OPTICLIMATE REVOMAXII - INSTALLATION CHECKLIST

OPEN TAP & BASIC CONTROL

Fundamentals

- ☐ 1. All components have been installed as instructed in the manuals and/or video's
- ☐ 2. Waterflow, a suitable piping diameter is used. More bends means bigger diameter. Always prefer the shortest route with the least amount of bends
- ☐ 3. Airflow, The RevomaxII has sufficient room for air intake on the backside when used without plenumbox

When in closed loop with water cooler:

- ☐ 4. Airflow, the water cooler is placed outside in shade with enough room for airflow, 3 meters uninterrupted, up to 50 meters of discharge

Water

- ☐ 5. The RevomaxII is installed with a little slope backwards to enable condensation drainage output
- ☐ 6. The direction of the waterflow is correct
- ☐ 7. A P-trap is installed at the condensation run-off, water is drained with correct slope
- ☐ 8. All piping is checked on leaks

When in closed loop with water cooler:

- ☐ 9. Air bleeder is installed on highest point
- ☐ 10. Air Separator in installed directly on the water pump's intake

Air

- ☐ 11. An air distribution hose is installed (RevomaxII outtake), note the outtake in m3/hr to calculatue intake with plenumbox
- ☐ 12. When using a plenumbox, intake capacity is minimal twice the outtake

Sensors

- ☐ 13. RH/Light Sensor is installed above the canopy
- ☐ 14. Temperature sensor is placed in the shade above the crop (weather housing/canopy)
- ☐ 15. Original cabling is used for all components

When in closed loop with water cooler:

- ☐ 16. The manometers are installed in the correct logical location in the loop

Electronics

- ☐ 17. The RevomaxII is connected with the correct open end powercable with the right diameter
- ☐ 18. An MCB Miniature Circuit Breaker and RCD-B Residual Current Device Type B is installed

When in closed loop with water cooler:

- ☐ 19. Start Sensor is installed and connected to the controll hardware
- ☐ 20. Smartbox Connections on the Smartbox are connected in the correct port
- ☐ 21. Check if the delta settings on the Smartbox are set to 32 degrees Celcius

First use

- ☐ 22. Do a cooling test. Heat the room to force the RevomaxII into cooling mode
- ☐ 23. The first use settings are set on the Smart Remote Controller
- ☐ 24. The system is updated with the lasted firmware

When in closed loop with water cooler:

- ☐ 25. The Smart Remote Controller is correctly installed and set to water cooler mode
- ☐ 26. Sufficient glycol is in the watermix to account for below zero temperatures
- ☐ 27. Operating Pressure is at least 1 bar

Functional check

- ☐ 28. The temperature displays correctly and the system responds to changes
- ☐ 29. The humidity displays correctly and the system responds to changes
- ☐ 30. The light level percentage displays correctly and the system responds to changes
- ☐ 31. 48 hour testrun is executed without errors with a period in max capacity

When in closed loop with water cooler:

- ☐ 32. The pressure stable around 1 bar during operation, never dropping below 0.5 bar

KNOWLEDGEBASE

https://www.opticlimate.com/nl/knowledge-base/

Scan the QR-code to go to our online knowledge base for the latest manuals and information

or

Visit us at www.aurluxtechnologies.com