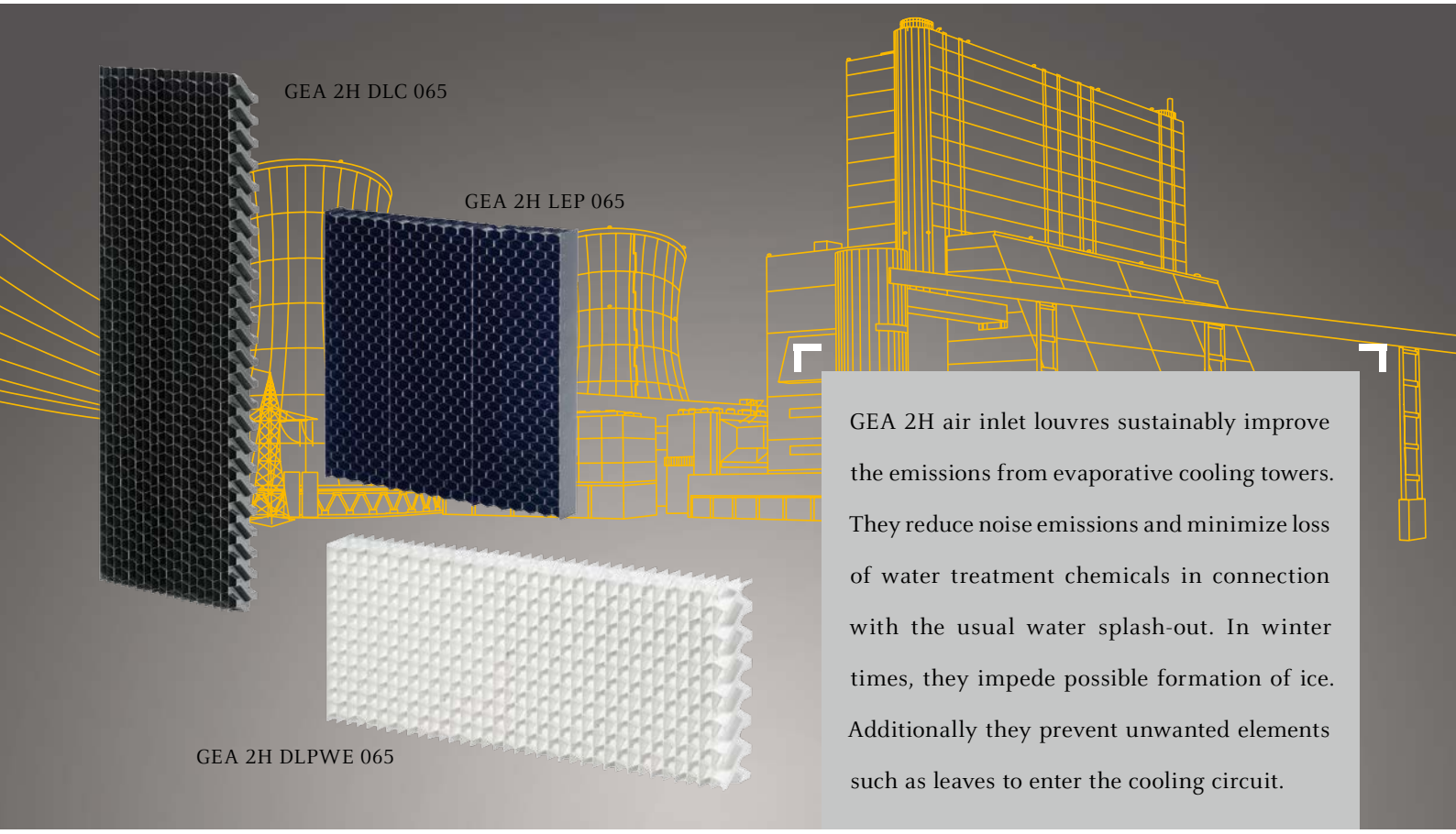
GEA 2H Air Inlet Louvres with HX-Factor

Reduce Cooling Tower Emissions



GEA 2H air inlet louvres sustainably improve the emissions from evaporative cooling towers. They reduce noise emissions and minimize loss of water treatment chemicals in connection with the usual water splash-out. In winter times, they impede possible formation of ice. Additionally they prevent unwanted elements such as leaves to enter the cooling circuit.

GEA 2H air inlet louvres improve the air flow into the cooling tower. At the same time they restrict the amount of sunlight and thus reduce algae growth.

GEA 2H air inlet louvres are made of PP and PVC which grants a high durability and a long service life. For regions with high insolation we offer the white colored louvres type DLPWE 065.

Of course flame retardant executions are available.

Our products have got the HX-Factor. It is our promise and stands for our unique competence in heat exchange (**HX** = **H**EAT E**X**CHANGE).

HX-Factors of our Air Inlet Louvres

- Suitable for cross- and counter-flow cooling towers
- Low pressure drop
- High stability
- Flexibility in material and dimensions facilitates adaptation to plant requirements

GEA 2H Air Inlet Louvres

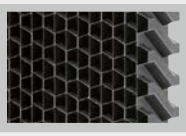
Technical Data

	PP	PVC
Max. height	2400 mm	
Max. width	700 mm	800 mm
Depth	63 mm	
Continuous operating temperature*	80 °C	60 °C
Max. operating temp. (short time)*	90 °C	60 °C

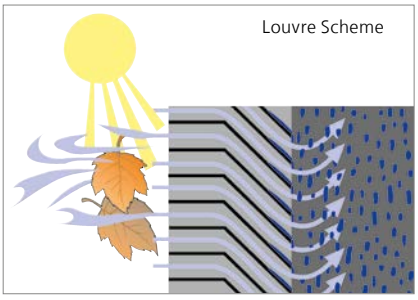
* Depending on recipe/additives higher temperatures can be reached by HT-additives.

Maximum tolerances: On all dimensions +/- 20 mm or 2 %, whichever is the greater. Higher tolerances by prior agreement.
Maximum application temperature: The operational temperature should be measured at the inlet pipe of the system and should not exceed the maximum application temperature stated in this brochure.

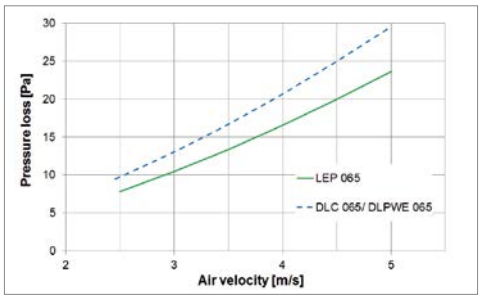
Types

Applications		Type	Material	Corrugation height mm	Additional information
Cross- and counter-flow cooling towers		LEP 065	PP	18	Special designs: LEP 065 with additional stiffeners
		DLC 065	PVC	23	Alternating corrugated and flat sheets
		DLPWE 065	PP (white)	24	Alternating corrugated and flat sheets

PVC-material: Unplasticized (uPVC)
PP-material: Impact-resistant, environmentally friendly
PVC and PP material: Resistant to rot, fungi and most dissolved chemicals, UV-stabilized
Flammability: Products in flame retardant version according to American and European standards available on request. National regulations on fire protection should be taken into consideration before choosing a product.



GEA 2H air inlet louvres minimize the water splash-out.



This information has been put together with greatest care. However, any performance data given in this leaflet is subject to compliance with certain surrounding conditions and hence may vary from case to case. Further, we reserve the right to make changes at any time without notice. We strongly recommend (i) reconfirmation with GEA 2H whether this information is still fully valid, before using it for final designs and (ii) to verify performance data taking into account the actual surrounding conditions. GEA 2H takes no responsibility for any consequences due to non-compliance with these recommendations.

TÜVRheinland ZERTIFIZIERT Management System ISO 9001:2008 www.tuv.com ID 9105070210

GEA 2H Water Technologies, Germany, is certified according to ISO 9001:2008

GEA Heat Exchangers

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