

Wide SP



Demister panel designed for rough weather

In connection with our supply of demisters to the oil industry in the North Sea we were asked to design a demister that meets the NORSOK H-001 specification.

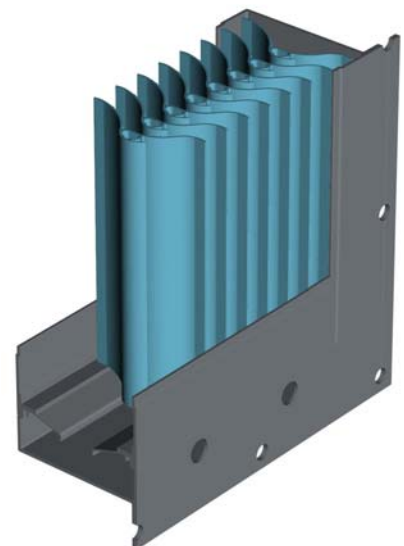
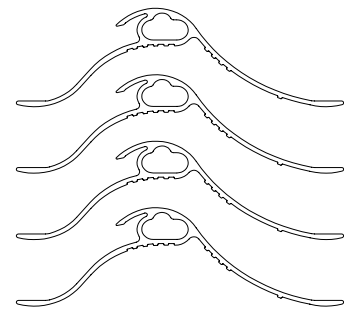
The demister we developed was named "Storm Proof".

The separation vanes have strong profiles and are tightly installed in a special designed framework. The material thickness and purpose made design reduces the risk of self-generated vibrations, which often occurs in weaker constructions.

Wide SP - also perfect for onshore installations

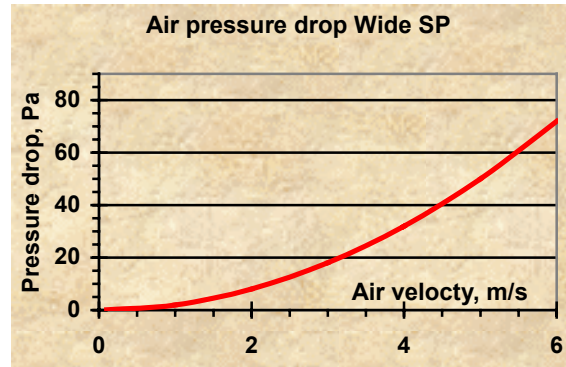
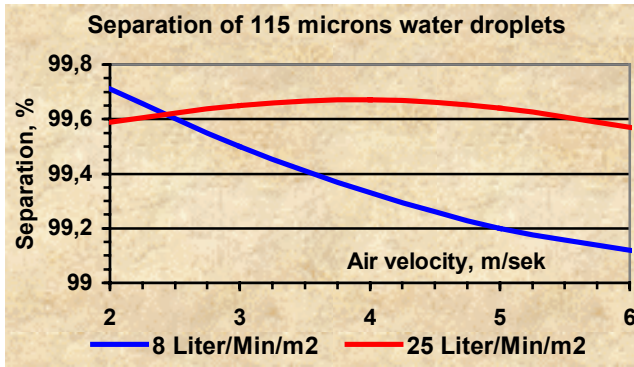
The demister profiles will stay clean when installed as wall mounted air intake demister. In areas where dust and dirt may deposit on the air intake panel, the design of the demister will allow the rain to keep it clean.

The demister is well designed to protect air intakes where the rain can hit hard or where the thick fog may result in water damages to the ventilation system.



- Efficient droplet separation (NORSOK H-001)
- Designed for air intakes exposed to rough weather climate
- Can be painted in any RAL colour that fits your building
- The integrated **WIDE Airlock** system gives high drainage capacity
- Prepared for automatic defrosting
- Low air pressure drop: $2,0 \times v^2$ (Pa)
- Used for air velocities up to 6 m/s
- Easy to maintain

Technical data for demister type Wide SP



Wide SP has been designed to separate droplets of rain, mist or fog from airflow in ventilation air intakes. The design of the separator vanes allows automatic cleaning when rain hits the wall-mounted demister. You may also use high-pressure water steamer to clean the separator when the ventilation system is running.

Wide SP has an optimal design when it comes to air pressure drop. The pressure drop through a dry panel is under 20 Pa at an air velocity of 3 m/s. This is extremely low considering the exceptionally good separation effect on both small and large water droplets.

The demister is supplied as standard with 60 mm flanges for installation from the outside with drain directly out (alt. for drainage pipe). We also supply demisters for installation from the inside. Galvanic protection of the demister at installation can be made by use of Polyamide washers with M10 bolt in ø14 hole (ref separate detail). This will be an actual procedure in corrosive environments. For such areas we recommend our aluminium profiles with anodised finish, which protects against surface corrosion. To ensure a high degree of efficiency the height of the demister should not exceed 1600 mm. This is important at air velocity above 3 m/s. Larger and smaller demisters are supplied on request.

