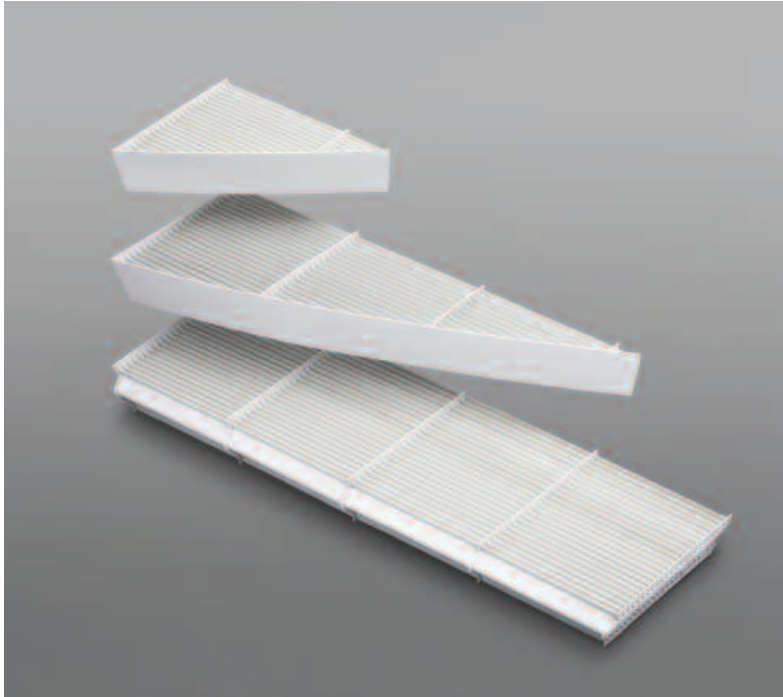


**DV 880****DV 880****Droplet Separator (Mist Eliminator)**

- Well established mist eliminator for medium velocity vertical flow scrubber applications
- Extremely low pressure loss
- Suitable for retrofit
- Flexible design – Rectangular, triangle and round shape
- Easy upgrade – Replaces many original equipment mist eliminators easily
- Low maintenance – Modules are easy to clean, also during system operation
- Broad range of materials – Special materials upon request
- Equipped with on-line flushing / cleaning systems for plugging sensitive applications

The DV 880 (8800-Series) mist eliminator is a vane type separator for vertical gas flows. The DV 880 is typically used as 2-stage mist eliminator for medium to high liquid loadings, but it can also be applied on low liquid loads.

The streamlined separator profiles deflect the droplet laden gas stream, as a result the momentum of the droplets causes them to impinge onto the profile surface. The droplets coalesce together and form a liquid film, and under the influence of gravity the liquid drains back down.

**Target applications**

- FGD absorbers (Flue Gas Desulphurization)
- Vertical gas scrubbers
- Gas cleaning devices in waste incineration plants



*Principle illustration.*

## Performance data

All technical performance data apply for a system air / water at 20 °C and 1 bar.

**The limit drop size** represents a performance characteristic of the profile. At the relevant velocity and operating conditions, it is the size of the smallest droplet that is completely separated.

**The pressure loss** of a mist eliminator should be as low as possible, in order to ensure favorable operating costs.

**The separation efficiency** specifies how much liquid the mist eliminator removes from the gas flow.

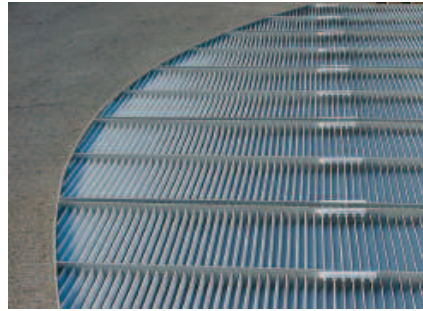
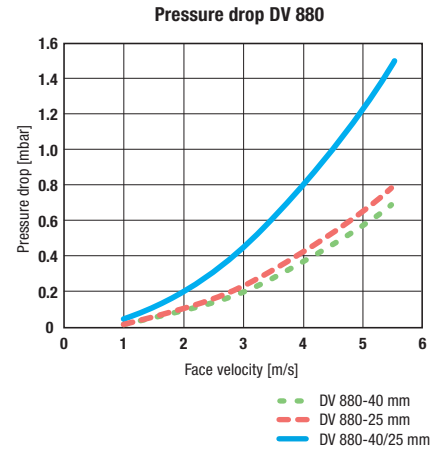
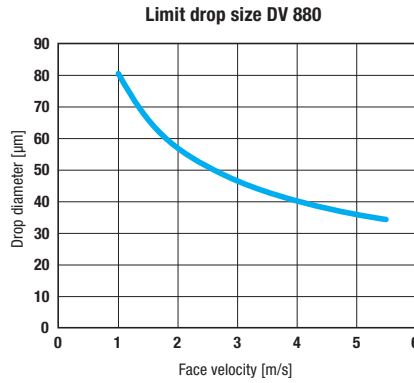
## Materials

- Talcum reinforced polypropylene PPTV, PP, Ultem, Polysulfone, PVDF, FRP, stainless steel alloys 316 Ti, 316L, 321, DIN 1.4301, DIN 1.4541, DIN 1.4571
- Special material available upon request

## Scope of supply

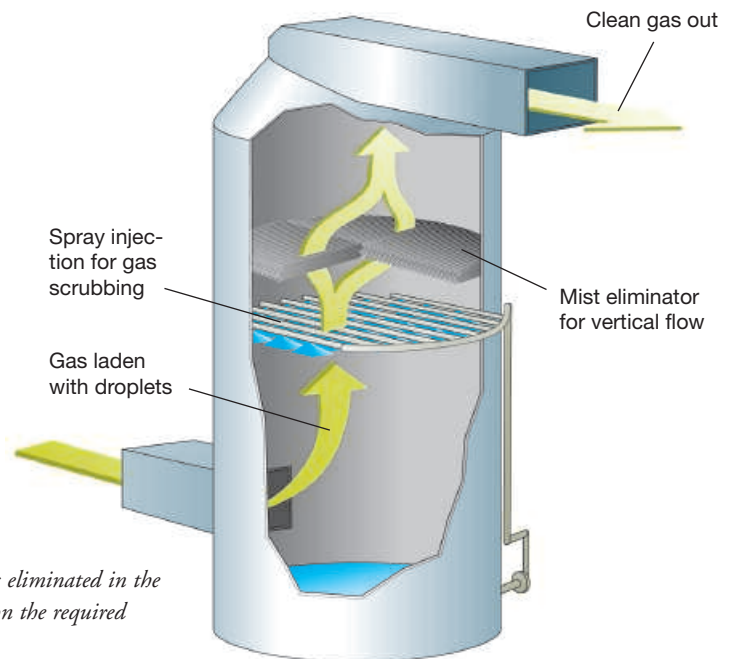
- Flexible round shape design delivered as full circle of modules
- Modules
- Framed pack for installation as internal
- Cleaning systems for each stage on both upstream and downstream side of the eliminator

*FGD wet scrubber for vertical flow. Liquid carry-over from the process is eliminated in the vane section of the scrubber and falls back down by gravity. Depending on the required cleaning efficiency the mist eliminator can consist of 2 or even 3-stages.*



Detail of a round shaped DV 880.

Material certificates can be delivered for most materials upon request. Pressure loss, limit drop sizes and fractional efficiency curves for given operating data are delivered upon request.



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