

# Ultra-sorb<sup>®</sup> Model MP steam dispersion panel

## EFFICIENT BY DESIGN

- Reduce wasted energy and condensate up to 85%  
High-Efficiency Insulated Tubes significantly reduce airstream heat gain and condensate production.
- Higher capacities per tube increase efficiency, and reduce cost  
Insulated dispersion tubes produce less condensate, leaving more steam available for humidification, and increasing the capacity of each tube. As a result, fewer tubes may be required to meet application requirements, further lowering condensate production and heat gain while reducing resource consumption and cost.
- No steam jackets; no unnecessary heat gain  
When there is no call for humidity, Ultra-sorb panels are at duct temperature while conventional jacketed steam injection systems stay hot and continue to add heat to the airstream.
- Disperse pressurized or nonpressurized steam  
Ultra-sorb Model MP disperse steam generated by pressurized steam boilers or by nonpressurized steam generators.



## LOWEST INSTALLATION COST

Factory assembly eases installation. Panels ship preassembled, install quickly, and are designed for easy steam and condensate connections.

## GUARANTEED, SHORT NON-WETTING DISTANCES

- Install within millimeters of downstream devices.
- Rapid, drip-free steam absorption means steam does not condense on downstream devices.

## MODEL MP: LOWEST TOTAL INSTALLED COST

- Same side steam inlet and drain for reduced piping
- In-frame condensate drain piping maximizes available face dimensions and minimizes blank-off requirements.
- Integral steam header allows clear space on exterior walls of AHUs.

### Ultra-sorb MP specifications

Steam source	Pressurized boiler steam or nonpressurized steam
Steam capacity	<p><u>Per panel:</u> Up to 1235 kg/h</p> <p><u>Per tube:</u> Insulated: 36 kg/h Uninsulated: 35 kg/h</p>
Steam pressure	Up to 345 kPa
Airflow	Horizontal
High-Efficiency Insulated Dispersion Tubes	Available option
Header insulation	Optional header enclosure provides air gap insulation (standard on units > 1500 mm width)
Condensate drain	Atmospheric
Condensate lifting	Available pump
Airstream heat gain	Low with High-Efficiency Insulated Tubes option
Non-wetting distance	Shortest in the industry
Face dimensions	305 x 305 mm up to 3660 x 3660 mm
Assembly	Pre-assembled (shipped unassembled by request or as larger dimensions require)
Dispersion tube mounting	Sealing grommets and frame
Steam and drain connections (all on same side of panel)	Inlet: Steam for humidification Outlet: Condensate drain
Piping connections	Same-side steam supply and condensate drain connections
Optional stainless steel features	304 stainless steel frame

#### DriSteem Corporation

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An ISO 9001:2000 certified company

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