Start-up Procedure

⚠️ **Initial verification and start-up must be carried out by suitably qualified personnel.**

It is strictly recommended to follow this start-up procedure in order to avoid any anomaly resulting from inaccurate installation of the components.

Initial Verification

Clearance	1. Ensure that the humidifier cabinet is installed in a location in which the humidifier can be serviced correctly.	☐
Electrical Supply	2. Verify that the power supply (voltage) conforms to the appliance name plate on the side of the humidifier.	☐
	3. Confirm that 24Vac is present between terminals TB4 1&2 on the printed circuit board.	☐
Water Supply	4. Ensure that water is supplied to the humidifier and that a shutoff valve is placed outside the humidifier.	☐
	5. With the water shutoff valve turned on, check that the drain connections are connected to the main drain line with sufficient diameter. Ensure that there are no apparent leaks.	☐
	6. Confirm that the drain piping is properly connected with a pitch of at least 6.5mm per 300mm horizontal run.	☐
Steam	7. Verify that the steam distributors are properly installed into the ventilation duct or that the SDU is properly installed and connected to the humidifier.	☐
	8. Verify that the flexible steam hoses and rigid steam supply pipes are shorter than 5 m in total, are properly sloped and have condensation "S" traps wherever required.	☐
Controls	9. Ensure that the Airflow switch is properly installed and connected to the printed circuit board. If an Airflow switch is not used, verify that a jumper is connected between terminals TB3 1&2.	☐
	10. Ensure that the High limit duct humidistat is properly installed and connected to the printed circuit board. Verify that the setpoint is properly adjusted. If a High limit duct humidistat is not used, verify that a jumper is connected between terminals TB3 1&3.	☐
	11. Ensure that the Interlock is properly connected to the printed circuit board. If the Interlock is not used, verify that a jumper is connected between terminals TB3 1&4.	☐
	12. If a room or duct humidistat is used, verify that it is correctly installed and properly connected to the humidifier. Verify that the setpoints are properly adjusted.	☐
	13. Turn the power on using the disconnect switch or circuit breaker.	☐
	14. Confirm the control set-up of the humidifier and verify that the setpoints are properly adjusted.	☐

Start-Up

Start-up

1. Proceed to start-up the humidifier, as follows:

    a) With the humidifier front access open, ensure that the manual drain valve is closed. ☐

    b) Turn on the humidifier by pressing and holding the Power button ⏻ for 3 seconds. Verify that the controller Status Display LED is blue. ☐

    c) Verify that there is a humidity demand displayed on the LCD screen of the humidifier. ☐

    d) Ensure that the water supply valve connected to the humidifier is turned on and that water is flowing directly to the humidifier water supply inlet. Ensure that the water shut off valve is turned off. ☐

    e) Verify the water level as water is filling the evaporation chamber by using the control panel to access the *WaterLevel* setting located in the *Physical IO* sub-menu of the *General* menu. Ensure that there are no water leaks along the water line. ☐

    f) Once the evaporation chamber has been filled, observe the system for water and steam leaks during several minutes of operation. ☐

Safety Test

2. Check the location of the Airflow switch in the system and its operation by stopping the fan. With no air movement, the humidifier should automatically stop. ☐

3. Turn off the humidifier by pressing and holding the Power ⏻ button for 3 seconds. ☐

Drain and Reset

4. Conduct a drain cycle by pressing and holding the Drain button ⊤ for 3 seconds. Ensure that the evaporation chamber has been emptied. ☐

5. Once the drain cycle is complete, restart the humidifier by pressing and holding the Power ⏻ button for 3 seconds. ☐

6. Reset the Airflow switch if needed. ☐

End   7. The humidifier is now ready for normal operation. ☐