

Wide ME



Separator panel for industrial processes and HVAC plants

We have named this profile "Max Efficiency" due to the extremely high separation capacity and the low air pressure drop (45 Pa at 4 m/s). The demister represents the best capacity you can get at variable air velocities from 1,7 to 6 m/s – which is important in ventilation plants where the airflow is reduced in periods to save energy, i.e. during the week-end, the night or on very cold days, and operates on higher velocities during the normal working day. The unique vane design also makes the panel very robust and reliable in windy conditions and marine use.

Wide ME – the best protection you can give your filters

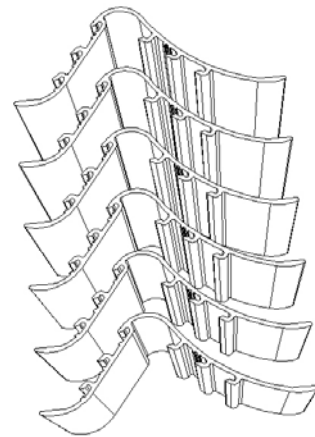
No other demisters offer as good protection to your filters as the *Wide ME* panel.

The profile is well fitted to air intakes in areas with high humidity in the form of rain, mist or fog.

Your filters will perform as expected only when kept dry.

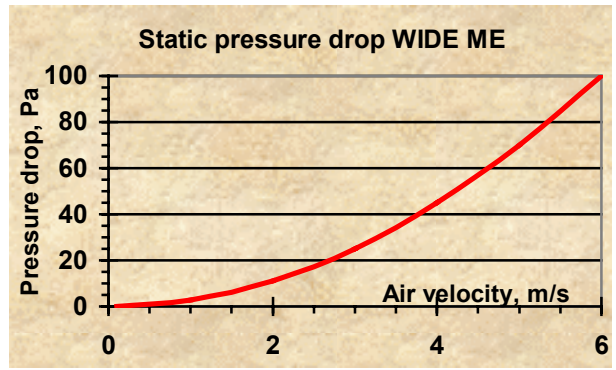
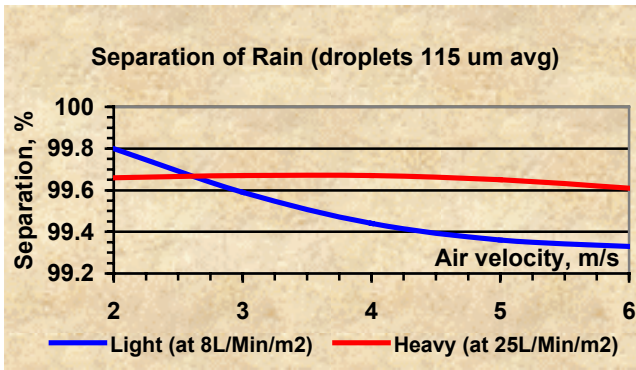
Panels are built to custom Width and Height

(no module dependency)



- Easy to maintain
- Low air pressure drop: $2,8 \times v^2$ (Pa)
- Used at air velocities from 1,7 to 6 m/s. Nominal velocity 4 m/s
- Unique separation capacity at all air velocities
- Predrilled flanges for quick and easy installation
- Designed with high efficiency both for small and large droplets
- Can be painted in any RAL colour that fits your building
- The integrated **WIDE Airlock** system gives high drainage capacity

Technical data for demister type Wide



Wide ME has been designed to eliminate water droplets from rain or fog at air intakes. The demister gives extremely good protection to avoid water damages to ventilation plants. Higher water load (in number of droplets) gives higher separation efficiency.

Wide ME has an optimal design when it comes to air pressure drop. The pressure drop through a dry panel is under 30 Pa at an air velocity of 3 m/s. This is very low compared with conventional design.

The demister is supplied as standard with 60 mm flanges for installation from the outside with drain directly to the outside (Or alternate drain pipe). We also supply demisters for installation from the inside. Galvanic corrosion protection of the demister at installation can be made by use of Polyamide washers with M10 bolt in $\varnothing 14$ hole (ref separate detail). This is recommended when bolting onto Mild Steel in saline atmosphere. For added protection and cleanability, the separator profiles may be supplied with 15 micron anodised surface treatment.

To ensure a high degree of separator efficiency, the demister will normally have an intermediate drip tray at heights above 1800 mm. This extra drip tray should be considered based on factors as location of the separator, air velocity, separation requirements and "water-load".

