

HaloCompact-01

Halogenerator for spa, wellness, and home



The HaloCompact-01 is a compact desktop or wall mounted dry salt aerosol generator (halogenerator) that produces an active dry salt aerosol (DSA) and injects it into a salt room. The results created by the HaloCompact-01 replicate the hygienic and restorative atmosphere found in natural salt caves or seacoast air on a dry, breezy day.

Consistent, Reliable Quality

HaloCompact-01 is a result of Halomed's 25 years of extensive product research, development, and manufacturing, which has resulted in the creation of reliable and effective devices, which authentically mimic natural microclimates.

Easy-To-Install, Operate and Maintain

HaloCompact does not require any special skills to install or start up. The generator and DSA sensor can be placed on any a flat surface, such as a desk or tabletop, or it can be wall mounted. Simple and user-friendly interface means that the HaloCompact-01 is easy to operate.

With minimal maintenance, the device operates virtually clog free. With routine cleaning, a simple procedure that takes just a few minutes a day, HaloCompact-01 owners will enjoy the generator's consistent, quality performance.

Real-Time Controlled Salt Room Atmosphere

It is a big challenge to keep DSA concentration consistent in the salt room during sessions. That is because aerosol is influenced by many factors: the size of salt granules fed into the generator, moisture in the salt particles, air pipe conditions, salt room ambient humidity and temperature, as well as the actual rate of air circulation. Halomed's device controls aerosol concentration in the salt room and provides confirmation of salt room conditions in real-time on a front-panel monitor on request.

How the HaloCompact-01 works

The process starts in the device's salt grinder, which breaks the salt grains into micronized particles. After micronization, the salt moves into the separator, where smaller salt particles are separated from the larger articles. A dry, fine aerosol is delivered into the salt room by a fan.

Halomed's specialized optical-electronic DSA sensor, located in the salt room, measures DSA concentration levels and transmits data to the controller of halogenerator, which compares and adjusts current aerosol concentration with preset data by automatically controlling the on/off signal for the grinder and fan. With a consistently sustained concentration of the active DSA and negative air ions, the salt room's environment provides the benefits of natural microclimates.

Features of HaloCompact-01

Dry salt aerosol concentration control	DSA concentration control with optic-electronic sensor in salt room
High reliability	Stainless steel in all exposed metal parts Free of dead zones in air pipes Use of the most durable components
Easy-to-install	Desktop or wall mounted in salt room Self-installation
Easy-to-maintain	Easy access to all parts requiring maintenance: <ul style="list-style-type: none"> • Wireless grinder-power supply • Grinder is fixed with magnetic locks
Easy-to-operate	Simple, user-friendly interface
Low salt consumption	14±1 ml per session
Low power consumption	In operating mode: <ul style="list-style-type: none"> • Working grinder: max 25W • Idle grinder: 10W
Safety system	<ul style="list-style-type: none"> • Operability test of DSA • Salt overload control • Control of grinder fixation • Wireless grinder power-supply system • Indicators and buzzers
Lightweight	Weight: 3 kg incl. DSA sensor
Compact device size	Device measures: 150 mm x 400 mm x 200 mm DSA sensor: 200 mm x 110 mm x 90 mm
Manufacturer's warranty	2 years

The device is designed for use with salt that complies with the following requirements:

- Salt should have at least 80% (by volume) of particles with a size up to 0.8 mm
- Salt should not contain aggregated particles larger than 1.5 mm in size
- Salt complying with Ph.Eur. 7.0/8.0 is preferred
- Do not use iodized salt, "Dead Sea" salts, or salt enriched with magnesium

Dry aerosol generation is the most effective in the following conditions:

- In humidity up to 60%
- Sodium chloride preparation loading: 14±1 ml
- Rate of air circulation in the salt room must conform to the local minimal allowable rate
- Routine device and DSA sensor cleaning

Specifications

- Average DSA concentration adjustment range: 1-20 mg/m³ *
- Size of aerosol particles in salt room: ≤ 5 micrometers for 80% of generated aerosol particles
- Minimum volume of salt room: 6 m³
- Maximum volume of salt room: 30 m³ **
- Operating voltage: 24V DC

- Operating mode: iterative short-time cyclic
- Salt loading: manual
- Power consumption in operating mode at
 - Working grinder: max 25 W
 - Idle grinder: 10 W
- Measurements:
 - Device: 150 mm x 400 mm x 200 mm
 - DSA sensor: 200 mm x 110 mm x 90 mm
- Weight (device with DSA sensor): 3.0 kg
- Desktop or wall mounted generator and DSA sensor
- Supplied accessory:
 - AC adaptor: 100 – 240V, 50-60 Hz
- External environment:
 - Indoor use
 - Temperature: from 10 to 29°C
 - Relative humidity: up to 80% at 25°C
 - Atmospheric pressure: from 630 to 800 mm Hg (from 84 to 106.7 kPa)

* (1) The average DSA concentration in the salt room achieves the specified level within 2 – 10 minutes from the start of the session.

(2) The average DSA concentration is measured in conditions that comply with manufacture's specification.

(3) The average DSA concentration may be influenced by the salt room's volume, rate of air circulation and other factors, so it may differ from specified values in actual practice.

** Maximum volume of the salt room is the volume of the salt room that enables sessions to have an average DSA concentration within the range of 1 to at least 10 mg/m³.

Standard packaging set contains:

- Halogenerator HaloCompact-01
- Detector of dry salt aerosol concentration (DAC) with cable (0.65 m)
- Wall-mounting kits for HaloCompact-01 and DAC
- Power supply unit (100-240V – 24V)
- Measuring cup for pharmaceutical salt
- Cleaning kit
- Operating and installation instructions
- Declaration of conformity issued by Halomed
- CE-certificate issued by notified body

Color Options

HaloCompact-01 halogenerator is available in 2 colors: blue or white. Sensor of DSA concentration is supplied in white only.



Firmware Options

1. **8 pre-installed session parameters** to choose from:

Name of the program	Avg. DSA concentration, mg/m ³	Session time, minutes	Description of the program
HaloBreeze 1	2	25	This program replicates a short stay on the coast at a slight sea breeze on a dry, sunny day.
HaloBreeze 2	2	50	This program replicates a long stay on the coast at a slight sea breeze on a dry, sunny day.
HaloClean 1	4	25	This program replicates a short stay in the atmosphere of natural salt cave with a low DSA content.
HaloClean 2	4	50	This program replicates a long stay in the atmosphere of natural salt cave with a low DSA content.
HaloClean 3	6	25	This program replicates a short stay in the atmosphere of natural salt cave with a moderate DSA content.
HaloClean 4	6	50	This program replicates a long stay in the atmosphere of natural salt cave with a moderate DSA content.
HaloBeauty 1	8	10	This program replicates a very short stay in the atmosphere of natural salt cave with a medium DSA content.
HaloBeauty 2	8	20	This program replicates a short stay in the atmosphere of natural salt cave with a medium DSA content.

2. Possibility to perform fine adjustments within the given range of DSA concentrations and session durations from **1 to 20 mg/m³** with 1 mg/m³ step and from **1 to 99 minutes** with 1 minute step respectively.

Compliance with EC standards

This product is manufactured in compliance with the requirements of the following EEC Directives: Electromagnetic compatibility (EEC Directive 93/68/EEC and EEC Directive 89/336/EEC); Low-voltage installation (Directive EEC 73/23/EEC and Directive 93/68/EEC).

Patent Information

Canadian patent # 2,775,686. U.S. patent pending.

Manufacturer

“Halomed” UAB, Savanoriu pr. 65A, LT-03149 Vilnius, Lithuania

Disclaimer

This device is not intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease, in humans or animals.

This device produces and disperses dry sodium chloride (salt) aerosol. Dry salt aerosol can penetrate unprotected electronic, electrical, electromechanical, and mechanical devices and systems, and salt residuals can accumulate on their external and internal surfaces. Salt accumulates on floors, walls, and ceilings and in the HVAC systems of premises where halogenerators are used. When wet, salt is corrosive to unprotected metals and is electrically conductive.

Because Halomed is committed to continuous design and performance improvement, specifications noted above may be changed by manufacturer without prior notice.



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