

HygroMATIK  
ÜBER  
**40 JAHRE**  
LUFTBEFEUCHTUNG

# VortexSteam

Reduces absorption distances

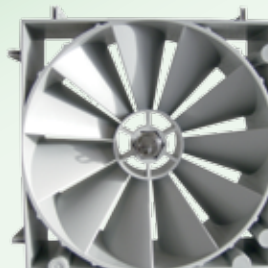
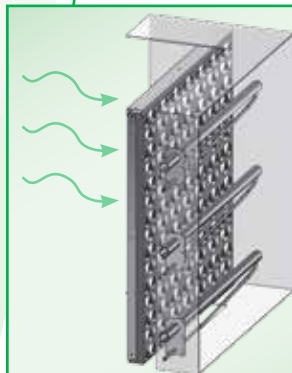


- Energy saving
- Hygienic
- Cost-saving
- Modular and upgradeable

Existing multiple steam manifolds employed to shorten absorption distances often imply high costs. A large amount of steam cools down in the manifolds and is lost as condensate. Consequently energy is dissipated and the required humidity cannot be achieved.

## VortexSteam from HygroMatik

- Short absorption distances due to optimised air flow turbulences
- Minimum steam loss due to condensation - saves energy and water
- Easy and simple to install - also ideal for retrofitting
- Economically priced and cost-saving in operation



Until recently, facility management used to install heavy-weight multiple steam manifold systems if they needed to shorten absorption distances in the air duct. These multi-lance systems comprise any number of individual metal manifolds. A large part of the steam already produced cools off and is lost as condensation. The larger the number of individual manifolds, the greater is the loss of energy, steam and water.

## VortexSteam – modular and energy saving

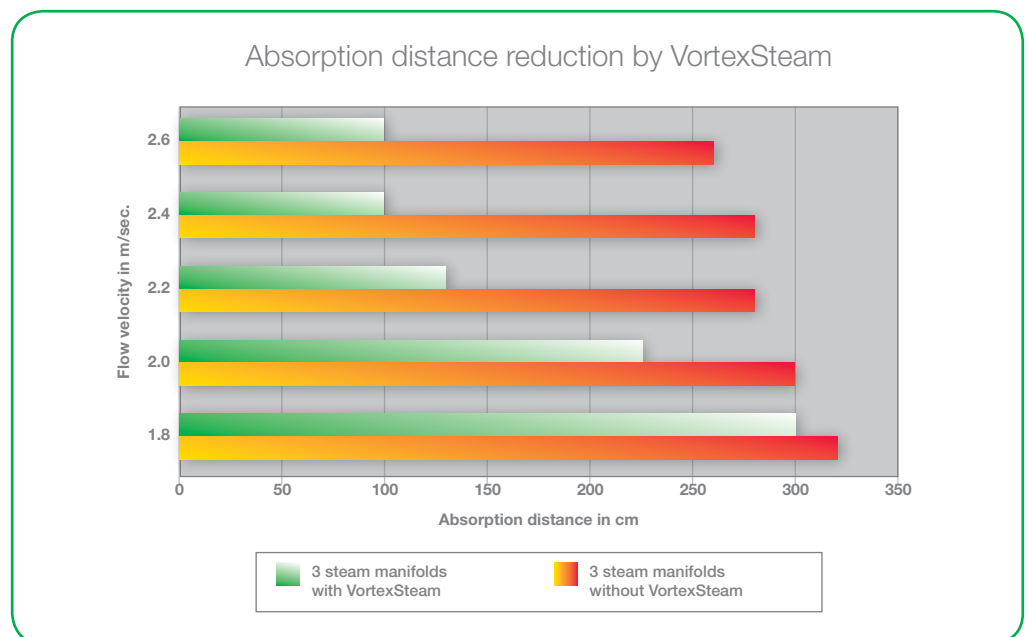


The generated steam is fed through the proven energy-optimised HygroMatik steam manifold. To shorten the absorption distance VortexSteam is placed in front of the steam manifolds in the direction of air flow. The specially developed VortexSteam module creates turbulences in the duct air flow and by so doing optimises the absorption of steam in the air.

The absorption distance is shortened without increasing condensation and without energy loss.

Over 50% shorter absorption distance due to VortexSteam

For flow velocities from 2.2 m/sec, VortexSteam can reduce the absorption distance by more than 50%.



We reserve the right to make technical changes

VortexSteam is light, modular and easy to install. It is also ideal for retrofitting. In difficult, tight installation situations, VortexSteam is the energy-efficient solution.

Contact your HygroMatik team for assistance:

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