

# OPTICLIMATE REVOMAXII - INSTALLATION CHECKLIST

## OPEN TAP & BASIC CONTROL

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### 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
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### 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 is installed directly on the water pump's intake
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### Air

- 11. An air distribution hose is installed (RevomaxII outtake), note the outtake in m<sup>3</sup>/hr to calculate intake with plenumbox
  - 12. When using a plenumbox, intake capacity is minimal twice the outtake
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### 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
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### 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 control 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 Celsius
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### 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 latest 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
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### 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
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## KNOWLEDGEBASE



<https://www.opticlimat.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](http://www.aurluxtechnologies.com)