

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.	<input type="checkbox"/>
Electrical	2. Verify that the power supply (voltage) conforms to the appliance name plate on the side of the humidifier.	<input type="checkbox"/>
	3. Confirm that 24Vac is present between tab 1&2 of JP20 and JP25 on the printed circuit board.	<input type="checkbox"/>
Hydraulic	4. Ensure that water is supplied to the humidifier and that a shutoff valve is placed outside the humidifier.	<input type="checkbox"/>
	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.	<input type="checkbox"/>
Steam	6. Verify that the steam distributors are properly installed into the ventilation duct or that the SDU is properly installed and connected to the humidifier.	<input type="checkbox"/>
	7. 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.	<input type="checkbox"/>
Controls	8. 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.	<input type="checkbox"/>
	9. 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.	<input type="checkbox"/>
	10. 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.	<input type="checkbox"/>
	11. 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.	<input type="checkbox"/>
	12. Turn the power on using the circuit breaker disconnect switch.	<input type="checkbox"/>
	13. Confirm the control set-up of the humidifier and verify that the setpoints are properly adjusted.	<input type="checkbox"/>

Start-Up

Start-up	1. Proceed to start-up the humidifier, as follows:	
	a) Turn on the humidifier by pressing and holding the Power button  for 3 seconds. Verify that the controller Status Display LED is blue.	<input type="checkbox"/>
	b) Verify that there is a humidity demand displayed on the LCD screen of the humidifier.	<input type="checkbox"/>
	c) 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.	<input type="checkbox"/>
	d) Verify the water level as water is filling the evaporation chamber by using the control panel to access the <i>WaterLevel</i> setting located in the <i>Physical IO</i> sub-menu of the <i>General</i> menu. Ensure that there are no water leaks along the water line.	<input type="checkbox"/>
Safety Test	e) Once the evaporation chamber has been filled, observe the system for water and steam leaks during several minutes of operation.	<input type="checkbox"/>
	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.	<input type="checkbox"/>
Drain and Reset	3. Turn off the humidifier by pressing and holding the Power  button for 3 seconds.	<input type="checkbox"/>
	4. Conduct a drain cycle by pressing and holding the Drain button  for 3 seconds. Ensure that the evaporation chamber has been emptied.	<input type="checkbox"/>
	5. Once the drain cycle is complete, restart the humidifier by pressing and holding the Power  button for 3 seconds.	<input type="checkbox"/>
	6. Reset the Airflow switch if needed.	<input type="checkbox"/>
End	7. The humidifier is now ready for normal operation.	<input type="checkbox"/>