

# VapaSorb

The new and improved Rapid Steam Absorption System



Humidification and Steam Generation Specialists

**Vapac**<sup>®</sup>

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## The New Nozzle Free Design (NFD)

**VapaSorb utilises a new hole forming technology negating the use of inefficient jacketed tubes, expensive stainless steel nozzles or unreliable plastic inserts.**

The manifold has an all welded stainless steel construction and can come complete with its own drip tray.

Custom design allows for infinitely variable tube spacing and number of holes per tube. This, together with counter flow steam injection, will meet your shortest absorption needs.

Vapac – Investing in Technology, Saving you Money.

***The VapaSorb gives you shorter absorption distances for all your applications!***

### 'Application Flexibility'

- ⓧ Factory assembled ready to install.
- ⓧ Atmospheric or pressure steam applications.
- ⓧ Duct or air handler installations.



### Short Absorption Manifold Comparison

Steam Dispersion Technology:	Vapac's Nozzle Free Design	Plastic or Stainless Steel Nozzle Insert	Steam Jacketed Tubes
Efficiency:	High	High	Lower: Steam flow required in jacket to ensure condensate free steam
Maintenance:	All welded construction requires no maintenance	Plastic nozzle inserts and gaskets prone to failing due to heat stress	All welded construction requires no maintenance
Pressure Drop Across Manifold:	Lowest: Small tubes optimised to load sizing and absorption distance	Higher: Casing made of large flat surfaces	Highest due to larger tubing required to accommodate steam jacketing.
Dispersion Tubes Spacing:	Custom design	Limited to 3, 6, 9, 12" spacing	Limited to 3, 6, 9, 12" spacing
Installation:	Factory assembled design	Field assembly increases labour cost and possible mounting errors	Multiple drain connections

### Technical Data

Application Type:	Atmospheric	Pressurised
Maximum Air Velocity:	5 m/s	5 m/s
Dimensions:	From 500 × 500 mm up to 2300 × 2300 mm	From 500 × 500 mm up to 2300 × 2300 mm
Location:	Duct or air handler	Duct or air handler
Steam Source:	Atmospheric humidifiers: Electrode VapaNet LE, Gas-Fired VapaNet GF or Resistive VapaNet LR	Central steam boiler
Available Accessories:	Steam distribution accessories	Steam valve, actuator, strainer, steam trap and controls
Minimum Air on Temp:	12°C	12°C
Maximum RH off:	95%	95%

The Vapac logo is an internationally registered trademark and its equipment is covered by international patents.

We reserve the right to change the design or specification of the equipment without prior notice.

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