



## SOLDOS SL-V3

### FUNCTION DESCRIPTION

Nebulisation system for brine solution to create a salty sea climate in dry rooms. The SOLDOS-SL sprays a very fine nebulised, sterile brine solution into dry rooms. After a short time you get a salty sea climate in the room. The brine solution is primed out of an air-sealed bag (Politainer), which prevents the contamination of the brine solution with germs from the ambient air. Then the brine is pressed by a peristaltic pump through a two-component jet nozzle where it is mixed with compressed air and nebulised. Furthermore a disinfection system is integrated. Operation via 3,2" full colour Touch display with a multitude of possibilities:

- Operation modes: cyclic-, clock timer- and external control
- Week-program for the definition of the individual operation times per day
- Combination of the salt spray with light and sound effects
- Empty switch for a switch-off of the system when brine will get empty
- Day counter for the indication of a possible necessary disinfection and visual description of this procedure
- Definition of several authorisation levels. Each level allows different settings

### SCOPE OF DELIVERY

- Controller with 3,2" Touch installed in housing
- Peristaltic pump SA with rpm control for the adjustment of the dosing quantity / salt concentration
- Water separator
- Mounting board with console for brine bag
- Solenoid piston compressor (standing on the floor)
- Two-component jet nozzle stainless steel V4A with cover screen, mounting sleeve, 5 m air tube PE and 5 m brine tube PTFE
- Disinfection set with disinfection tab, mixing bottle and recipient
- 5 kg sterile brine solution in brine bag (resp. 1 kg for private use)
- Design cover

### TO BE PROVIDED BY THE BUILDER

- Plants room for the installation of system
- Power socket 230 V, 50 Hz



Nozzle with mounting sleeve



Compressor



### TECHNICAL DATA

Area of application	Tepidariums, Saunas, Salt Rooms with a floor space of app. 35 m <sup>2</sup> (depending on air exchange rate)
Electrical supply	230 V-AC, 50 Hz
Power supply	455 W
Dimensions (W/H/D)	470 x 710 x 240 mm
Dimensions compressor (W/H/D)	240 x 250 x 160 mm
Empty Weight / Operational Weight	app. 20 kg / 25 kg
Noise emission in the plants room	80 dB(A)
Noise emission in one meter distance to the nozzle	70 dB(A)
Temperature range	+10 to +35 °C
Protection class	IP44
Brine consumption at app. 10 h operation/day (system settings 10 min. pause/10 sec. dosing)	app. 1 kg / day

### POINTS TO BE CONSIDERED BEFORE THE INSTALLATION:

- Before the installation of a SOLDOS all materials have to be checked on their corrosion resistance against the saline mixture of water and air both in the adequate room and additionally in the ventilation pipework
- The SOLDOS is not licensed for medical purpose
- Use only pure, disinfected WDT brine solution with a salt concentration of app. 5 %. WDT brine solution is delivered in a sterile condition in a closed bag. Outstanding brine solution is affected by bacterial impact and so should not be used

### ACCESSORIES / OPTIONS

- Push button plate with in-wall box for flush mounting
- 2<sup>nd</sup> pump and nozzle for cabinets with a bigger surface square as 35 m<sup>2</sup>
- Illumination
- MP3 player and speakers
- Nozzle cover screen in stainless steel