



# HUMIDIFICATION SELECTION & DESIGN BUREAU

Expert advice for consulting engineers

Humidification and Evaporative Cooling





Technical guidance on humidification systems by experts in the field

## Expert advice

Condair's Humidification Selection & Design Bureau provides expert advice and guidance to HVAC consultants specifying humidifiers and evaporative cooling systems.

Many factors influence correct humidifier specification. Some are obvious, such as the available energy source, and some not so, such as water quality or the cost of maintenance.

Having Condair support you on your humidification system's specification will ensure all elements have been fully considered by experts who specialise in this niche field.

### Technical guidance will be provided on:

- Psychrometric calculation
- Duty sizing
- Humidifier technology selection
- Duct section length for absorption without wetting
- Steam distribution system selection for required absorption distance
- System positioning for hygienic and efficient operation, and ease of maintenance
- Selection of associated components, such as sensors
- Run cost analysis with maintenance and energy cost projections
- BIM models (when available)
- Estimated system cost



Helping you avoid potential design errors while saving you time and money

## Benefits for you and your client

For most consultants, humidification projects do not occur frequently, so it's difficult to build-up the expertise needed to avoid the many potential design errors that can occur.

Support by Condair's Humidification Selection & Design Bureau removes these risks and provides peace of mind.

### **Condair's Humidification Selection & Design Bureau helps you:**

- Avoid specification errors
- Save time and money
- Eliminate potential project issues with clients and contractors
- Improve HVAC system performance
- Minimise the end-users' operating costs
- Compliance to AS3666

VISIT [WWW.CONDAIR.COM.AU/SPEC](http://WWW.CONDAIR.COM.AU/SPEC)  
FOR MORE INFORMATION OR TO GET  
ADVICE ON A SPECIFICATION



## 'Lunch and Learn' training seminars

Condair offers free seminars to companies involved in the specification, installation or use of humidification equipment.

Seminars can be given in-house and are typically delivered over lunchtime with refreshments being provided by the presenter.

**An expert humidification engineer will present a one-hour long seminar providing:**

- An overview of humidity control
- Explanation of isothermal and adiabatic psychrometric calculations
- Detailed analysis of the different types of humidifier technologies
- Best practice guide to humidifier selection
- Compliance to AS3666

VISIT [WWW.CONDAIR.COM.AU/CPD](http://WWW.CONDAIR.COM.AU/CPD)  
FOR MORE INFORMATION ON  
TRAINING OR TO BOOK A SEMINAR

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