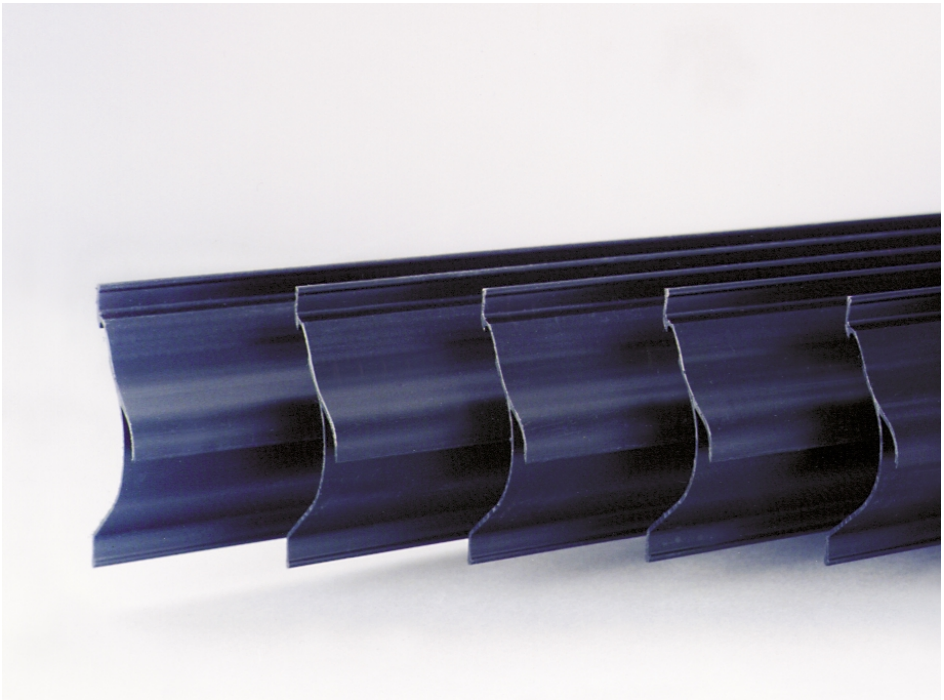
DH™ 2500
Droplet Separator Profile



DH™ 2500 droplet separator profile when assembled into units forms a vane type separator for horizontal flow. The streamlined profiles ensure low levels of pressure drop combined with high separation efficiencies.

The profile is available in various materials, the most popular being, talcum reinforced polypropylene, but also aluminium. It can therefore be utilised under different operating conditions.

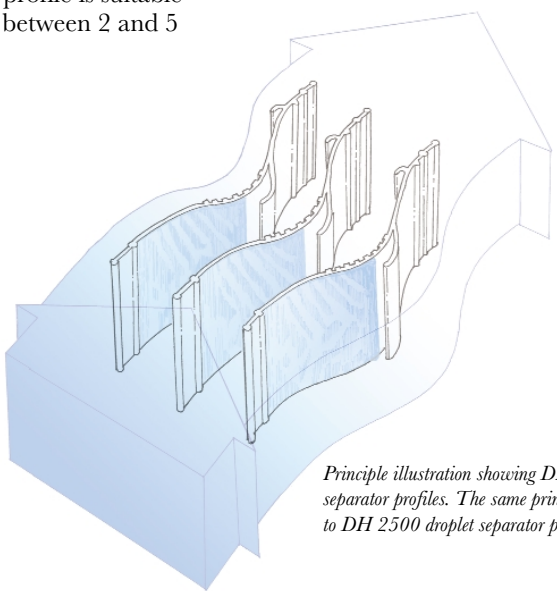
DH 2500 droplet separator profile can be supplied as standard 6 metre long profiles or in tailor made lengths that are shorter than 6 metres.

DH 2500 droplet separator profile is designed for use mainly after cooling coils and for air intakes. The profile is suitable for use at face velocities between 2 and 5 m/s.

Separation technology

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.

To avoid "flooding" of the profiles and the possibility of re-entrainment of the separated liquid, the height of the profile sections is normally limited to 2,500 mm.



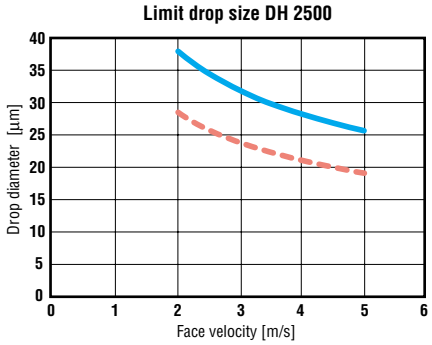
Principle illustration showing DH 2100 droplet separator profiles. The same principle applies also to DH 2500 droplet separator profiles.

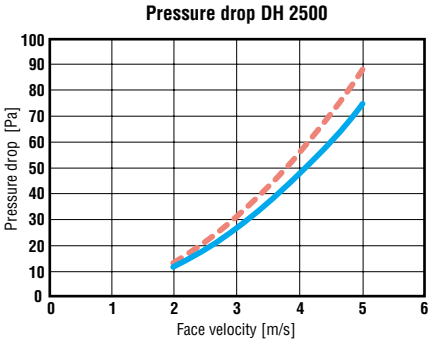
DH™ 2500

Equipment

- **High separation efficiency**
- **Very low pressure drop, leading to lower operating costs**
- **Materials available for different operating conditions**
- **Low maintenance cost due to simple operating principle and long lifetime**
- **Wide face velocity range**
- **Tailor made lengths available**
- **Wide range of assembly profiles available**
- **In house ISO 9001 certified manufacturing**
- **Highest quality materials**

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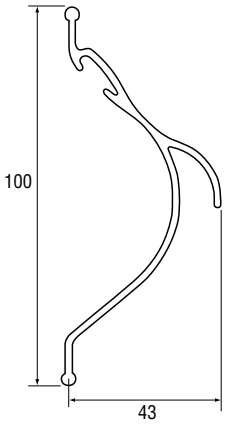


25 mm pitch/spacing between profiles
30 mm pitch/spacing between profiles

Performance

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 diagram showing limit drop size has been calculated for an air/water system at 20 °C and 1 bar.

The pressure drop is measured at ambient conditions (20 °C and 1 bar) through a number of assembled profiles at various pitches/spacing and under ideal conditions.



Technical specifications

Material code	Colour	Max. operating temperature °C	Weight kg/m	Thermal expansion coefficient $10^6 \cdot K^{-1}$
PPTVb *(standard)*	black	80	0.37	150
PPTVw	white	80	0.33	150
Al*	—	—	0.83	24

PPTV = Talcum reinforced polypropylene
Al* = AlMgSi0.5

**Anodised or coloured material on request.*

DH™ 2500 is developed and produced by Munters Euroform GmbH, Germany.

Order information

DH 2500-X-X-X

Material code
Length, mm
Number of profiles

e.g., DH 2500-PPTVb-800-25

If material is not specified PPTVb will be delivered!

The minimum length delivered is 200 mm and the maximum is 6,000 mm.

Ordered length tolerance ±2‰ at 20 °C.

Munters Europe AB, HumiCool Division, Kung Hans Väg 8, P O Box 434, SE-191 24 Sollentuna, Sweden. Phone +46/(0)8/626 63 00, Fax +46/(0)8/754 56 66.
Munters Euroform GmbH, Süsterfeldstrasse 65, PO Box 1089, DE-52011 Aachen, Germany. Phone +49/(0)241/89 00 0, Fax +49/(0)241/89 00 199.
www.munters.com

Austria *via sales organization in Germany,* Munters Euroform GmbH, Phone +49/(0)241/89 00 0, Fax +49/(0)241/89 00 199, **Denmark** *via sales organization in Sweden,* Munters Europe AB, Phone +46/(0)8/626 63 00, Fax +46/(0)8/754 56 66, **Finland** Munters Oy, Phone +358/(0)9/83 86 030, Fax +358/(0)9/83 86 0336, **France** Munters France S.A., Phone +33/(0)1/41 19 24 51, Fax +33/(0)1/41 19 00 17, **Germany** Munters Euroform GmbH, Phone +49/(0)241/89 00 0, Fax +49/(0)241/89 00 199, **Italy** Munters S.R.L., Phone +39/(0)2/488 6781, Fax +39/(0)2/488 1171, Munters euroemme S.p.A., Phone +39/(0)183/52 11, Fax +39/(0)183/521 333, **Kingdom of Saudi Arabia and Middle East** Hawa Munters, c/o Hawa United Cooling Syst. Co. Ltd., Phone +966/(0)1/477 15 14, Fax +966/(0)1/476 09 36, **Norway** *via sales organization in Sweden,* Munters Europe AB, Phone +46/(0)8/626 63 00, Fax +46/(0)8/754 56 66, **South Africa & Sub-Sahara Countries** Munters (Pty) Ltd, Phone +27/(0)11/455 2550/1/2, Fax +27/(0)11/455 2553, **Spain** Munters Spain S.A., Phone +34/(0)1/640 09 02, Fax +34/(0)1/640 11 32, **Sweden** Munters Europe AB, Phone +46/(0)8/626 63 00, Fax +46/(0)8/754 56 66, **Switzerland** *via sales organization in Germany,* Munters Euroform GmbH, Phone +49/(0)241/89 00 0, Fax +49/(0)241/89 00 199, **United Kingdom** Munters Ltd, Phone +44/(0)1480/442 340, Fax +44/(0)1480/411 332, **Export & Other countries** Munters Europe AB Phone +46/(0)8/626 63 00, Fax +46/(0)8/754 56 66, **Region Americas** Munters Corporation, Phone +1/(0)978 241 1100, Fax +1/(0)978 241 1214, **Region Asia** Munters K.K., Phone +81/(0)3/5970 0021, Fax +81/(0)3/5970 3197

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