

Competence in technology and chemistry

Optimized Air Humidification –
BG test certificate sets standard!



BG

Berufsgenossenschaft
Druck und Papierverarbeitung

BG test certificate

Optimized Air Humidification

"Optimized Air Humidification" test certificate – testing includes a field test on users' premises

Humidification units are now used more than ever in those industrial branches where optimum humidity is a prerequisite for trouble-free production. Companies are now able to choose from a variety of humidification systems and technologies.

In addition to function, criteria for the user should include professional advice, appropriate water treatment, compliance with hygiene standards and ease of maintenance. But ...

It's good to trust – it's better to test!

The German institution for statutory accident insurance and prevention in the printing and paper processing industry (BG Berufsgenossenschaft Druck und Papierverarbeitung) is once again setting standards with its "Optimized Air Humidification" test certificate. In addition to the comprehensive testing of humidification systems with regard to health, safety and service, field tests are now carried out in the laboratories of recognized hygiene institutes and at the premises of manufacturers of the systems following two years' use of the systems in situ. The tests for the "Optimized Air Humidification" certificate thus go far beyond the usual type testing.



"Optimized Air Humidification" test areas – standards in health protection and technology

Safety

The operating and hygiene functions of the humidification systems have to comply with applicable European and national directives, laws and standards.

Health

A long-term microbiological study is conducted by a recognized hygiene institute to examine water treated for humidification to see whether total permitted germ numbers are significantly undershot.

Environment

Operation of the system may not place a disproportionate load on the environment.

Service

Professional advice, perfect engineering, careful installation and detailed documentation from the manufacturer are assessed, as are the maintenance schedule and servicing work carried out by the manufacturer's trained staff.

Economic Efficiency

Long-term safety and hygiene conditions in the certified humidification system are examined by means of checks at the user's premises following a use period of several months.

When purchasing, look out for the BG test symbols GS, ET and "Optimized Air Humidification"!

The German institution for statutory accident insurance and prevention in the printing and paper processing industry awards grades of test symbol to humidifiers across industrial sectors and all over the world.

- **GS symbol:** this symbol records for the purchaser and for supervisory authorities that the system has been tested by an accredited test centre for compliance with European safety regulations. It forms the basis of the "Optimized Air Humidification" certificate!
- **EuroTest symbol:** the ET symbol stands for the same safety requirements as the GS symbol, but in contrast to the GS symbol, is not awarded only by German test centres.
- **Optimized Air Humidification:** this certificate includes the requirements of both the above-mentioned test symbols. Further requirements on hygiene and health protection, as well as on issues of environment, service and economic efficiency are also tested.

Our professional competence is your security

The test certificate "Optimized Air Humidification" is an immediate indication that the humidification system in question has been subjected to comprehensive testing.

Users of a system which has been tested in this way can be assured, if it is properly serviced on a regular basis, that they are operating a functionally reliable and perfectly hygienic system.



Manufacturers apply the familiar CE symbol themselves

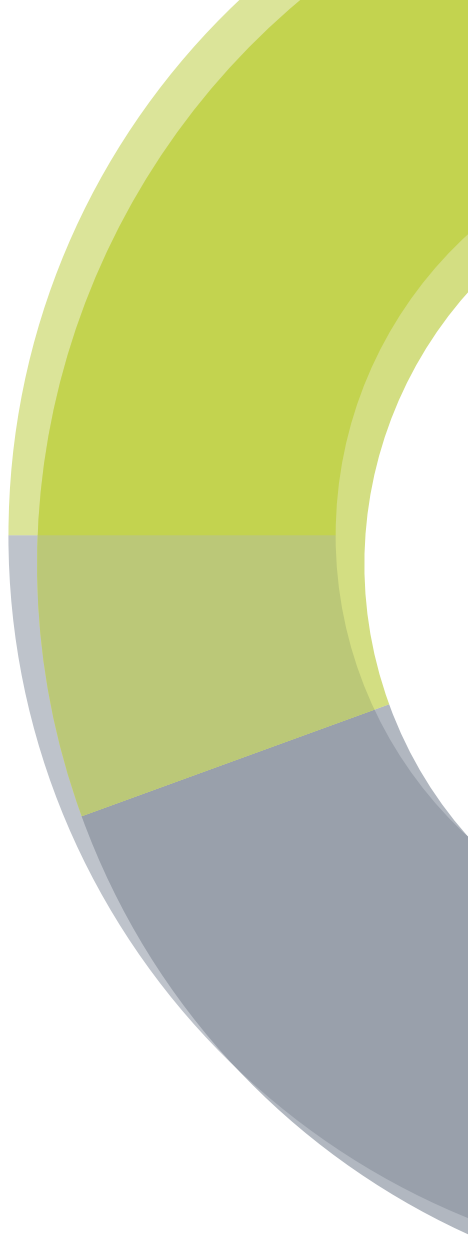
As a consequence, it is not a symbol of quality. According to independent studies, only some 50 % of systems marked with the CE symbol meet the requirements of European directives.

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