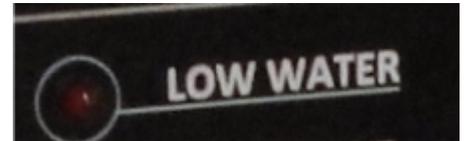


Pump

For proper installation, please refer to Installation Manual. Improper installation can adversely affect the ability of the mini one to provide desired humidity levels. Proper ventilation and location of air distribution hoses and outputs must be as specified!

1. Filling Internal Reservoir

A minimal amount of water must be maintained at all times in the microclimate generator's treatment tank for optimum performance. During normal operation, water is transferred from the reservoir, to the treatment tank. The "low water" alarm will indicate that water is needed in the reservoir. The reservoir may be filled at any time. Note that the unit will continue to operate with an empty reservoir until the water in the treatment tank is exhausted.



You will need a funnel with hose (supplied), a cloth to deal with spills and overflow, and about two liters of distilled or de ionized water (do not use tap water).



Turn the unit on. Attach a hose to the WATER FILL port and slowly add water through the funnel.

You will hear the internal pump transfer the water to the treatment chamber, and you will see the water level change on LED water level indicator. Stop when water reaches the "FULL" indicator. (do not overfill) Excess water will flow back through OVERFLOW located below WATER FILL connector.



It is not necessary to keep the reservoir "topped up". With some experience you will learn to fill only as needed. This may vary from season to season with ambient humidities.

2. Overflow port.

As the unit removes moisture from the air, the resulting condensate water will be deposited in the treatment tank reservoir. Condensate removed when the mini one is in dehumidifying mode will drip from the unit at the overflow port.

You may collect this condensate in a container, or simply allow it to evaporate from a shallow tray.

In most cases, a tray will allow all condensate to evaporate away with no need for draining the condensate pan.

You may extend the overflow port with a very short hose (less than 2 inches / 5 cm) to place the end in a more convenient location. The hose outlet should remain at the same level (or lower) as the overflow port.

3. Adjusting RH level

Five buttons on the right of the display can be use for adjusting main parameters of the machine.

Shows actual RH value measured by machine sensor

RH-measured humidity-read only

Normally display shows RH level inside the display case measured by machine RH sensor.

Target RH value.

SET-target humidity

To set target RH level, push bottom/left button (SET). Display shows target RH and SET LED is turned on. Using top and bottom right buttons, set proper value and press SET button again.

Value offset for OUT OF RANGE ALARM.

ALA-out of range alarm

Alarm will be trigered when

RH>(SET+ALA)

and/or when

RH<(SET-ALA)

To set allowable range for RH, press ALA button (center) and using top and bottom right buttons, set proper value and press ALA button again. For example, if ALA parameter is set to 5 and target RH is 50%, alarm will be triggered when Rh inside the controlled case drops below 45% or exceeds 55%.

Important: the factory alarm setting is 5% above or below target rh. setting this value at less than 5% is not recommended. Note that setting lower alarm limits will not affect unit accuracy, this settings is for alarm function only!

Please consult Programming Manual for more detailed information about programming Mini One controller.

4. Using data logger.



Mini One is equipped with a built in data logger which logs RH levels measured by the machine inside the controlled display case.

By default, the data logger is set to write measurements every 1 minute. This as well as date and time parameters, can be changed by setting the on-board parameters "LOG" and "dt". See programming manual for detailed instructions.

The data logger function stores data on a typical SD card in a standard CSV file (which can be read in Excel, any other software able to read CSV, or in own Preservatech software).

5. Draining machine.



Before moving/shipping previously used machine, all water contained in the machine must be drained.

To drain, unscrew both drain fittings using an Allen key (size 5/32). When water stops flowing out, raise the back of the machine and wait until the rest of the water flows out of the machine. To make sure machine is fully drained. After finishing draining, replace screws back into the fittings.