

Initial verification

Project		Humidifier Model		Serial number	
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A qualified technician should carry out the following Initial Verification & Start up procedure.

Clearance & Installation

1. Ensure that cabinet of the humidifier is installed in a location where the humidifier can be serviced correctly (refer to § 3 of the user manual).
2. Verify that the humidifier is properly attached to the wall or on its stands. Humidifier must be level.
3. Check that the power supply (voltage) conforms to the appliance name plate on the humidifier side. Please indicate the information below.

Electrical

Voltage Phase Power

4. Ensure that power supply is properly connected and that an external over current and disconnect circuit breaker is installed on the supply adjacent to the humidifier (refer to § 7 of the user manual).

Water

5. Ensure that water is supplied to the humidifier. A shut-off valve should be outside the humidifier. Once the water shut-off valve is turned ON, ensure that there are no apparent leaks.
6. Confirm that Drain piping is properly connected to open drain, that drain pipe is of sufficient dimension and with slope properly (traps are not required) (refer to § 6 of the user manual).

Steam



7. Check that steam distributors are properly installed into the ventilation duct. *Non applicable in case of humidifier equipped with SDU.*
8. Verify that the flexible steam hoses and rigid steam supply pipes are shorter in total length than 16 feet (5m) and properly sloped and have condensation P traps wherever required (refer to § 5 of the user manual). *Non applicable in case of SDU mounted on the humidifier.*

Please contact your local Neptronic® representative if steam piping does not conform to the installation instructions recommendations.

Controls

9. Ensure that a High limit duct humidistat is installed, properly connected to the humidifier and set point properly adjusted.
10. Ensure that the Air pressure switch is installed, properly connected to the humidifier. Verify that the Interlock is wired or jumped.
11. Verify that room humidistat or returned air duct humidistat is installed, properly connected to the humidifier and set point properly adjusted
12. Turn Power ON at the disconnect switch
13. Ensure that the type of signal (0-10Vdc, 2-10Vdc or 4-20mA) from the humidistat or BMS correspond to the type on signal input in the menu of the humidifier (refer to § 10 of the user manual).
14. If Volt free contact have been connected, please confirm that the contact are acting as per customer requirements.
15. Confirm the control mode set-up of the humidifier. The humidifier is factory set with Control External. Please refer to § 10.4 of the user manual to access to programming menu of the humidifier.

1. Proceed to the start-up of the Humidifier, as follow:

Start-up

a) Follow the Start Up procedure as per the instruction manual for the cleaning cycle (refer to § 11 of the user manual).

b) The front panel rocker switch may be left in the ON position. This will result in normal operation of the humidifier when there is a demand for humidity.

c) Observe for water and steam leaks.

Safety test

2. Check the location of the air flow switch in the system and its operation by stopping the fan (if possible).
With no air movement in the air duct, the humidifier should automatically stop steam production.

Drain and Reset

3. Turn the humidifier OFF, by putting the front panel rocker switch to OFF (0) position.

4. Execute a manual drain, by putting the front panel rocker switch to DRAIN position .
Observe for water drain leaks.

5. Reset Air flow switch and humidistat(s) to the proper value, if needed.

6. Turn the humidifier to the desired operation mode: AUTO or OFF, by putting the front panel rocker switch to the appropriate position.

End

7. Humidifier is ready for normal operation.

Comments

