



QUALITY AND TEMPO

Humidification in digital printing

At its 4,000 sqm Demo and Training Centre in Sant Cugat del Vallès (Barcelona), Hewlett-Packard (HP) presents its customers with the latest digital printing technology, from large-format printing to packaging and commercial printing.

Every year, over 6,000 delegates from the EMEA region visit the Centre to seek inspiration and participate in training. Customer Centre Director Ester Chiachio: "We view ourselves as a 'Dream Factory' that fosters new ideas and demonstrates the modern techniques for turning them into reality." Since 2013, DRAABE air humidification systems ensure optimal humidity at HP.



HP Demo and Training Centre, near Barcelona

Air humidification, dehumidification
and evaporative cooling

 **condair**

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HUMIDIFICATION IN DIGITAL PRINTING

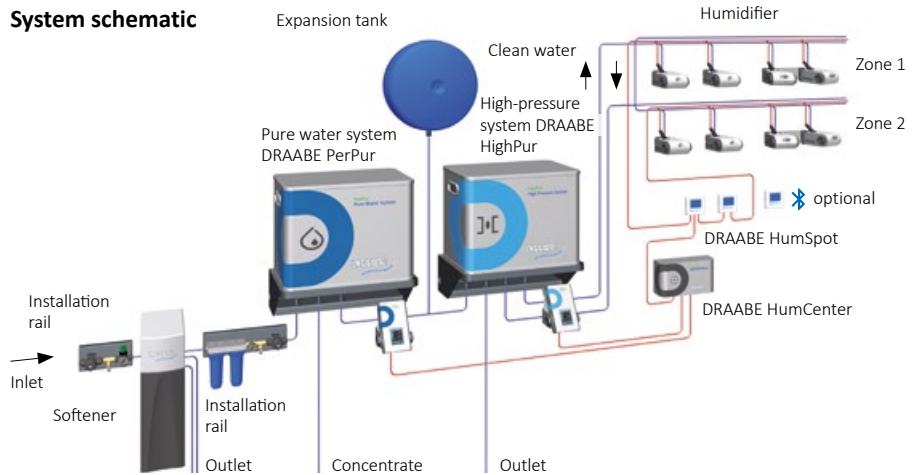
End-of-life for steam humidification

To ensure optimum results for print and production, the HP Demo and Training Centre requires air humidity values to be kept constant. “Electrostatic charges, changes to the paper dimensions and variations in print quality all adversely influence our training and demonstration work,” explains Adam Goldthorp, HP Trainings Manager. “Another problem is that the various print technologies and printing stock (e.g. plastic, carton) also need different humidity parameters”, Goldthorp continues. The existing steam humidification unit installed in the central ventilation system was no longer up to the task and was taken out of service in 2013.

Service and expertise

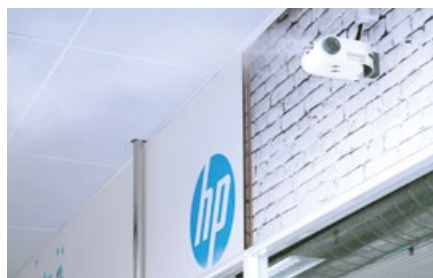
Since then, over 50 DRAABE TurboFogNeo high-pressure humidifiers have ensured a controlled level of air humidification in the various units. For HP Global Real Estate’s José Baena, the new DRAABE technology offers major advantages: “We now have optimum parameters across the various zones and printing systems. And we’ve also managed to cut energy consumption for humidification by over 95%.” Ester Chiachio is another satisfied customer: “With the DRAABE system Condair Systems is a highly competent partner who offers a high level of print industry expertise with unique service and is an ideal recommendation to customers visiting our ‘Dream Factory’.”

System schematic



Facts and figures

Humidification:	54 humidifiers type DRAABE TurboFogNeo 2
Pure water/high-pressure system:	2 pure water systems DRAABE PerPur 200 2 high-pressure systems DRAABE HighPur 200
Area:	Demo Centre, 10,000 m ³ , height 4 m Training Centre, 8,000 m ³ , height 4 m
Humidity requirement:	50–65% relative humidity
Installation:	Spring 2013



54 DRAABE TurboFogNeo 2 are installed at the HP Demo and Training Centre



Optimum humidity protects digital printing systems from electrostatics