

DropSTOP™

Droplet separator for cooling coils

DropSTOP

Equipment

- Optimised for cooling coils
- Extremely effective droplet separation
- Very low pressure drop
- Tailor made sizes
- Non-flammable
- Compact design
- Easy handling and installation
- Corrosion resistant
- ISO 9001 certified manufacturing

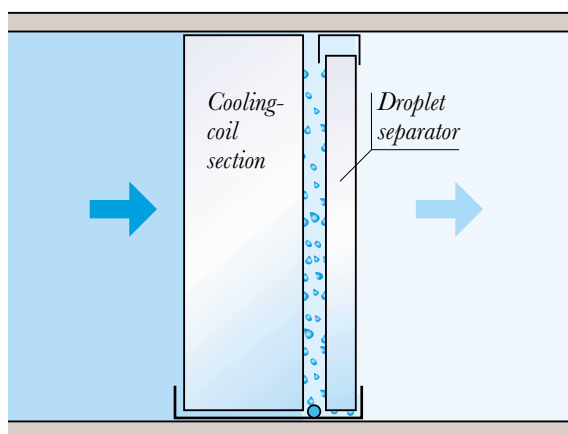
Munters DropSTOP droplet separator is highly efficient, it has been specially developed and optimised to remove droplet carry-over from cooling coils. DropSTOP droplet separator consists of GLASdek™3 media that is integrated into a stainless-steel cassette. GLASdek 3 media is a glass-fibre-based material that is non-flammable, elastic and easy to handle. The material is highly absorbent, with a capacity corresponding to 100 litres of water per cubic metre of media. DropSTOP droplet separators are produced as cassettes to ensure easy handling and installation. Several cassettes can be linked together to achieve the desired surface area.

Separation technology

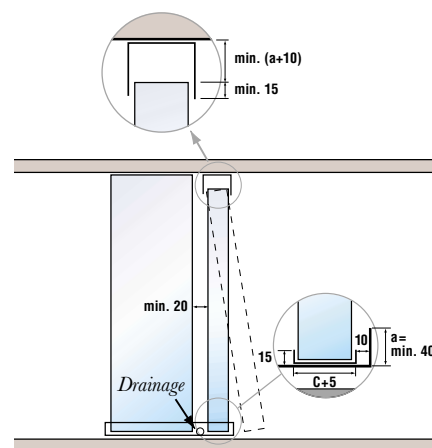
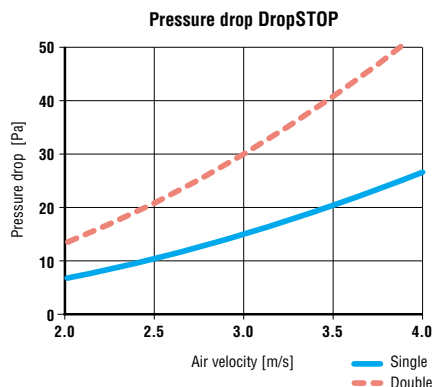
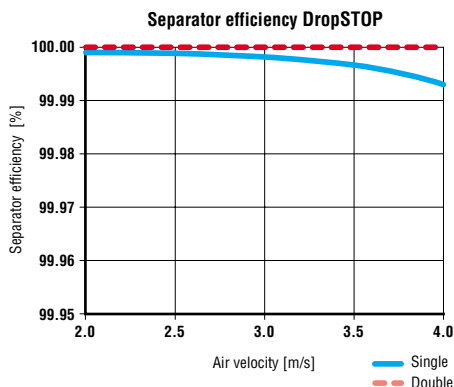
The droplet separator is built from a patented three-plane-fluted pad that is set at an angle to the flow of air. The separator absorbs the water droplets and transports them down through the material to the drainage section. The product has been optimised for the droplet-sizes produced by cooling coils. Its performance for this application is substantially better than that of traditional separators.

In cases of extremely high separation requirements, DropSTOP droplet separator can be delivered as a double thickness unit, which will, in principle, provide 100% droplet separation.

DropSTOP droplet separator works best with air velocities between 0 and 4 m/s.



Droplet separator in air-conditioning unit.



Cooling coils with level trough.
Dimensions in mm.

Technical description

DropSTOP droplet separator is designed to be installed vertically behind the cooling coil, sharing the same trough. In order to achieve an even air distribution and high performance, care must be taken when designing the drainage section.

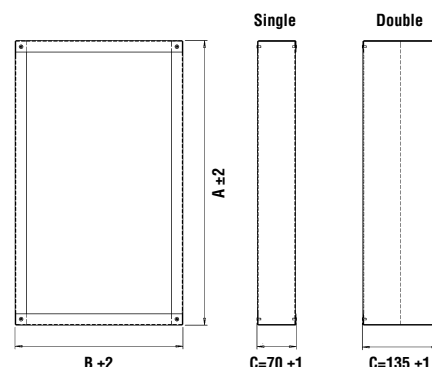
A typical installation consists of several separators placed side by side. Sealing strips should be used to seal

between the separators and to fill any gaps.

DropSTOP droplet separator normally requires little or no maintenance. For installations subject to dirty air, clogging of the separator may cause increased pressure drop. This is remedied by removing the separator and rinsing it clean with warm water.

Technical specifications

	Single	Double
Approximate weight [kg/m ²]	2.5	5.0
Max. operating temperature [°C] [°F]	50 [122]	
Fire rated as non-flammable according to	BS476:part7,class1 & CSTB: M1 & JIS A 1322, grade T1	



Dimensions in mm.

Order information

DSR-X-X-X

1=single / 2=double*
Width, B, mm (max 595)
Height, A, mm (max 2,400)
e.g., DSR-1-495-1150

*Non-standard product – delivered only on special request.

DropSTOP is developed and produced by Munters Europe AB, Sweden.



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