

Reference Case



Preserving Art and Literature in the High Desert

Condair MN and RS Series Humidifiers

In dry climates like Reno, Nevada, maintaining adequate indoor humidity is essential for both health and home care.

The preservation of their library and art collections was very important to the Markos. The precise humidity control has eliminated the concerns associated with the extreme climate variations of the high desert.

Installation Type
New Construction

Subsegment
Residential

Products
Condair MN & RS

Year of installation
2023

Bill and Deb Marko recently built their dream home in the high desert of Reno, Nevada, an area known for its breathtaking views but also for its challenging climate. As avid collectors of fine art and rare books, the couple faced the critical challenge of maintaining optimal humidity levels to protect their valuable possessions.

The Challenge

Reno's dry climate typically ranges from 10% to 20% relative humidity, compounded by the home's elevation of 5,800 feet. The temperature swings are drastic—summer days can reach 100°F, while winter can bring temperatures as low as 25°F. These conditions posed significant risks to the Markos' art collection and first-edition books, making humidity control essential.

Additionally, the home's design, featuring large rooms with vaulted ceilings and no ductwork for traditional humidification, required innovative solutions. The Markos were determined to maintain a consistent humidity level of 40%, avoiding fluctuations that could damage their collections.

The Solution

After careful consideration, the Markos chose the Condair MN flexible humidification system, recognizing that no alternative could provide the precision and flexibility required for their unique needs. The MN system utilizes a mesh nebulizer to generate humidity without traditional ductwork, perfectly complementing the home's radiant heating and forced-air cooling systems.



Marko Residence Library with custom painted MN spray heads



Marko Residence Library

“
The Condair MN Series flexible humidification system has been a game-changer for us. It allows us to enjoy our art and books without worrying about their preservation. The team's expertise made the installation seamless, and we appreciate the ongoing support.”

– Bill Marko (home owner)

Installation Process

The installation process was meticulously planned and executed over a three-year construction timeline. Condair played a managerial role, coordinating with the authorized contractor to install the housing and conduit during the rough construction phase. Walk-throughs involving the homeowners, architect, general contractor, and subcontractors ensured that everything was aligned with the project's goals.

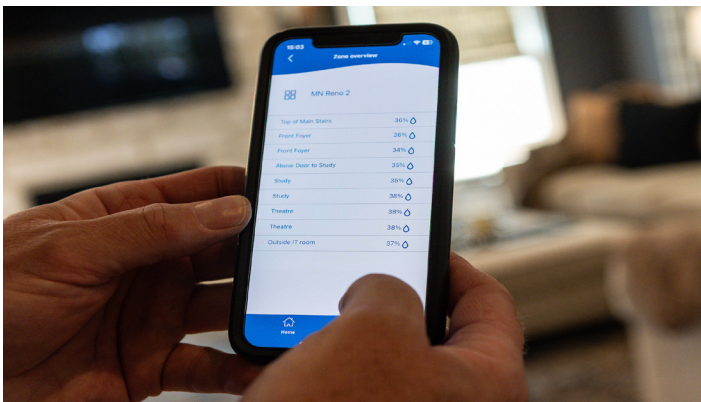
As the project neared completion, Condair returned to install and commission the humidification equipment, culminating in a final handoff and training session on the move-in date.

Operational Efficiency

Now, nine months after installation, the Condair MN Series (and RS Series) humidification systems have transformed the Markos' living environment. The equipment has proven energy-efficient, using minimal electricity and limiting water consumption primarily to system flushes for hygiene. The daily monitoring capabilities allow for remote performance analysis, ensuring any potential issues are addressed proactively.

Results

The precise humidity control has eliminated the concerns associated with the extreme climate variations of the high desert. Dry air in your home not only makes you uncomfortable, but can also make you sick. The technology not only safeguards their investments but also enhances their overall living experience.



Condair HumiLife app. The app let's you control the humidity levels in your home remotely, creating piece of mind.

Conclusion

The installation of the Condair MN and RS humidification systems has not only met the immediate needs of the Marko family but has also set a standard for preserving valuable collections in challenging environments. Their successful implementation underscores the importance of tailored solutions in new construction projects, especially when safeguarding art and literature is at stake.



Condair MN unit and spray head.

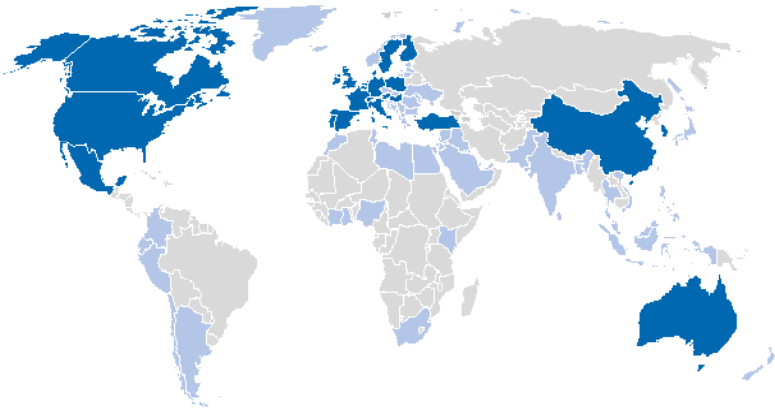
Condair Group,

founded in 1948 and based in Switzerland is the global leader in humidification, dehumidification and evaporative cooling.

Supported by science, we engineer individual, holistic solutions that customers can trust through the entire lifecycle.

With optimal humidity, we increase productivity and create healthier built environments.

Condair Group has production sites in Europe, North America and China, its own sales and service organizations in 23 countries, and representatives in 50 locations worldwide.



75+ Years of Industry Leadership in humidification and evaporative cooling solutions



Global Sales and Service offices in 23 countries



Worldwide coverage with operations and support in over 50 countries



Swiss-Made Quality designed and manufactured with high precision and quality standards



Broad Product Range across steam, adiabatic, and hybrid humidification for diverse applications



Energy-Efficient Solutions that reduce energy consumption by up to 80 %



Certified Health and Safety Compliance meeting strict international health and safety standards (ISO 9001, ISO 14001)

USA

1021 6th Street
Racine, WI 53403

CANADA

2740 Fenton Road
Ottawa, Ontario K1T 3T7

1.866.667.8321
na.info@condair.com
condair.com

