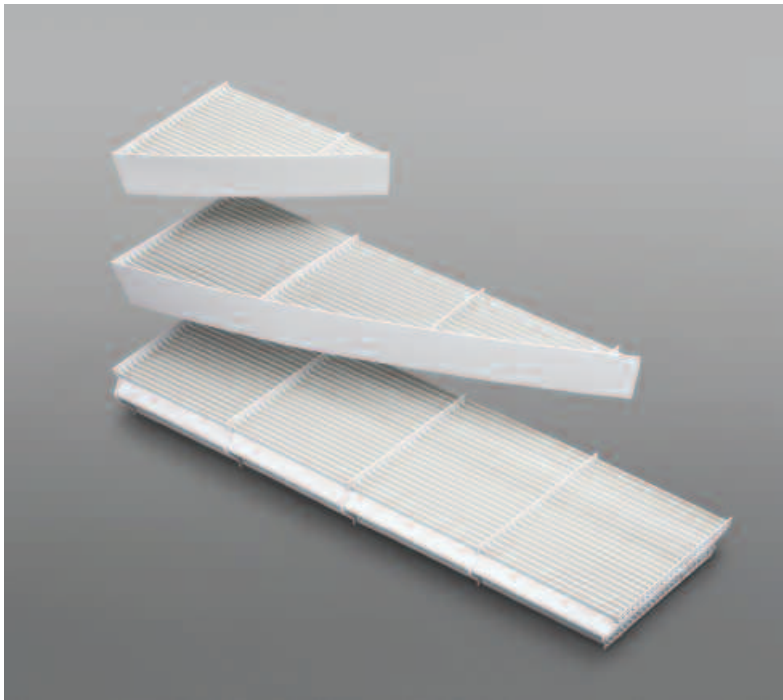


DV 880**DV 880****Droplet Separator (Mist Eliminator)**

- 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

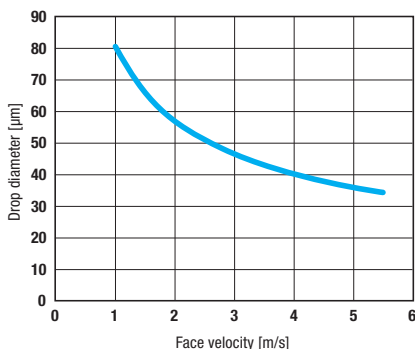
- Talcum reinforced polypropylene PPTV, PP, Ultem, Polysulfone, PVDF, FRP, stainless steel alloys 316 Ti, 316L, 321, DIN 1.4301, DIN 1.4541, DIN 1.4571
- Special material available upon request

Scope of supply

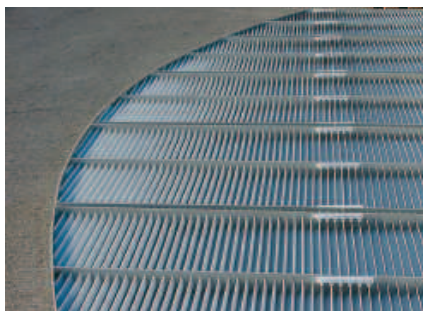
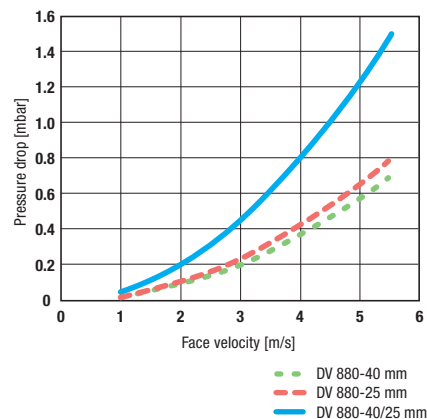
- Flexible round shape design delivered as full circle of modules
- Modules
- Framed pack for installation as internal
- Cleaning systems for each stage on both upstream and downstream side of the eliminator

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.

Limit drop size DV 880

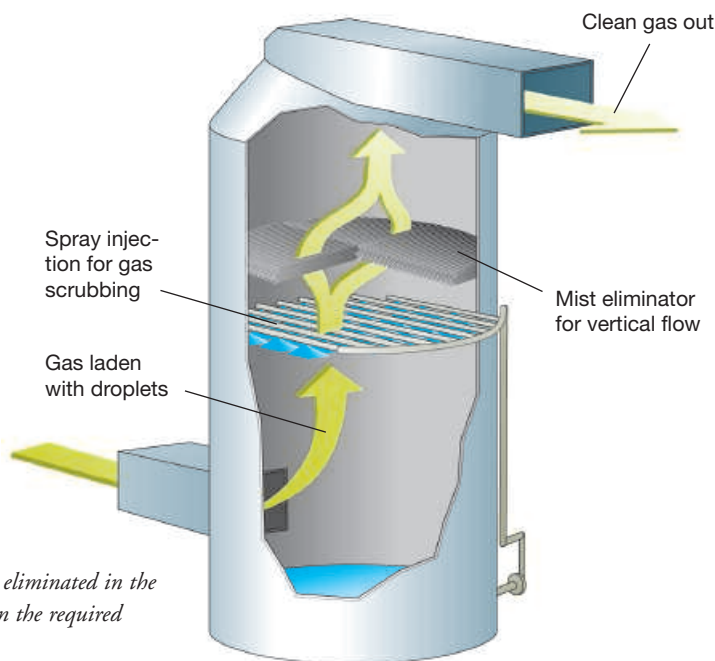


Pressure drop DV 880



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.



Munters, HumiCool Division, Kung Hans Väg 8, P.O. Box 434, SE-191 24 Sollentuna, Sweden. Phone +46 8 626 63 00, Fax +46 8 754 56 66.
 Munters Euroform GmbH, Aachen, Germany. Phone +49 241 89 00 0, Fax +49 241 89 00 5199, munters@muntersac.de
 Munters Corporation, Fort Myers, USA. Phone +1 239 936 1555, Fax +1 239 936 8858, moreinfo_me@americas.munters.com
www.munters.com

Australia Munters Pty Limited, Phone +61 2 6025 6422, Fax +61 2 6025 8266, **Austria** via sales organization in Germany, **Brazil** Munters Brasil Industria e Comercio Ltda, Phone +55 11 5054 0150, Fax +55 11 5054 0883, **China** Munters Air Treatment Equipment (Beijing) Co., Ltd., Phone +86 10 80 481 121, Fax +86 10 80 483 493, **Denmark** via sales organization in Sweden, **Finland** Munters Oy, Phone +358 9 83 86 030, Fax +358 9 83 86 0336, **France** Munters France S.A., Phone +33 1 34 11 57 50, Fax +33 1 34 11 57 51, **Germany** Munters Euroform GmbH, Phone +49 241 89 00 0, Fax +49 241 89 00 5199, **Indonesia** Munters, Phone +62 21 9105446-7, Fax +62 21 5310509, **Italy** Munters Italy S.p.A., Phone +39 0183-52 11, Fax +39 0183-521 333, **Japan** Munters K.K., Phone +81 3 5970 0021, Fax +81 3 5970 3197, **Kingdom of Saudi Arabia and Middle East** Hawa Munters, c/o Hawa United Cooling Syst. Co. Ltd., Phone +966 1 477 15 14, Fax +966 1 476 09 36, **Korea** Munters Korea Co., Ltd, Phone +82 2 761 8701, Fax +82 2 761 8777, **Mexico** Munters Mexico Phone +52 722 270 40 30, Fax +52 722 270 41 95, **Norway** via sales organization in Sweden, **South Africa and Sub-Sahara Countries** Munters (Pty) Ltd, Phone +27 11 997 2000, Fax +27 11 608 3501, **Russia** Munters Europe AB, Phone +7 812 4485740, Fax +7 812 5418660, **Spain** sales via Munters Euroform GmbH, Phone +34 93 688 1017, Fax +34 93 688 1655, **Sweden** Munters Europe AB, Phone +46 8 626 63 00, Fax +46 8 754 56 66, **Switzerland** via sales organization in Germany, **Thailand** Munters (Thailand) Co. Ltd., Phone +66 2 645 2708-12, Fax +66 2 645 2710, **United Kingdom** Munters Ltd, Phone +44 845 644 3980, Fax +44 845 644 3981, **USA** Munters Corporation Fort Myers, Phone +1 239 936 1555, Fax +1 239 936 8858, Munters Corp. **Mason**, Phone +1 888 335 0100, Fax +1 517 676 7078, **Export & Other countries** Munters, Phone +46 8 626 63 00, Fax +46 8 754 56 66.

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