Efficient automatic cold water flushing system minimising the risk of scale buildup
- ✦ **Safe unpressurised steam generation**



GENERAL CONSIDERATIONS

Steam generator is shipped together with a manual and a warranty card. After opening the case check that all the packed parts match your order and examine the unit for shipping damage.

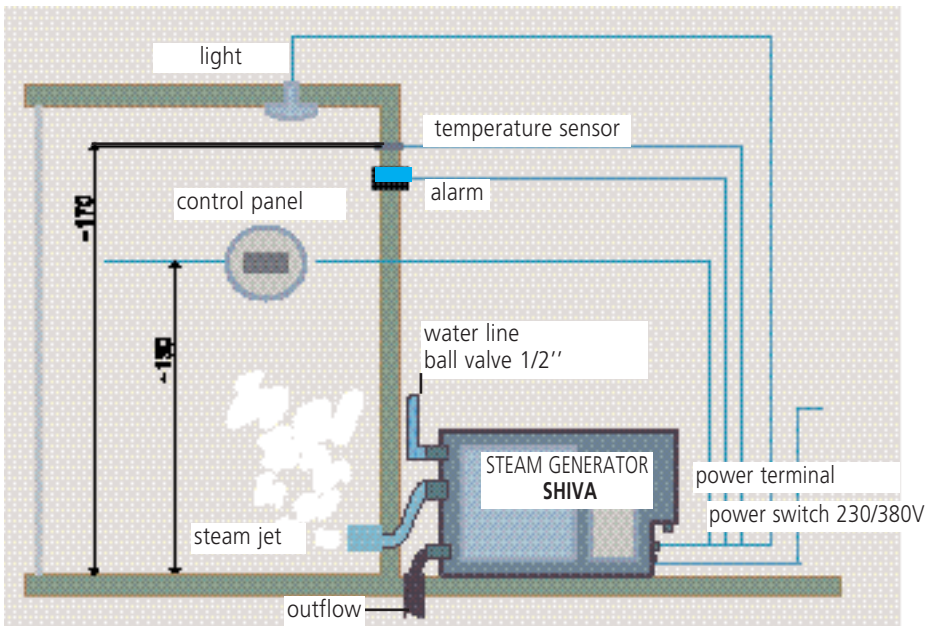
Installation of "Shiva" steam generator ought to be performed by a qualified fitter with previous experience in this kind of work.

All electrical connections must be carried out and approved by a qualified electrician in accordance with all local codes and the national electrical code.

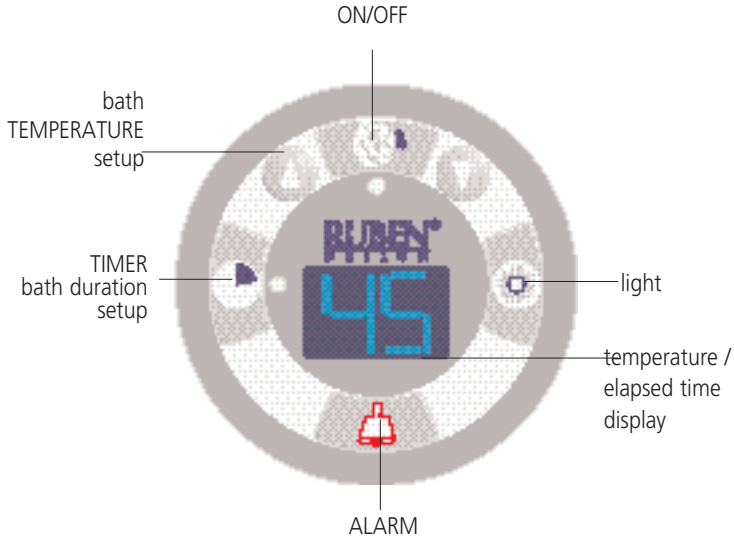
In the parts of this manual to follow we will present norms and installation guidelines that must be obeyed in order to guarantee correct, failure-free and safe functioning of the device after installation.

Installation of "SHIVA" inside steam cabin

FIG. 1 STEAM CABIN SCHEMATIC



CONTROL PANEL FUNCTIONS



SYSTEM INSTALLATION

General precautions:

All electrical and hydraulic connections must be performed by qualified specialists, in compliance with local regulations and technical norms.

4 Allow adequate space all around the unit for assembly and service access.

4 The stem generator must be set up vertically - failing to obey this may cause damage and creates fire hazard..

Space

Ruben Design offers two types of "Shiva" systems differing in the power of the heating elements and the efficiency of steam bath:

"Shiva 2,6" - 2600 W (accommodates rooms up to 2 cubic metres)

"Shiva 5,2" - 5200 W (rooms up to 5 cubic metres)

For bonding and filling of glazed tiles water-resistant assembly glue should be used. We recommend warming the walls with thermoinsulation tiles, e.g. VEDI. You can also use heat mats for the seats, back supports and the floor.

NOTE: While designing the room it should be remembered that glass elements such as walls and doors contribute to heat loss, thus in order to prevent this their surface should be as small as possible. **For this reason we take no responsibility if the maximum possible temperature cannot be reached,**

Steam generator installation and piping

The unit must not be mounted directly inside the steamroom to prevent contact with water or steam.

The Steam Generator should be located as close as possible to the Steam Room. Possible locations include Vanity, Closets etc. where water supply, waste and electricity can easily be connected.

The steam generator is designed to be used only in an upright and level position - it can sit on its base or it can be hung on the wall. The connection between steam outlet and the steam room should be made using a minimum of a 3/4" copper pipe. The pipe **should not exceed 1 m** in length, and it ought to be run slightly upwards or downwards without unnecessary bends and elbows which might degrade steam flow. Condensation should run back into the steam room - if the steam unit is placed above the steamhead, or back into the generator - if the device is below the steam head: it should never remain in the pipes. Use an appropriate pipe insulation rated for a minimum of 100 st. C to eliminate condensation and heat loss.

Steam head assembly

Cut a hole of 55 mm in diameter 30 cm above the floor of the cabin - the steam generator should be right behind the wall. Apply silicone sealant around the PCV fitting to seal it to the wall. Solder the brass slip to the copper pipe 22 mm and connect to the steam generator. In the cabin mount the teflon steam head making sure that steam opening is facing down while aromatherapy opening is facing up. For safety reasons steam head location is very important - do not install it near bench(es) or where steam may spray on the user as this will present a scald hazard or where it might damage delicate components of the steamroom e.g. made of plastic.

Control panel assembly

Digital control panel comes in waterproof casing with 3 m long connecting wires. It is mounted to a wall inside the steam room. Drill a 75 mm hole about 130 cm above the floor. Seal the PCV fitting to the wall with silicone sealant making sure it is centered and the thickness of the wall and tiles has been taken into account. Locate the control wires, pull them out through the hole and plug into the connector on the steam generator paying attention to colour codes. Finally the control panel can be mounted into the PCV fitting.

Temperature sensor assembly

Temperature sensor should be glued on the finished wall into a 8 mm hole made about 170 cm above the floor. Pull the wire out through the hole and plug into the connector on the steam generator according to the diagram.

Alarm assembly

The alarm should be installed outside the cabin e.g. near the door and connected to the steam generator according to the diagram.

Halogen light installation

Halogen lamps 12V/50W for use in bathrooms is easily available in shops with electrical equipment. However, for safe use in moist rooms such lighting must be waterproof and have suitable transformer. After installing in the shower cabin the wires are connected to the steam generator according to the diagram.

CONNECTIONS**DRAIN AND WATER SUPPLY CONNECTIONS**

Use copper pipe fi 15 mm or flexible hose fi 1/2" with protective cover equipped with a sieve filter. The water supply pipe should be connected to cold supply - this is necessary for proper operation of flush system preventing formation of a deposit or scale. Required input water pressure is 0.5-6 bar. To insure unrestricted and smooth water flow it is recommended to check the water filter and remove dirt from the sieve at least every 6 months. Drain access located on the generator tank should be connected to a copper drain line with a hose or, when possible, it can be placed immediately above the floor outflow.

AUTOMATIC FLUSHING/DRAIN SYSTEM

"Shiva" system is equipped with automatic flushing programme launched immediately after bathing is finished or when the system is stopped. Automatic flushing will improve the service life of your steam generator by reducing the formation of scale on the heater element(s) and the generator's interior walls.

The complete flushing cycle comprises:

- removal of remaining water
- re-filling with cold water,
- flushing,
- emptying the tank
- system turning off.

ELECTRICAL CONNECTIONS

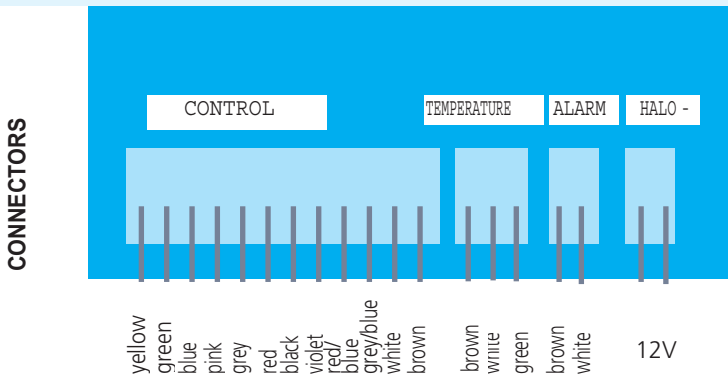


Fig. 3

1. All wiring must be installed by a licenced electrical contractor in accordance with local and national codes.

2. Power supply 230/400 V, 50 Hz (TN-S)

a) **One phase steam generator with 2600 W heater** should be protected by a circuit breaker 16 A and RCD - $I_n = 25$ A and $I_{\Delta n} = 30$ mA. Connection of the device to the distribution board should be made with $3 \times 2,5$ mm² or 3×4 mm² wiring.

b) **Wytwornic' trójfazowa z dwiema grzałkami o mocy 5200 W** should be protected by three phase circuit breaker 3×16 A and a three phase RCD - $I_n = 3 \times 25$ A and $I_{\Delta n} = 30$ mA. Connection of the device to the distribution board should be made with $5 \times 2,5$ mm² or 5×4 mm² wiring. Each heating element is connected to a separate phase.

c) The electrical circuit requires a mains switch to disconnect the device in emergencies, while servicing or when the device is not used. The switch should be located in an easy-to-access place.

Important! During maintenance or service work power supply must be disconnected.

3. The mains switch should be located outside the steamroom, however, it should be easily accessible in an emergency situation.

Once the piping and electrical connections are complete other components can be connected. These include: alarm, temperature sensor, steam head and (optionally) halogen lamp. Attention must be paid to corresponding colour markings as shown in Fig. 3. Remove the cover from the device and run the wires through the holes in the connectors panel.

STEAM BATH

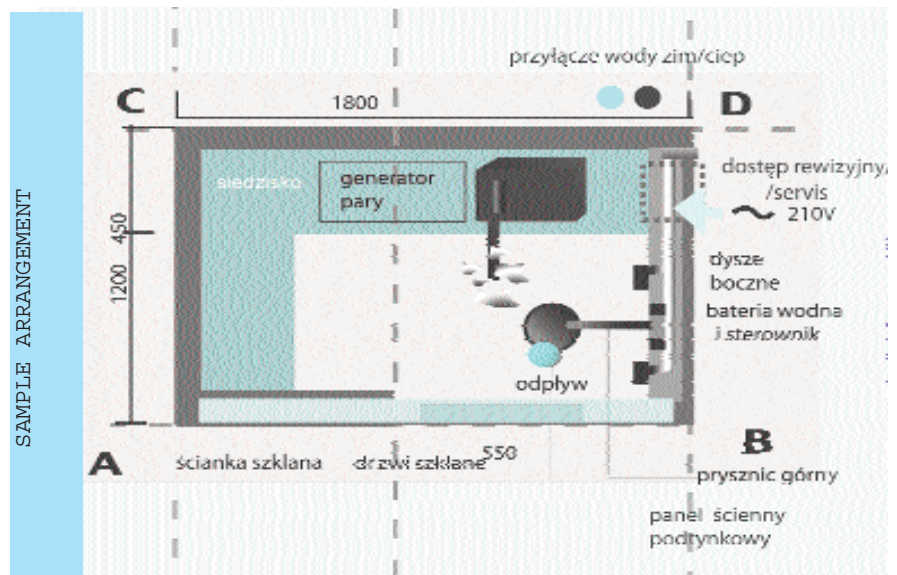
The idea of steam bath has been known for centuries. In ancient Greece and Rome its value was appreciated for the benefits it has on beautiful and healthy body. Also known as "Turkish bath" it is characterised by high ambient humidity (ca. 90%) with a relatively low temperature of the bath itself (approx. 38-46 oC). It is often compared to sauna, however this comparison is not quite accurate since the latter produces hotter and drier conditions not suitable or recommendable for everyone. Steam bath, on the other hand, with its moderate temperature and high moist content allows much more enjoyable relaxation - the advantages to be appreciated by those who value good health and appearance.

Steam bath is known for its therapeutic properties. Its efficiency has been proved in the treatment of numerous health conditions such as: respiratory problems, rheumatic illnesses, muscle and joint pains. It has a relaxing effect on the muscles, thus being a good preparation for body massage.

Regular application of steam baths tempers the body and boosts overall immunity against viral and bacterial infections.

Don't overdo your first bathing sessions. Start with maximum 10-minute baths, then you can prolong them gradually until they reach 30 minutes.

ALTHOUGH STEAMBATHS ARE GENERALLY CONSIDERED HEALTHY TO USE, PEOPLE SUFFERING FROM HEART DISEASE, HIGH BLOOD PRESSURE, DIABETES, PREGNANT WOMEN AND THE ELDERLY WHO ARE NOT IN GOOD HEALTH SHOULD NOT TAKE A STEAMBATH UNLESS OTHERWISE DIRECTED BY A PHYSICIAN. PLEASE CONSULT WITH YOUR DOCTOR IF YOU HAVE ANY QUESTIONS PERTAINING TO HEALTH..



AROMATIC BATH

Aromatic baths are an ideal supplement of water and steam baths.

Although use of essential aromatic oils dates back to ancient times, it is today that we have enough scientific proof of their benefits. There exists enough data to let us draw a conclusion that addition of these natural substances enhances positive therapeutic effects of baths on both mind and body.

The healing action of aromatherapy depends on the herbs used. Here are but a few: **LAVENDER** cleanses respiratory tract, opens skin pores, lowers blood pressure; it has antiseptic and pain relieving properties.

EUCALYPTUS: improves the condition of the respiratory tract. Also beneficial for common colds, fever, painful rheumatoid conditions and blood purification.

PINE OIL: acts as antiseptic for respiratory and urinary tracts, strengthens the liver, provides energy but also enhances relaxation.

ROSE: has relaxing and blood purifying properties.

CHAMOMILE: anti-inflammatory and anispastic, recommended for skin problems and hard-healing wounds.

ATTENTION!

Consult your doctor before starting any of our therapy programmes



