

## *Ashrae Humidity Control Design Guide*

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## **Ashrae Humidity Control Design Guide**

Humidity Control: Principles and Practice Illinois ASHRAE Chapter - May 2013 Outline 2 1.Examples of common humidity control problems 2.Principles of humidity control 3.5-Step design process for humidity control 4.Summary Thursday, May 16, 13

## **Humidity Control - ASHRAE**

For Laboratories. ASHRAE Laboratory Design Guide: Planning and Operation of Laboratory HVAC Systems, 2nd ed. This second edition of ASHRAE Laboratory Design Guide is a comprehensive reference manual for the planning, design, and operation of laboratories. It gives engineers, owners, and system operators the design and control strategies they need to reduce the laboratory's energy footprint ...

## **ASHRAE Design Guides**

Content Description Helps technical professionals design humidity control systems for commercial buildings. The over 500-page Guide provides the HVAC designer with complete coverage of humidity control from basic principles to real-world design advice, and is organized in a logical, easy-to-follow layout.

## **ASHRAE Humidity Control Design Guide for Commercial and ...**

Ashrae Humidity Control Design Guide ASHRAE Guideline 0.2-2015 Published Guideline. The Commissioning Process for Existing Systems and Assemblies. 1. Purpose 1.1 The purpose of this guideline is to describe the procedures, methods, documentation, requirements, and physical

## **Ashrae Humidity Control Design Guide - laylagrayce.com**

Over the last 20 years, moisture damage in some North American commercial buildings became a serious problem. Responding to industry concerns, ASHRAE, the U.S. Department of Energy, and the Gas Technology Institute jointly funded a project to produce a "Design Guide for Humidity Control in Commercial Buildings" (ASHRAE research project 1047-RP).

## **The New ASHRAE Design Guide for Humidity Control in ...**

Humidity Control Design Guid - ASHRAE - Download as PDF File (.pdf), Text File (.txt) or view presentation slides online. When you walk into a building and smell a musty odor, you can be certain that mold and mildew are present in the building envelope, or in the duct work, or both. By the time the odor becomes perceptible, the problem is well-established.

## **Humidity Control Design Guid - ASHRAE | Relative ... - Scribd**

- Use any guidelines from client's own industry Consult ASHRAE references on the effects of humidity
- ASHRAE Humidity Control Design Guide
- ASHRAE Guide for Buildings in Hot & Humid Climates
- ASHRAE Handbook - Applications
- ASTM manual 40 - Moisture Analysis and Condensation Control in Building Envelopes

## **Humidity Control Design - Carl Munters**

chemistry, and evaporation rates. A humidity control system alone will not provide satisfactory results if any of these items are overlooked. See Chapter 24 of the 2008 ASHRAE Handbook—HVAC Systems and Equipment for additional dehumidifier application and design information. Humidity Control People who are wet are very sensitive to relative ...

## **Humidity Levels (excerpt from ASHRAE ... - Humidity Control**

The Humidity Control Design Guide references a 1998 ASHRAE Journal article (Berglund 1998) that details research supporting this conclusion. Figure 2 presents test data reported by Berglund (shown as green circles) that links humidity levels with a corresponding dry bulb temperature necessary to reach

## **Humidity Control in School Facilities**

ASHRAE Standard 34-2013 establishes a simple means of referring to common refrigerants instead

of using the chemical name, formula or trade name. It also established a uniform system for assigning reference numbers and safety classifications to refrigerants. ASHRAE refrigerant designations (current as of June 2016)

### **Standards and Guidelines - ASHRAE**

Effective humidity control is essential to maintaining built environments for both the health of the building and its occupants, and ensuring optimum performance of building systems. Top Humidity Resources from ASHRAE. Moisture Control Guidance for Building Design, Construction and Maintenance

### **Humidity Control Resources - ashrae.com**

1 ASHRAE TC9.9 Data Center Power Equipment Thermal Guidelines and Best Practices Whitepaper created by ASHRAE Technical Committee (TC) 9.9 Mission Critical Facilities, Data Centers,

### **ASHRAE TC9.9 Data Center Power Equipment Thermal ...**

Who's doing it and why. In 2002, the ASHRAE Design Guide for Humidity Control in Commercial and Institutional Buildings recommended dew point control in place of rh control for buildings other than museums. Also, to avoid underestimating the dehumidification load, the Design Guide also recommended that ventilation load calculations be made against the 0.4% outdoor dew point instead of the 0 ...

### **Controlling dew point - Consulting - Specifying Engineer**

indoor air quality a complex, multifaceted problem. ASHRAE Standard 62-2001, "Ventilation for Acceptable Indoor Air Quality," addresses this complexity by establishing IAQ-related guidance for the design, construction, startup, operation, and maintenance of heating, ventilating, and air-conditioning (HVAC) systems.

### **Indoor Air Quality - Trane**

Based on ASHRAE's best-selling Humidity Control Design Guide for Commercial and Institutional Buildings, the course includes an in-depth discussion of moisture load calculations and how humidity control can be added to HVAC designs for seven different types of commercial buildings.

### **CRC2018 Tech Sessions | ASHRAE® Iowa Chapter**

Humidity Control Design Guide for Commercial And Institutional Buildings [Lew Harriman, Geoff Brundrett, Reinhold Kittler] on Amazon.com. \*FREE\* shipping on qualifying offers. This full color guide contains over 500 pages of humidity control information and provides excellent depth of coverage

### **Humidity Control Design Guide for Commercial And ...**

The Secret Guide to Humidity Control Excess humidity and moisture promote mold, discomfort, indoor air quality problems and energy waste. This short course, based on ASHRAE's Humidity Control Design Guide for Commercial and Institutional Buildings, helps the designer achieve true control of humidity, rather than just its occasional moderation.

### **Humidity Control Design - cincinnatiashrae.org**

A humidity control design guide from ASHRAE will be given to the participants (included in the course fee). Certificate of attendance will be issued to each participant at the end of the workshop. Speakers: Dr. Sam C. M. Hui, Dept. of Mechanical Engineering, The University of Hong Kong

### **Humidity Control and Mold Growth in Buildings - ASHRAE HKC**

Lew Harriman, FASHRAE and author of the ASHRAE Humidity Control Design Guide for Commercial and Institutional Buildings and the ASHRAE Guide for Buildings in hot and humid climates, 2nd edition, will be the international guest speaker and he will talk about how new technologies are helping to improve humidity control.

### **Humidity Control. Its Effects on the Environmental Quality ...**

publishes guidelines for temperature and humidity operating ranges of IT equipment. This paper explains the temperature and humidity guidelines that ASHRAE recommends for IT equipment and how these guidelines might benefit data center operators. It also describes how HP products fit within these guidelines.

## **Ashrae Humidity Control Design Guide**

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