

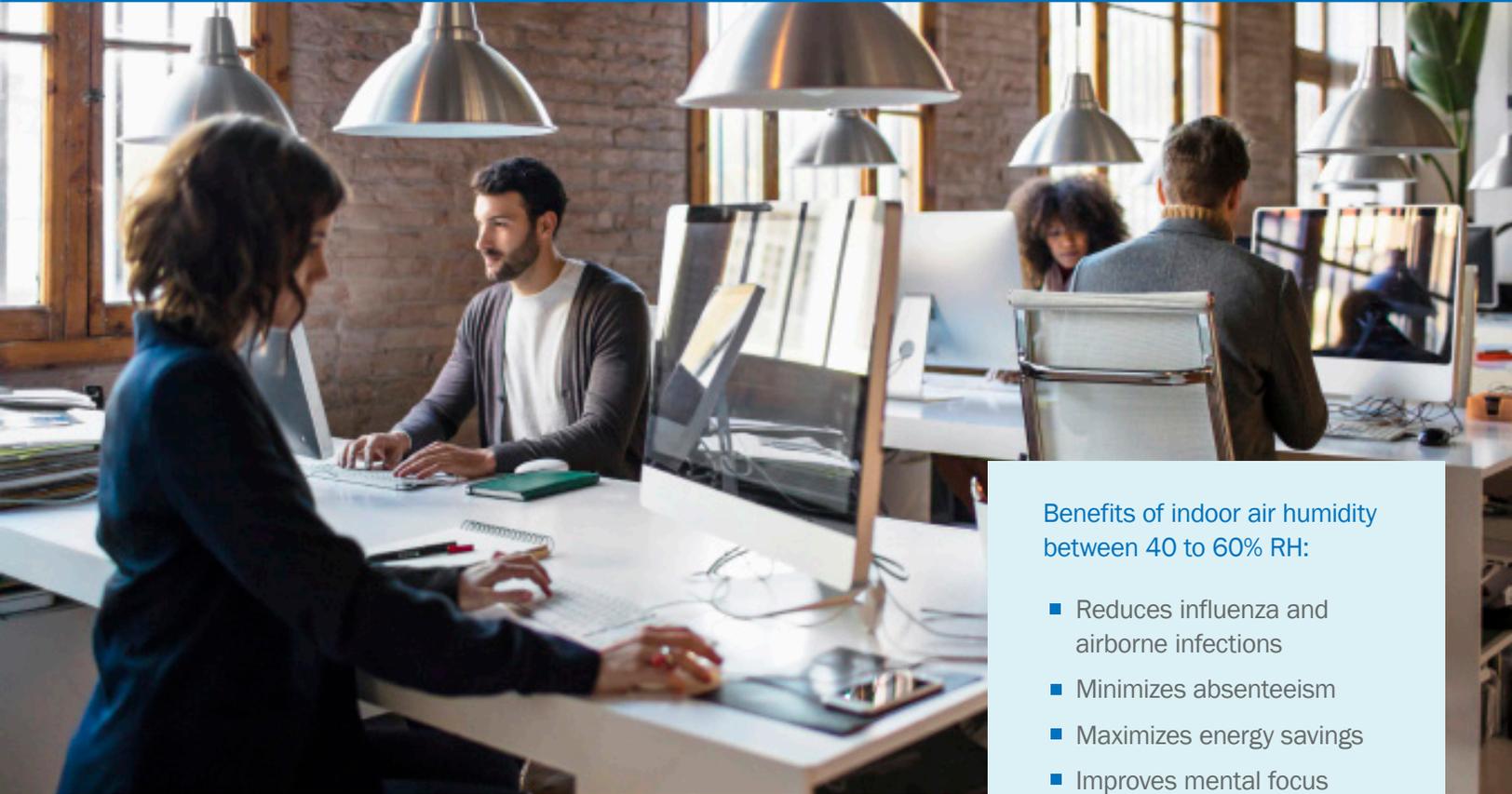
# Why humidify?...

## For Offices & Workplaces



**40TO60RH.COM**  
THE HEALTHY HUMIDITY

Establishing balanced relative humidity (RH) is essential to occupant health and wellness in addition to maintaining peak efficiency.



### Benefits of indoor air humidity between 40 to 60% RH:

- Reduces influenza and airborne infections
- Minimizes absenteeism
- Maximizes energy savings
- Improves mental focus
- Increases employee comfort

### Overview

An office building is a hive of activity with employees working in close proximity to one another within shared spaces. This can be problematic for them and for your business should the relative humidity (RH) and temperature not be regulated.

Proper humidity control is essential not only to the benefit of your employees' health and wellness but also when it comes to meeting established productivity standards.

Workers are the lifeblood of office-based operations, and facility managers need to consider the environment they are exposed to on a regular basis.

Air quality, hydration, and filtration can help or hinder offices of any size. This is due to the fact that low or high relative humidity can introduce a range of factors that could be detrimental to your everyday operations.



### Relative Humidity in Your Office

From physical discomfort to skin irritation and the development of respiratory problems, office building occupants can be subjected to various illnesses and other issues from low levels of humidity. In addition, your equipment itself can be damaged from electrostatic shocks, suffer from data loss, or even short-circuit. When it comes to maintaining standards, proper humidity control is critical in more ways than we can count.

The relative humidity in an office environment should remain between 40 to 60 percent to keep employees, equipment, and operations running in prime condition. Condair is pleased to offer a wide range of humidification and evaporative cooling solutions available to suit your needs. With a cleaner, healthier, and safer environment comes benefits such as improved employee retention, efficiency, and more cost-effective operations.

### Protect Employees from Airborne Infections

In low-humidity conditions, aerosols containing infectious bacteria such as influenza can reach more individuals in an office setting. This makes it more challenging to control airborne infections and reduce incidents such as flu outbreaks, meaning a contagious illness could flash throughout the building relatively quickly without proper humidity control. With consistent air moisture and regulation, these aerosols develop a greater liquid mass and settle more quickly, limiting their spread.

### Safeguard Against Employee Discomfort

Office employees need to be comfortable and

sufficiently hydrated to remain focused, alert, and productive. Otherwise, they may encounter dry, cracked, or irritated skin and lips, discomfort, rashes and outbreaks, eye irritation, and other issues. This can introduce additional stress and reduced energy, leading to lower work quality and inconsistent efficiency. When it comes to ensuring your operations meet or exceed established HR and QA parameters, investing in proper humidity control is a future-facing operation necessary in any working environment.

### Keep Equipment in Working Order

Computers, photocopiers, and other electronics can be compromised by conditions that deviate from the “safe zone” of 40 to 60 percent RH. Condair’s high-efficiency humidification and evaporative cooling solutions mitigate risks such as dust accumulation, component brittleness, and desoldering as well as instances of data loss and short-circuiting. Combined with a stronger defence against electrostatic discharges that can harm equipment and workers, humidity control can help you lower repair, maintenance, and equipment replacement costs.

### Energy Cooling Savings and Reduced Heating Costs

Facility managers who use the environment to their advantage can harness of a number of cost-saving measures. Whether incorporating the sheer convenience of free cooling or enjoying substantial long-term cost savings through reduced reliance on heating systems, balanced relative humidity can reduce operating expenses. Companies who take advantage of evaporative cooling can reduce their energy cooling bills by at least 30%.



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For more information on relative humidity for your office visit [www.40TO60RH.com](http://www.40TO60RH.com)