

Humidification for No. 1



Battlefield Graphics Inc.

With the very first North American Installation of a Heidelberg Speedmaster twelve colour printing press, Battlefield Graphics is responding to the needs of its demanding customers. A state-of-the-art high-pressure humidification and standardized process water guarantee a performance of the highest degree.

Established in 1964, Battlefield Graphics has always been proud of its leadership position in technology advancement. Over 80 dedicated



DRAABE TurboFog 32

employees produce high-quality products for the automotive and pharmaceutical industries. „To stay very competitive in the North American market we have to produce consistent quality, without sacrificing delivery time“, stated Jerry Theoret, Vice President of Battlefield Graphics. In order to create optimum conditions for the new Heidelberg twelve colour, Battlefield has chose a DRAABE high-pressure air humidification.

Steam too expensive

„Electrostatic charges have always led to problems in the past“ remembers Bob Smith, General Manager. „The need for humidification really took the forefront with the installation of the new 12 colour Heidelberg. We were no longer interested in steam humidification due to the costs and heavy-duty maintenance involved.“ With DRAABE TurboFog, Battlefield now has a system in place which only incurs a fraction of the energy costs of steam or compressed-air humidification. In addition, the TurboFog 4, 8 and 32 atomizers adjust humidification to suit the different requirements in the print room and pre-press.

Double benefit

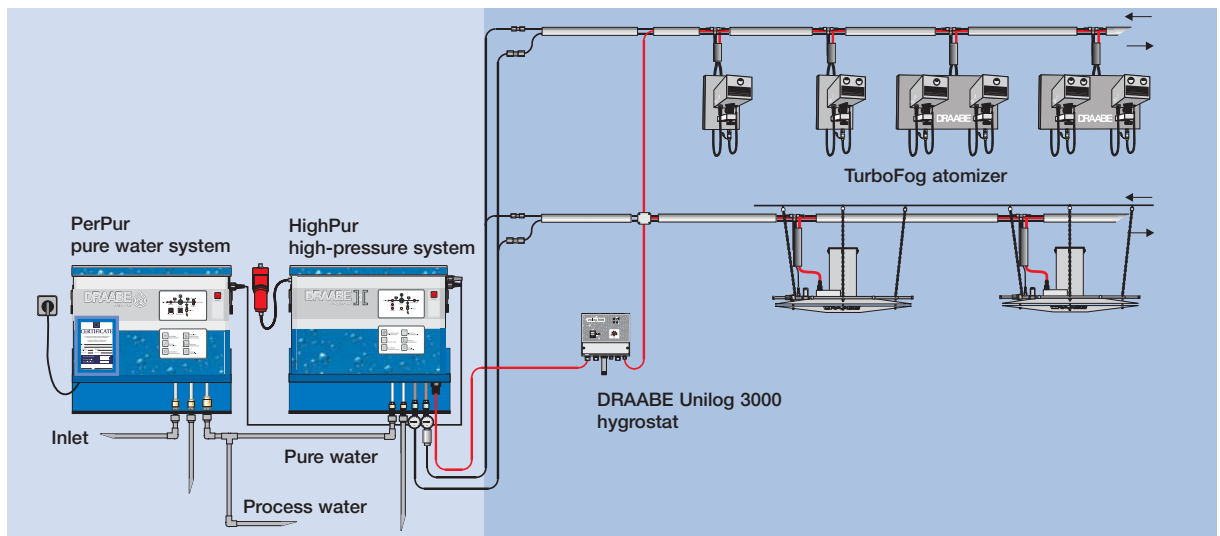
The pure water prepared for air humidification and produced in the DRAABE reverse osmosis units is also used as standardized process water to feed all printing presses by Battlefield. „This double benefit, combined with the special DRAABE Full Service Maintenance Concept, makes the system particularly economical and reliable“, emphasizes Bob Smith. „With the addition of the DRAABE humidification system electrostatic problems virtually disappeared, we are completely satisfied“.

Air Humidification Practice

DRAABE High-Pressure Humidification TurboFog

• Battlefield Graphics Inc., Burlington Ontario •

System Schematic: Battlefield Graphics Inc.



Pure water system:

2 DRAABE PerPur 120

High pressure system:

1 DRAABE HighPur 202

Application / nozzle system:

- (1) Pre-press:
 - 1 DRAABE TurboFog 4
- (2) Pressroom, bindery:
 - 8 DRAABE TurboFog 32
 - 1 DRAABE TurboFog 8

Humidity require:

50 – 55 % relative humidity

Installation:

April 2005

Benefits of air humidification:

- Faster production
- Eliminates paper curl
- No static buildup
- Reduces spoilage and dust

Benefits of standardized process water:

- Reduces abrasion and corrosion
- Slash chemical consumption
- Lessens toning and blanking

Benefits of the DRAABE full-service rental agreement:

- Half-yearly exchange of the system container
- 100% hygienic
- Total operating safety
- Unlimited warranty

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