

GRIDS - Cooldrop Cooling Tower Splash Fill

The “Cooldrop” splash fill is the result of an extensive optimization of the lath width, the blockage area ratio and the lath layout.

The water droplets, splashing on a well drained lath, break in a large number of very small droplets, inducing large heat exchange surface. Blockage area ratio and lozenge layout is the optimized compromise between the pressure drop and the probability of large droplets to hit the laths.

The laths height has been selected to transfer the load to the supporting spacers using minimum material quantity.

The Hamon Cooldrop – Grids is the most efficient fill of its category.

It may be used as well in Counterflow as in Crossflow cooling towers, mechanical or natural draft.

It is well adapted to any water quality, even without water treatment, when the fouling risk cannot be determined, in particular with seawater.



Technical Specification

Material	PP	Size	750x750 mm or 350x750 mm or 1000x750 mm
Fire classification	M5 (without fire retardant)	Vertical Pitch	100 to 800 mm
	M3 (with fire retardant)	Typical weight	1,3 kg/m ²
Maximum debris size (diameter)	50 mm	Maximum total suspended solid	No limitation
Type of support	Suspended	Colour	black
Splashing specific surface	0,197 m ² /m ²	Wetted specific surface	1,57 m ² /m ²
Maximum salinity (sea water)	77 gr/l	Maximum water temperature (continuous operation with fan ON)	60 °C

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