



BEFORE YOU DECIDE OR BEGIN

(Checklist for the usage of an EBCeasys1 or EBCeasys2 - see the Manual EBCeasys for full details)

- ☐ The showcase (or other "container") that shall be conditioned has to be made "climate ready": air tight and made of steam tight materials.
- ☐ All silicone on the showcase will have to be fully hardened before the EBCeasys1/2 is put into operation: Degassing silicone may have a destructive effect on the membrane inside the EBCeasys1/2.
- ☐ No additional chemical substances should be present in the showcase air - especially repellents and anti-rust agents, as such gases, too, could cause problems to the membrane.
- ☐ In case of doubts with respect to chemical reactions caused by the membrane we recommend to use our standard humidity controllers (EBC10/11/12 which use Peltier technology) instead of EBCeasys1/2.
- ☐ The EBCeasys has to be positioned outside the conditioned part of the showcase (like in the plinth), it has to be installed horizontally and firm.
- ☐ The EBCeasys has to be able to emit its self-produced heat: edge distances of 10mm have to be kept from all air slits/grills, any blocking of the air slits/grills has to be avoided.
- ☐ The EBCeasys's place of installation has to be aired (by means of cooling holes¹ or fans, if necessary), so that the temperature around the EBCeasys will be kept low, and in order to enable the EBCeasys to exchange humidity with the environment (minor and filtered air exchange).

Note: The performance of the EBCeasys also depends on the humidity of its environment, as a high difference of the humidity inside and outside of the showcase can cause diffusion of humidity through the membrane. If this can be problematic for your application, we recommend to use our standard humidity controllers (EBC10/11/12 which use Peltier technology) instead of EBCeasys1/2.

- ☐ The EBCeasys has to be installed in a way so that all required maintenance works can be carried out (cleaning of the air slits & grills, changing of filters, using the menu buttons and viewing the display, deinstallation for service/repair,...).
- ☐ The RH/T sensor has to be placed inside the showcase, being exposed to the same temperature and humidity as the exhibit itself (beware of light installations/sunlight pointing directly at the sensor etc.). The RH/T sensor must not be placed near the hosepipe fitting where the air streams into the showcase.
- ☐ The positions of the hosepipe fittings on the showcase wall and the inner construction of the showcase have to ensure that the air inside the showcase will stream over the whole volume, avoiding shortcuts between air inlet and outlet.
- ☐ The hosepipes should not be laid close to heat-emitting installations (like parts of any light installations, mains supply units, etc.).
- ☐ The hosepipes should be held as short as possible and they should be laid in as few bends and turns as possible. They should further not be laid in loops where condensate might accumulate over time, eventually blocking the air stream (syphon effect).
- ☐ Those EBCeasys needed for installations with increased air resistances (long pipes, use of filters etc.) have to be ordered and built for that purpose, or they require additional fans which are integrated into the pipe system.
- ☐ All installations on the showcase walls have to be carried out air tight (i.e. the lead through of the sensor cable, third party installations etc.).
- ☐ Mind the max. voltage/ampereage of 48V/4A when using the EBCeasys's potential-free switchover contacts for the external display of its on-off and alarm status.
- ☐ Mind that using the EBCeasys along to third party humidity and/or temperature control on the same case might lead to a malfunctioning overall system.
- ☐ Please take your time and read all relevant sections of the delivered manuals before you start.
- ☐ Mind that any EBCeasys needs a regular service in our workshop at intervals of about three years.
- ☐ Mind that the RH/T-sensor has a long-term drift of <0,25%RH/year and has to be replaced, if necessary, or its reading has to be compensated by means of the adjustable measurement correction within the EBC.

¹ Recommended sizes and positions for the ventilation holes: 2x10cm² per EBCeasys; top & bottom panel of the plinth and/or both side panels of it.



miniClima Schönbauer GmbH

Brunner Str. 21b, 2700 WIENER NEUSTADT, AUSTRIA, EU

Tel. | Phone: +43 2622 24964, +43 6991 24964 01, Voicemail: +43 6993 24964 01, Fax: +43 2622 24964 15, E-Mail: office@miniclimate.com

www.miniclimate.com, twitter.com/miniclimate

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☐ Please don't hesitate to get in touch if you have any other questions.