VortexSteam Tender Specification

VortexSteam – a system for reduction of humidification paths

VortexSteam is used to generate turbulent eddies in air ventilation and air conditioning ducts and optimizes the assimilation and homogeneous distribution of water vapor in the air to be humidified. **The humidification path is reduced without increased condensation and is therefore shortened without energy loss.**

The inter-connectable Vortex modules are **lightweight, modular and easy to install.** Ideal for retrofitting in existing systems and suitable also for difficult or restricted-space installation situations. Tested by the independent Institute of Hygiene ILH Berlin, the VortexSteam means planning security.

Vortex wall
The specially developed VortexSteam inter-connectable modules are supplied separately and are easily assembled into a perfectly fitting wall.
The VortexSteam wall is mounted in the direction of the airflow directly in front of the steam manifolds in the humidification segment.
Even large Vortex Steam-module walls are easily achievable through the use of additional reinforcing rails.

VortexSteam
• **Short humidifying paths** through optimized air flow turbulence
• **Minimal steam loss** by use of reduced -condensation surfaces
• **Simple installation** - ideal for retrofitting
• **A perfect fit** for all ventilation and air conditioning ducts
• **Inexpensive** and cost-effective in operation

Technical data

Air speed pre-entry VortexSteam	m / s
Number and arrangement of the modules (x * y)	pieces
Module dimensions Width x Depth x Height	150 x 60 x 150 mm
VortexSteam to manifold distance	100 mm
Ambient temperature	5 - 40 ° C
Pressure drop	10 Pa at an air velocity of 2.0 m / s
Module material	PS

Included Accessories:
Mounting rails, designed as guide rails for pull-out, or lift-out, Vortex module wall.

Material: stainless steel panels 1.4301 / 1 mm / depth 62 mm