

Where visions become reality!



DRAABE TurboFog 32

Optimum and constant air humidification at Eclipse Imaging serves to ensure a trouble free production process and high printing quality.

Eclipse Imaging is one of the most modern print production facilities in North America: as a specialist for large format printing (e.g. billboards, transit shelter, building wraps) and indoor print (e.g. standees, backdrops) Eclipse houses all the services that its customers need under a single roof, ranging from digital prepress via direct, screen, off-set print and on to finishing and fulfilment.

Static charging eliminated

In order to ensure optimal conditions for the production process, Eclipse added direct humidification in the spring of 2004.



Eclipse Imaging

“Time and time again we had problems with static charging, which led to the presses stopping and involuntary adhesions occurring during storage”, recalled Rick Kopp, Facilities Manager. After moving into new company premises we decided to solve this problem with the DRAABE TurboFog 32 high-pressure air humidification system. Six

atomizers, with a maximum output of 71 lbs/h (32 kg/h) ensure that the pressroom now enjoys an ideal relative humidity of 50 %. With this innovative technology, the water undergoes microfine, germfree and absolutely drip free atomization. In comparison to steam humidification, the high-pressure technology only entails imperceptible **low power costs** and **no additional heating** of the pressroom.

Maintenance-free

As part of the DRAABE Full Service Rental Agreement, every six month Eclipse will receive fully maintained and disinfected replacement devices. This applies both to the DRAABE high-pressure system and reverse osmosis. A trouble-free operation, 100% hygiene and planned operating costs are thus assured.

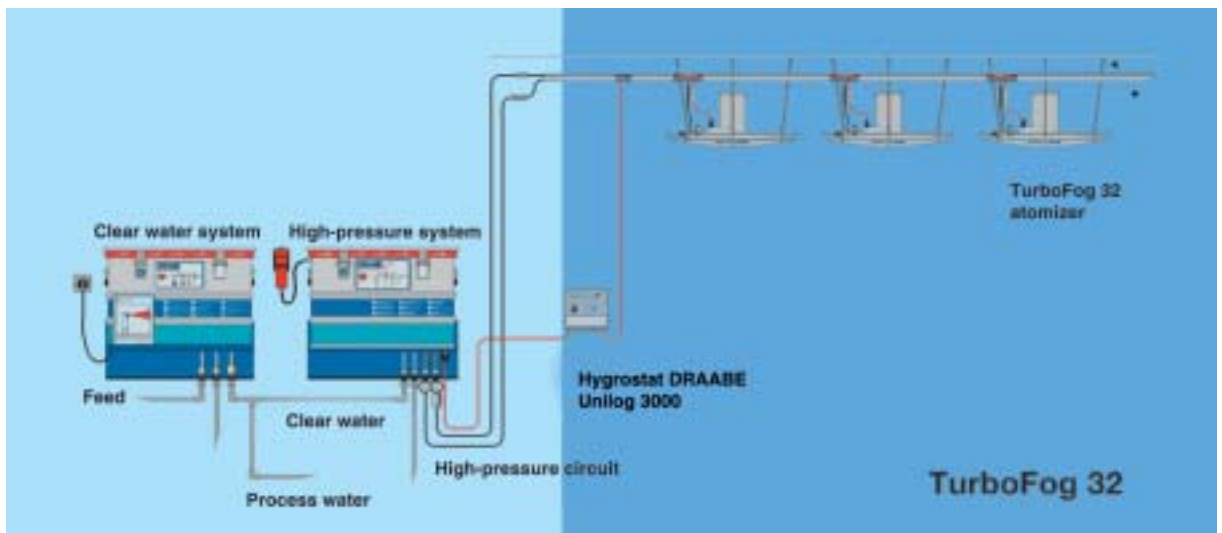
After starting up the air humidification, production conditions have improved and already exceed expectations, confirmed Rick Kopp: “Our presses can now run at maximum performance. That’s going to pay dividends!” Not least because of the high reliability of DRAABE System.

Air Humidification Practice

DRAABE Air Humidification TurboFog 32

• Eclipse Imaging, Burlington Ontario •

System Schematic: Eclipse



Clear water system:

1 DRAABE CSF 2122

High pressure nozzle system:

6 DRAABE TurboFog 32

Room volume:

Pressroom: 776,900 ft³ (22,000 m³)

Ceiling hight:

Pressroom: 30 ft (9m)

Humidity require:

50% relative humidity

Installation:

March 2004

Benefits of air humidification:

- Faster production
- Eliminates paper curl
- No static
- High register accuracy
- Consistent quality
- Pleasant room climate

Benefits of standardized process water:

- Cuts chemical consumption by up to 50%
- Reduces cleaning costs
- Reduces roller wear
- Lessens toning and blanking

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