



Components for Cooling Towers

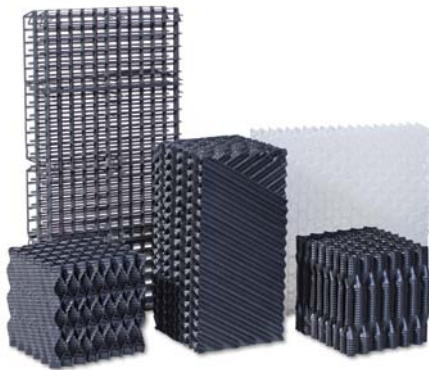


Solutions for the cooling tower industry

Know-how

Evaporative cooling towers are still considered the most efficient way of cooling process water at industrial sites all over the world.

With economic and ecological factors always an important consideration, construction and operation of wet cooling towers necessitates the use of efficient fills and drift eliminators. As the pioneer of plastic components for cooling tower applications we help our customers to meet their requirements.



Our components for cooling towers

Different requirements

Due to constant product development and optimization we offer many different fill media structures and surfaces that allow the adaptation of the fill to the specific water quality in the cooling circuit and thus improve the efficiency.

Advantages of 2H PLASdek® fills:

- Cross-fluted fills for high cooling capacity
- Vertical flow fills for high fouling applications
- Flexibility in dimensions
- Available in PP und PVC

Fills for counter-flow cooling towers:

The high cooling capacity of our KFP and FC10 film-type fills is achieved due to their well-known cross-fluted structure.

This structure allows an intensive mix of cooling water and air flow and together with the specific surface of the fill, is one of the prerequisites for a high cooling performance. Depending on the type of configuration we have specific surfaces between 100 and 243 m²/m³ available.

Due to the vertical orientation of the channels our KVP, KGP and FC33 fills minimise deposits on the surface. In applications with very poor water quality we recommend the use of our splash-type fills NET 150 or grid-media FC70 which are designed to facilitate disassembly and cleaning. Specific surfaces range between 70 and 125 m²/m³.



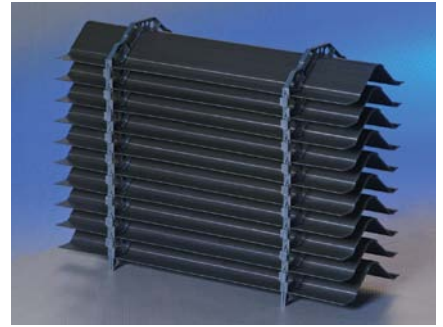
Fills for cross-flow cooling towers:

With our KSN and FX fills we offer special cross-flow fill design with louvre and drift eliminator sections adaptable to all existing cross-flow cooling towers.

Drift eliminators:

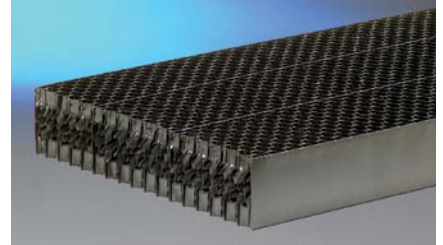
Our cellular drift eliminators TEP 130 and TEC 130 offer high separation efficiency and are suitable for the use in small and medium-sized cooling towers.

The drift eliminator profile TAP 160 is suitable for use in large cell cooling towers as well as natural draft cooling towers.



Air inlet louvres and spray nozzles:

Our product portfolio is completed with air inlet louvres LEP 065, DLP 065 and DLC 65 as well as spray nozzles type SPN.



Advantages of GEA 2H drift eliminators:

- High efficiency
- Low pressure-drop
- Flexibility in dimensions
- Available in PP und PVC

SANIPACKING®

In many countries the problem of Legionella pneumophila bacteria in the cooling water requires special attention. For such cases we have developed SANIPACKING® fills and drift eliminators that inhibit the growth of bacteria on the product surface.



Production and materials Flexibility

Most of our products can be produced in PP and PVC. With our patented manufacturing processes we can offer the reinforcement of the edges of our fills as well as a uniform material thickness across the surface. Material thickness and weight of the fills can be customized according to customer requirements.



Research & Development Best available techniques

GEA 2H Water Technologies operates a test cooling tower. This enables the rapid and extensive collection of performance data and forms the basis of continuous product improvement. So we can offer you the best available fills and drift eliminators today and in the future.





Excellence

Passion

Integrity

Responsibility

GEA-versity

GEA Group is a global mechanical engineering company with multi-billion euro sales and operations in more than 50 countries. Founded in 1881, the company is one of the largest providers of innovative equipment and process technology. GEA Group is listed in the STOXX Europe 600 Index.



GEA Heat Exchangers

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