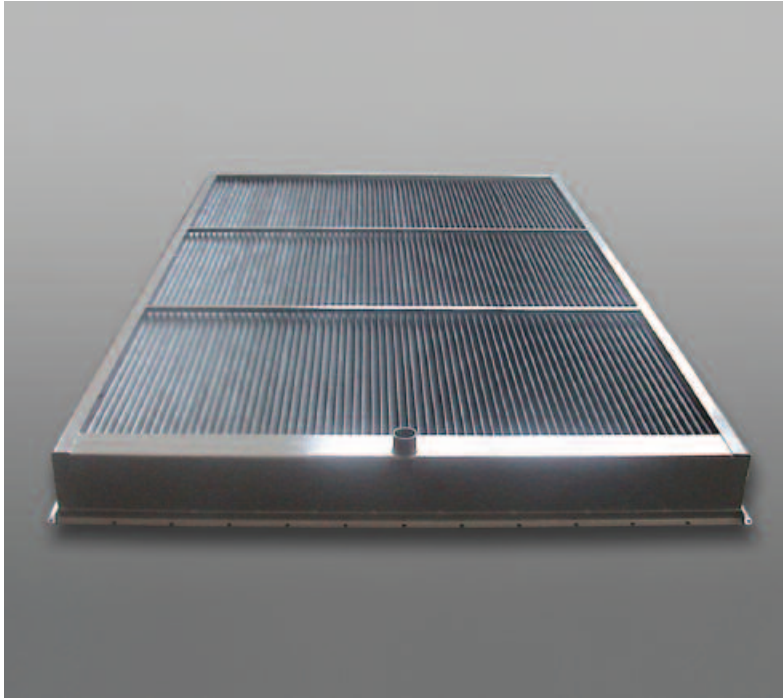


DH 2100–CE (*T 100*)

Droplet Separator (Mist Eliminator)



The DH 2100 – CE (*T 100*) is a vane type mist eliminator used for many applications with horizontal gas flows. The vane is suited for low to high gas velocities and eliminates very fine droplets. This vane type separator can be configured to most individual performance demands using various pitches and it provides energy saving operations due to the very low pressure loss.

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, the influence of gravity causes the liquid to drain to the bottom of the profiles. Specially shaped separation chambers improve performance by enhancing the separation of finer droplets and ensuring problem free discharge of liquid.

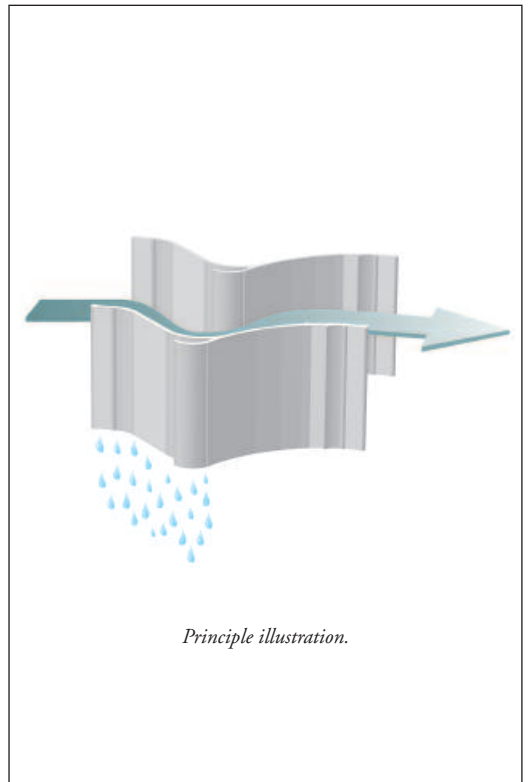
Target applications

- Gas cooling processes
- Removal of condensed liquids
- Gas cleaning devices
- Absorbers
- Exhaust air treatment plants
- Chemical plants

PRODUCT INFORMATION

DH 2100–CE (*T 100*)

- **Cross flow drainage**
Collected liquid drains at 90° to the gas flow, to minimize re-entrainment and allow higher operating velocities.
- **Low drag coefficients**
Functions with greater overall efficiency at higher velocities, without excessive pressure drop.
- **Easy upgrade**
Replaces many original equipment mist eliminators easily.
- **Low maintenance**
Modules are easy to clean, even during system operation.
- **Broad range of materials**
Available in PPTV, PVC, PVDF, AlMgSi0.5, stainless steel alloys 316 Ti, 316L, 321, DIN 1.4301, DIN 1.4541, DIN 1.4571.
- **Special materials upon request**



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 favourable operating costs.

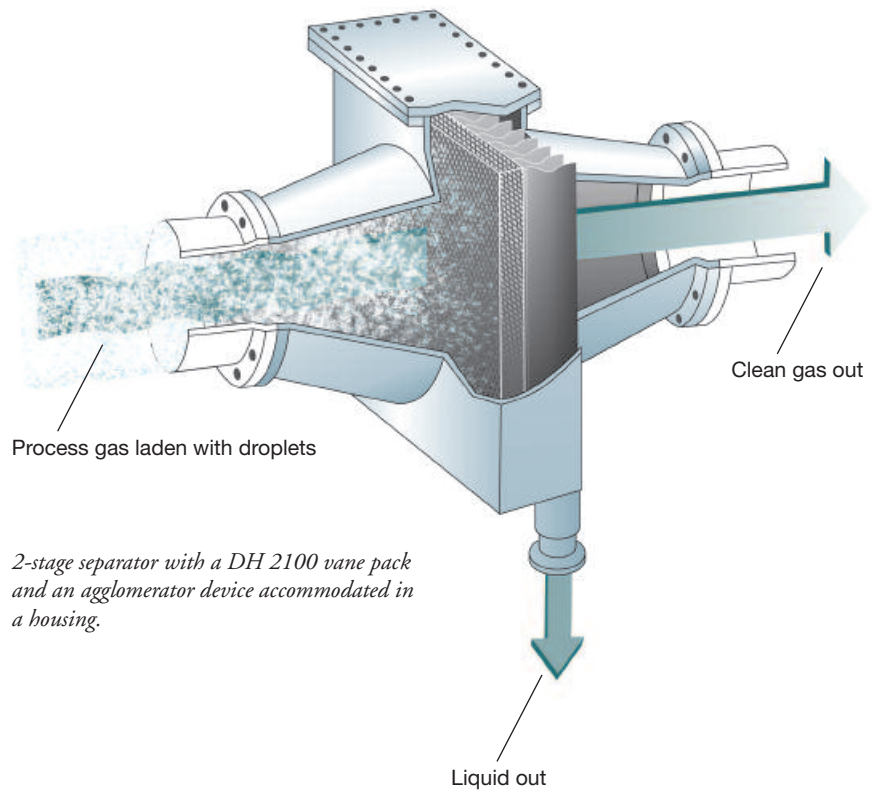
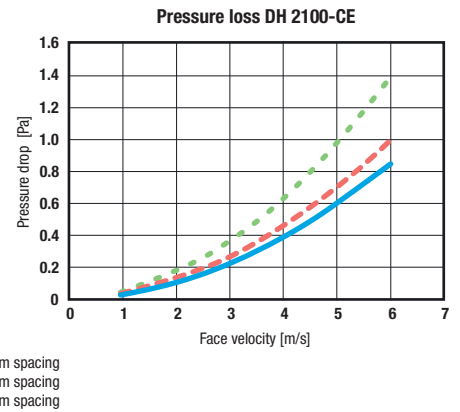
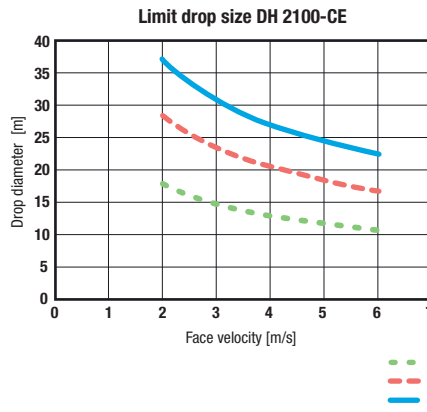
The **separation efficiency** specifies how much liquid the mist eliminator removes from the gas flow. It is customary to specify a maximum permissible inlet load and a guaranteed level of residual liquid content downstream of the eliminator.

Materials

- Talcum reinforced polypropylene PPTV, PVC, PVDF, AlMgSi0.5, stainless steel alloys 316 Ti, 316L, 321, DIN 1.4301, DIN 1.4541, DIN 1.4571
- Special materials upon request

Scope of supply

- Profile packs
- Framed units as internal
- Mist eliminators with housings or pressure vessels
- Cleaning systems



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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