Why humidify?...
For Hospitals & Healthcare

Improve patient experience and maximize revenue with balanced air hydration

Overview

The hospital environment requires carefully managed indoor air quality to ensure effective patient care and optimal patient outcomes. Balanced air hydration has a long list of benefits for hospitals and healthcare facilities, including reduced healthcare associated infections (HAIs), improved patient outcomes, improved quality care metrics, decreased readmission rates and decreased length-of-stay. Perhaps counter intuitively, modern air hydration technologies also offer significant cost savings in facility operations, thereby improving energy efficiency and further maximizing revenue.

Reduce Healthcare Associated Infections (HAIs)

Studies show that at least 9% of patients acquire a new infection, called a HAI, while in the hospital. Research also suggests that 15% to 30% of infectious microbes within hospitals can be transmitted by air. Unless this airborne route of contagion is addressed, contact precautions such as hand hygiene will never achieve optimal infection prevention. Clearly, this has significant impacts on a hospital's ability to treat patients. Hospitals require balanced air hydration in order to effectively control and suppress airborne bacteria and viruses.

When people talk, cough and sneeze they continually emit droplets carrying the normal bacterial and viral microbes which reside in their mouth and upper respiratory tract. If the person is sick, these droplets also carry disease-causing microbes, called pathogens. In a dry environment, these expelled droplets shrink dramatically.
Decrease LOS (Length-of-Stay)

An increasingly important metric in healthcare facility performance is length-of-stay. With the demand for beds in hospitals at an all-time high and medical costs staggering, efficient treatment and avoidance of wasted resources is integral to ensuring patients’ access to quality care and hospital fiscal survival.

Reduce Energy Consumption and Cost of Operations

As of December 2016 (ASHRAE 170), hospitals are now authorized to implement adiabatic air hydration systems. These new air hydration technologies offer significant energy and cost reduction for healthcare facilities, in part due to a more streamlined, high-efficiency system, as well as the additional adiabatic cooling benefits that lessen the load on your current operations.

With the year-over-year cost savings, the installation of a higher efficiency air hydration system makes a significant impact on facility revenue.

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.

Decrease Readmission Rates

The goal of the hospital is to provide patients with short-term, high-level care when needed, and then to support their continued recovery at home. With more and more facilities running at maximum capacity, efficient in-patient care and safe discharges are integral to ensuring that hospital resources are available for new patients. Ensuring a safe healthcare facility environment through air hydration is just one of the ways you can support optimal patient healing and decrease HAIs that often lead to rapid readmissions.

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THE HEALTHY HUMIDITY

For more information on relative humidity for hospitals and healthcare visit www.40TO60RH.com