



Humidification for Senior Living Facilities

Maintaining indoor relative
humidity of 40-60% protects
the most vulnerable and
saves lives.

HUMIDITY FOR HEALTHY RESIDENTS AND WORKERS



Reduce Airborne Virus Transmission

In light of the COVID-19 pandemic, it is now more important than ever to listen to the evidence showing that optimum humidity can improve our indoor air quality. Proper indoor humidification helps save the lives of our elderly population by minimizing transmission pathways that are particularly inherent in enclosed, high-density living spaces.

Viral strains and other bacteria are transported through droplets of moisture known as aerosols. When relative humidity is too low, they can linger in the air and travel farther from the distribution source, increasing transmissibility.

Furthermore, in atmospheric conditions below 40% RH, the protective mucosal layer covering the cilia in the throat and nose can dry out, limiting the body's ability to capture and expel viral particles and microbes.

Benefits of adequate humidification for virus prevention and mitigation:

- Airborne droplets containing viruses are heavier and fall out of the air sooner
- Droplets containing viruses retain moisture allowing physiochemical reactions to deactivate the virus
- The respiratory immune system's defenses function effectively, capturing and removing airborne pathogens



Post-Operative Healing

For the many senior living residents that will inevitably undergo medical procedures and operations, humidification is a vital contributor to post-operative healing.

A moist environment is crucial to wound-healing as it prevents tissue dehydration and cell death, while accelerating the formation of new blood vessels, increasing the breakdown of dead tissue and potentiating the interaction of growth fibres.

This not only reduces pain and discomfort for the patient, but also expedites the healing process, lessening the hours of aftercare required from nurses and personal support workers.





WHY CHOOSE CONDAIR?

Reduce Heating and Cooling Expenditures

It takes a lot of energy to heat and cool an entire senior living facility. By maintaining adequate humidity of 40-60% RH, your facility can reduce its reliance on heating and cooling systems.

Humidity affects the way we perceive temperatures. Low humidity levels can make the air feel colder than it is because it allows moisture to evaporate from the skin more quickly, requiring more central heating. This problem is exacerbated due to the fact that furnace heat tends to dry the indoor air even further, creating a cycle of inaccurately sensing the temperature of the building and continuing to heat it more.

In the hot summer, the added humidification benefit of evaporative cooling can lower indoor temperatures without increasing the use of air conditioning. Proper humidification keeps residents feeling comfortable in regular room temperatures.

About Us

Condair specializes in the design and production of superior humidification systems. We create solutions to meet your specific needs in the most efficient and cost-effective way possible. To this end, we have drawn upon our extensive experience to develop a range of products manufactured to our stringent ISO 9001:2015 certified quality standards that provide our customers with maximal reliability, minimal maintenance and a choice of energy sources.

When you choose Condair, you are choosing a company that has built a reputation for superior quality humidification systems. Condair is also the only humidifier company to manufacturer a complete range of solutions including electric steam, subsonic fogging, high-pressure fogging, evaporative media, direct steam injection, steam exchange and gas-fired technologies.



Not sure what the relative humidity is in your facility?

Claim your FREE hygrometer to test it!

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