



A Designer's Introduction to Commercial Desiccant Systems

Wednesday, October 7, 2009

COURSE SUMMARY

Over the last 25 years, worldwide emphasis on indoor air quality has created a demand for more practical and economical outdoor air ventilation systems for the Mediterranean, Middle Eastern and Asian regions, and the rest of the world. To serve the need for better management and dehumidification of ventilation air, hybrid desiccant dedicated outdoor air systems (DOAS) have become popular. These combine the low dew point advantage of desiccants with the high energy efficiency of energy recovery components and DX cooling systems.

To explain how these systems work and why to apply them, this course consists of four modules which describe the operating principles and components of modern commercial desiccant systems; popular equipment types and typical performance curves; how to apply desiccant systems to commercial and institutional buildings; and how to avoid common problems and maximize benefits of desiccant systems.

Upon completion of this course, participants will learn:

- key components of modern commercial desiccant systems
- the principal hardware alternatives, and their different performance
- the range of applications commonly served by desiccant equipment
- the unexpected successes with desiccant-based equipment

DATE: Wednesday, October 7, 2009

TIME: 09:00–13:00

COST: \$90 USD*

LOCATION: Tivoli, 20km from Rome, Italy

HOTEL: Duca D'Este, www.ducaeste.com

REGISTER

Internet: www.ashrae.org/aicarr

Phone: 404-636-8400

*Registration includes course materials and admittance to a separate AiCARR-ASHRAE-IIR-REHVA seminar workshop, Improvement of Building Energy Efficiency, in the afternoon.

INSTRUCTOR: Lew Harriman



Lew Harriman is the author of The Dehumidification Handbook, which describes the application of industrial and commercial desiccant dehumidification systems. He served as the lead Author and Project Manager for ASHRAE's Humidity Control Design Guide for Commercial and Institutional Buildings, as well as for The ASHRAE Guide for Buildings in Hot and Humid Climates.

For more information and to register for the ASHRAE Seminar, please visit www.ashrae.org/aicarr



The 47th AiCARR International Conference is organized with ASHRAE and REHVA scientific cooperation. Secluded from industry exhibitors, participants can fully concentrate on the two Plenary Sessions and four Parallel Technical Sessions.

For more information about the conference, please visit www.aicarr.it.

Registration to the AiCARR International Conference is not required to attend the course.