

## Reference Case



Humidification and dehumidification from Condair

## FDDI, INDIA

Perfect humidity for quality control and R&D laboratories

**The Footwear Design & Development Institute (FDDI) needed a way to precisely maintain conditions at several sites across India.**

Multiple technologies were selected to ensure that quality control laboratories and research and development (R&D) facilities are the perfect environment for the next generation of Indian fashion designers to hone their skills.

### Products

Condair RS  
Condair DC

### Subsegment

Laboratories

Humidification, Dehumidification  
and Evaporative Cooling





The FDDI, part of the Ministry of Commerce and Industry run by the Indian Government is a prestigious organisation. They play a pivotal role in training the next generation of footwear designers, leather experts, fashion designers and accessories manufacturers. FDDI offer a range of courses across multiple campuses throughout India. FDDI also provides testing, quality control and R&D services to ensure that the India footwear and fashion industry is at the forefront of innovation.

#### Challenge:

The climate in India is typically very changeable throughout the seasons and also between different parts of the country, so humidity control is critical to maintain a controlled environment across an organisation.

Laboratories need to be kept to a set condition to ensure consistency when testing new products and innovations. Any significant variations in the in-room conditions will invalidate results.

#### Condair's solutions:

Condair RS resistive steam hu-

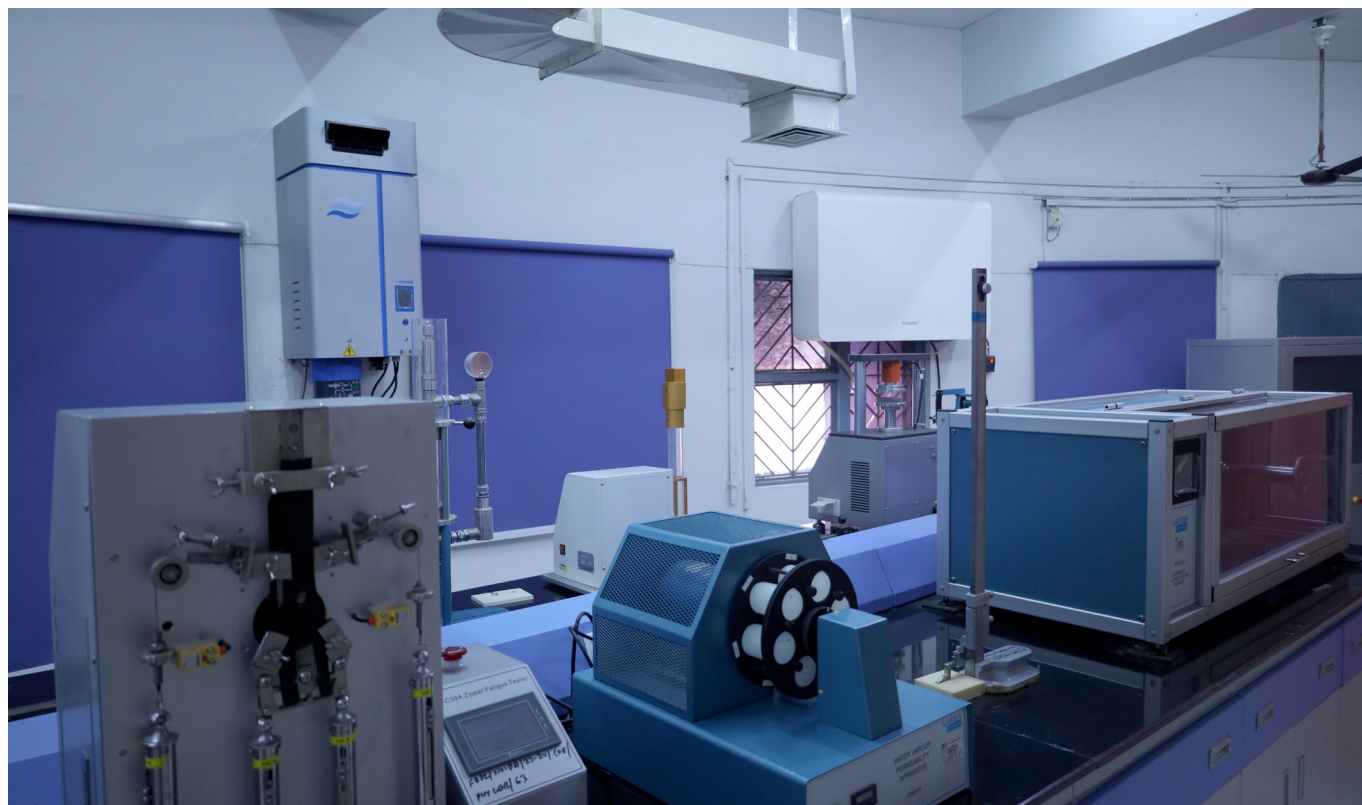
midifiers and Condair DC condensing dehumidifiers have now been specified at multiple FDDI sites across India.

Condair worked collaboratively with FDDI to select the right products for the different locations to ensure they were neither under- or over-specified – simply 'just right' for the application and location of the facilities. This approach enables precise control of the relative humidity (RH) levels across the different quality control facilities, without which accurate, reliable testing and laboratory environments would not be possible.

This 'just right' approach also ensures that electricity costs are kept at a minimum.

Mr Rajesh Verma from FDDI explained: "Our experience [with Condair] was very good with a quick response from sales and technical teams for delivering the solution, understanding the problem in detail and installation of machines without any hassle."

Rajesh continues "Precise RH throughout the year will help us to perform tests in the lab with [high levels of] accuracy".



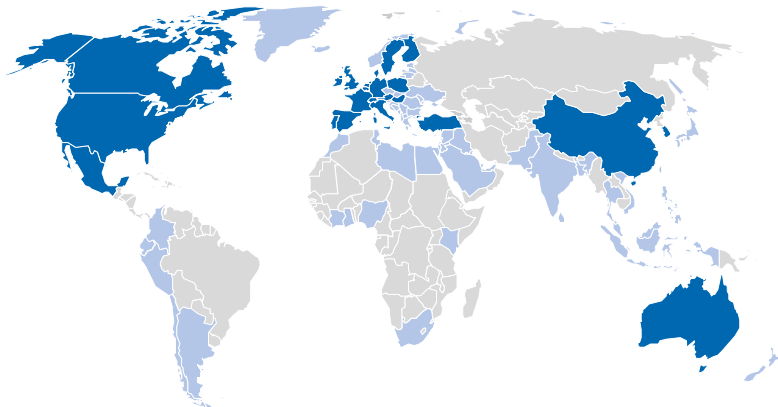
Condair RS and Condair DP systems installed at FDDI Noida.

### Condair Group,

Condair Group, founded in 1948 and based in Switzerland, is the global leader in humidification and a leading manufacturer of dehumidification and evaporative cooling systems.

Supported by science, we engineer individual, holistic solutions that customers can trust through the entire lifecycle. With optimal humidity, we increase productivity and create healthier built environments.

Condair Group has production sites in Europe, North America and China, its own sales and service organizations in 23 countries, and representatives in 50 locations worldwide.



75+ Years of Industry Leadership in humidification and evaporative cooling solutions



Global Sales and Service offices in 23 countries



Worldwide coverage with operations and support in over 50 countries



Swiss-Made Quality designed and manufactured with high precision and quality standards



Broad Product Range across steam, adiabatic, and hybrid humidification for diverse applications



Energy-Efficient Solutions that reduce energy consumption by up to 80 %



Certified Health and Safety Compliance meeting strict international health and safety standards (ISO 9001, ISO 14001)

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