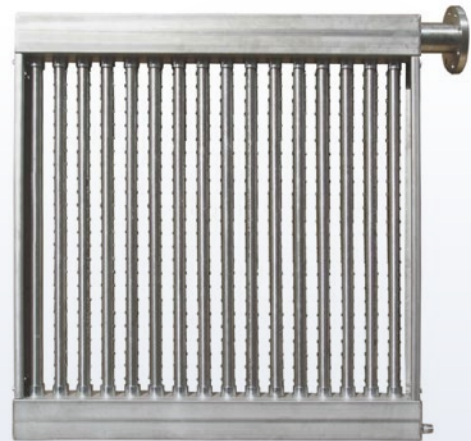




Diphusair MT2

dry steam dispersion or injection
isothermal humidification



CHARACTERISTICS OF THE MT2 SYSTEM

- Recommended for air humidifiers auto-producing steam at atmospheric pressure using heaters, electrodes or thermal interchange and for pressurized steam generators.
- Suitable for medium and high humidification capacities.
- Very short absorption distances 150-200mm
- Objects such as coils, fans, gates, etc. are not at risk of downstream condensations from the humidifier outside the absorption distance (AD).
- Easy to assembly in situ.
- AISI-304 Stainless steel collector pipes and thermoplastic nozzles for an almost unlimited operating life.

OPERATION

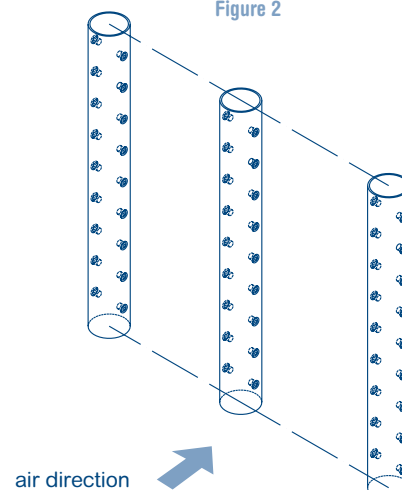
Figures 1 and 2: show the double dispersion system that enables speedy absorption with no risk of downstream condensations from the humidifier outside the absorption distance.

- The condensates stick to the interior walls and flow by gravity to the collector into which they drain and are removed from the air circuit.
- AISI-304 stainless steel collector and pipes.

Figure 1



Figure 2



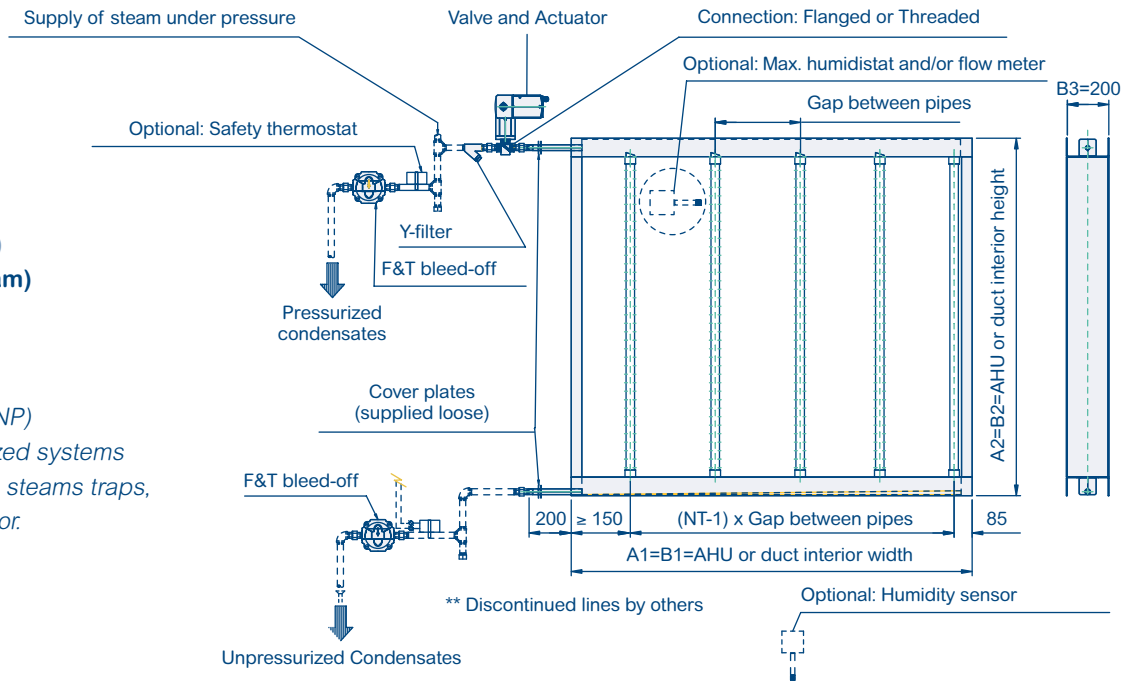


COMPONENTS AND OVERALL DIMENSIONS

Diphusair MT2 (P) (Pressurized Steam)

[Note]

*Diphusair MT2 (NP)
for non-pressurized systems
does not include steam traps,
valve and actuator.*



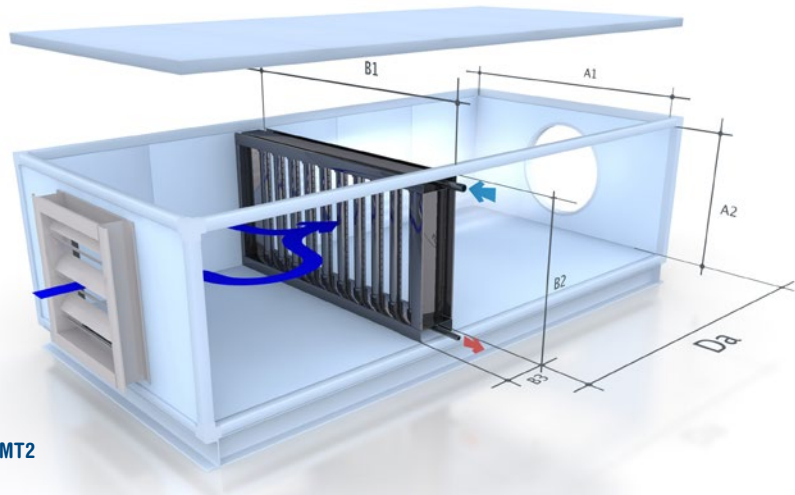
ABSORPTION DISTANCE

In steam humidification, it is very important to know the distance it takes the air to incorporate the steam from the added water into its composition, for the purposes of designing the installation.

The volume occupied by the absorption distance must be completely freed up.

Key

- A1:** AHU/duct available width
- A2:** AHU/duct available height
- B1:** MT2 width
- B2:** MT2 height
- B3:** MT2 length
- Da:** Absorption distance



**Example of a Diphusair MT2
in an AHU section**

SELECTION TOOL “FISAIR SELECTION TOOL”

Description and Advantages:

- The Fisair selection programme for Diphusair MT2 isothermal humidifiers is the only selection tool of its kind on the market. The tool enables the selection of the best solution for each specific project and application.
- It is straightforward, simple, and highly intuitive to use, enabling the

- selection of several units for one or more projects in a few short minutes, and printout in a single document.
- It provides the technical drawings and makes it possible for the manufacturers of air-handling units to understand the exact nature of the space they need for the installation of the Diphusair MT2.

- Available for free to all our preferential clients, and in DLL format for manufacturers.

