

Himalayan Salis – Salt Room`s & Sauna Conversions



Salis is the first salt room, composed of a series of modules that can be combined to produce salt rooms as requested by clients, respecting their needs for space and easily creating a self-standing structure, functional and of great impact.

The simple and intuitive control panel allows the environment to be programmed with the desired temperature and humidity level and changed with a few easy movements. *Music, chromotherapy* and *aromas* complete the fantastic wellness offer to be found inside **Salis**.

Salt rooms are used for *halotherapy treatments*. More commonly known as “*salt therapy*”, halotherapy is a totally natural method based on microparticles of crystalline salt nebulized in the atmosphere, which with their anti-bacterial and anti-inflammatory action are able to reinforce the immune system and eliminate muscular tension and stress.

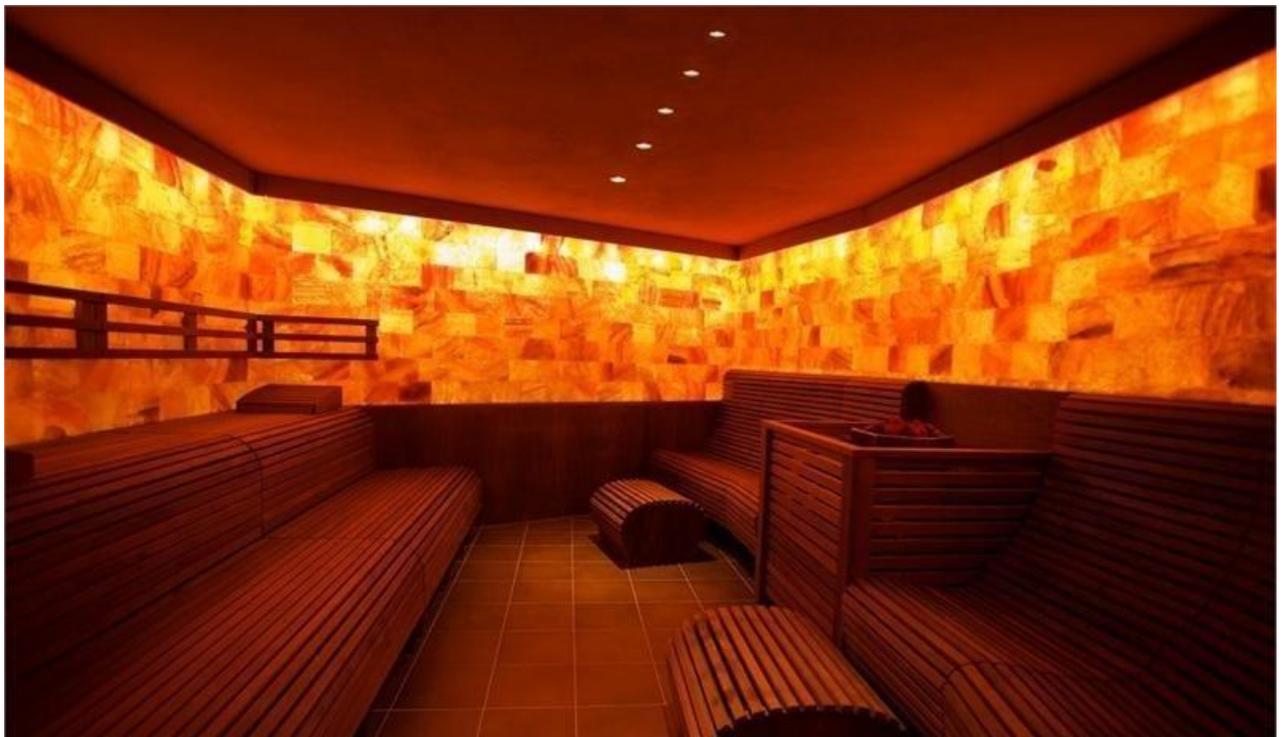
Characteristics of salt rooms

Salis is a modular room in which every module has a specific functional characteristic, allowing the final construction of the space in which it is positioned to be totally personalized.

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Nebulization of saline solution

This function, controlled by commands on the keypad, allows the introduction of the hypertonic saline solution into the room to be regulated and programmed, creating a pure microclimate with temperature and humidity kept at constant levels. The saline solution is generated by an ultrasound nebulizer. Humidity levels are maintained by an internal sensor, connected to the electronic control system. At the end of every session the extraction system for the air inside the room is automatically activated, regenerating the environment.



Ambient temperature

This function, controlled by commands on the keypad, makes it possible to regulate the temperature inside **Salis** automatically and constantly. An ambient temperature sensor guarantees that the desired settings are maintained.

Aroma diffuser

This function, controlled by commands on the keypad and on the electronic diffuser, makes it possible to turn an electronic aroma diffusion system on or off during the nebulization phase.

MP3

Inside Salis it is possible to play back personalized pieces of music that have been previously memorized on a multimedia memory card (SD), to accompany treatments. Some specific files memorized on the SD card are configured (name, type of music and duration) in a way that matches them to specific chromotherapy cycles, so that a particular piece of music corresponds to a specific colour cycle. This function is made possible by the presence of an SD card reader. The music is played back through two loudspeakers located on the ceiling of the room.



Chromotherapy

Salis features the use of programmed coloured light cycles, to be applied independently or combined with other functions. The chromotherapy function is applied by *RGB LED lights* positioned both on the rear of each column of salt blocks and on two horizontal supports that light the ceiling on walls without salt blocks. The various colour cycles can be combined with dedicated pieces of music.

Benefits

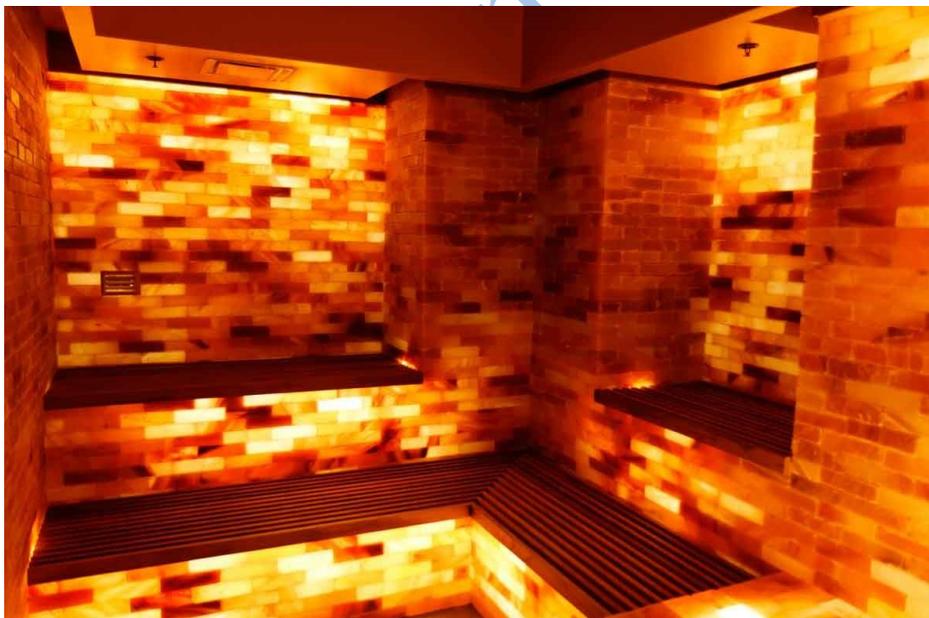
The benefits that the use of a salt room can give are described in many scientific articles dealing with the subject.

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The beneficial properties of salt create a microclimate kept at constant levels of temperature and humidity. Users can enter the salt room partially clothed, and are able to relax, also enjoying the pleasantly calming effects of *chromotherapy* and *music*. Even children can benefit from sessions in **Salis**, because the environment created reminds them of the beach. These treatments are therefore suitable for both adults and children, given that they have no contraindications.

The **benefits** can be summarized as follows:

- Lower tendency to catch colds and influenza;
- Relief from dermatitis and psoriasis;
- Increased pulmonary capacity;
- Reduction of coughs even for smokers;
- Greater utilization of vitamins B and C;
- Relief from several types of allergy and hay fever;
- Relief from migraine;
- Beneficial effects for the nose and respiratory tract;
- Relief from sore throats and bronchial coughs;
- Reduction of the intensity of asthma attacks;
- Reinforcement of the immune system;
- Normalization of hormonal imbalances;
- Improvements in sleep and relaxation;
- More effective functioning of the entire organism



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"From Concept To Completion"

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Nebulization of saline solution

The saline solution is nebulized by an ultrasound nebulizer capable of transforming water molecules into tiny particles that create a mist effect, leaving all the beneficial properties of the saline solution suspended in the air.

The saline solution is a mixture of purified water in which highly refined sodium chloride (NaCl) is dissolved. Salt concentrations vary according to the type of solution created and the type of treatment.

In its **SALIS salt rooms**, **I.SO Italia** recommends the use of a hypertonic saline solution with a concentration of 3–4% for halotherapy treatments, with a nebulization percentage of about 50% and an ambient temperature of 27–30°C.

Halotherapy (“halos” in Greek means “salt”) is a natural (non-medical) therapy that consists in the administration by inhalation of sodium chloride in a saline solution, produced by a special nebulizer and inhaled inside an enclosed space – a salt room – in which there are walls composed of salt blocks that simulate the microclimate of a salt cave or grotto.



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Inhalation of nebulization:

In the **SALIS salt room**, the microclimate maintains a nebulization percentage of 50% and a stable temperature of around 27–30°C, parameters that can be set with different values in case of personalized treatments.

The environment gives the inhaled air an extremely low bacterial content. These parameters ensure favourable and comfortable conditions for the users being treated. Research studies in the sector show that the ideal treatment cycle is 15–20 sessions, lasting from 30 to 40 minutes and applied two or three times weekly. The benefits obtained can last for several months after treatment sessions. Repetition of treatment cycles is recommended every 6 months.

Halotherapy must not be considered to be an alternative to pharmacological treatments prescribed for chronic diseases. Given its characteristics, it is entirely natural and is intended as a complementary treatment for many ailments, and for the benefits it gives it can be recommended. With halotherapy, 30–40 minutes of treatment are sufficient to simulate three days by the sea, where natural marine inhalation is possible.



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Technical information:

Dimensions:

Door opening: 75X215X1 CM

Salt wall: 100X222X12.5 CM (SALIS has three salt walls)

Heating radiator: 1200X800X12mm

Nebulizer cabinet: 900X600X270mm

Overall dimensions: 2,22x2,22x2,36 Mt

Weight: 1350 Kg ~

Nebulizer

***quantity of water:** 15 litres ~

water consumption (when operating): 2 litres /hour ~

water temperature: 5 ÷ 40°C

* Correct operation of the nebulizer is guaranteed by the use of potable water

Air generated

Hot air expelled: 200 m³/hour approx

Temperature delta: 18°C Salis room

No. of expulsion hoses Diameter/length: No. 1 flexible hose/10 cm/4 metres

Quality of expelled air

The air expelled may contain a saline component at a higher temperature, and therefore the expulsion outlet location must be suitably chosen to avoid situations of slight corrosion or oxidation.

Noise emissions

Average noise emission: 46 dB ~

IP rating

Protection against liquids: IPO

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“Salt Room” electrical characteristics

Module	Nominal power rating (W)	Nominal voltage (V)	Nominal current (A)
No. 1 Salt wall (100x222x12.5 cm)	100W	230Vac	0,5A
No. 1 Heating radiator (1200x800x12 mm)	900W	230Vac	4,0A
No.1 Nebulizer (550x283x229 mm)	Max. 120W	230V/50HZ - 120V/60HZ	= 4,5A
*Salt room control system	70W	230V	

NB* The control system means the part regarding the electrical and electronic control of the room, in addition to the electrical components listed in the previous chart. Main electrical components

Principals electronic component

Heating radiator (1200x800x12 mm)	900W 230Vac 50Hz IP44
Transformer	120W 220V/24V
Controller	144W 12Vdc out 3x5A
Nebulizer	INPUT: 230V/50HZ O 120V/60HZ 7,6A OUTPUT:AC36V300W



Electromagnetic fields

Model	Maximum weighted value measured	Maximum limit established (CEI EN 62233)	
SALT ROOM	0,07	1	CONFORME

Himalayan Salt Rooms

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