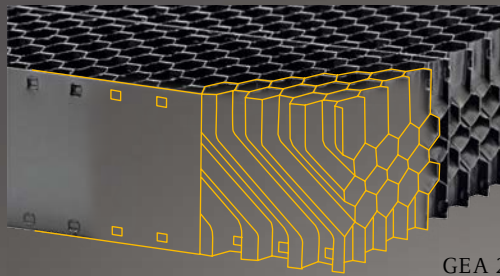
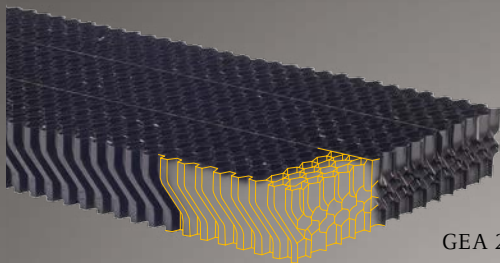


GEA 2H Drift Eliminators with HX-Factor

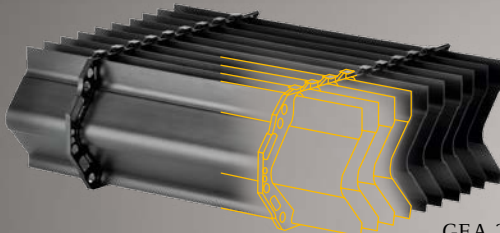
For installation in evaporative cooling towers



GEA 2H TEP 130



GEA 2H TEC 130



GEA 2H TAP 160

GEA 2H drift eliminators reduce water loss and emissions. The chemical and UV resistance of the PP and PVC material grants a long service life. GEA 2H drift eliminators types TEP 130 and TAP 160 are made of PP which remains stable and in shape even under high temperatures. The certification by EUROVENT, an independent inspection authority, proves the high efficiency of GEA 2H drift eliminators.

Modern re-cooling systems need to consider aspects of the environment and sustainability. For cooling towers this means it is important to reduce the loss of water and emissions. Therefore drift eliminators are used.

They are installed above the water distribution and cooling fills and catch the water drops that are carried away with the air flow and redirects them into the cooling water circuit.

GEA 2H Drift Eliminators are available in two different types. The profile (TAP 160) is mostly used in bigger, the module types (TEP 130 and TEC 130) in smaller cooling towers.

Our products have the HX-Factor. It is our promise and stands for our unique expertise in heat exchange (**HX = HEAT EXCHANGE**).

HX-Factors of our Drift Eliminators

- High separation efficiency due to product design
- Low pressure drop
- Flexibility in dimensions: adaptable in plant requirements according to customer request
- Quick and economical installation

GEA 2H Drift Eliminators TEP 130, TEC 130, TAP 160

Technical Data



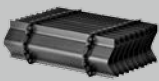
	TEP 130 PP	TEC 130 PVC	TAP 160 PP
Maximum length	2400 mm		6000 mm
Maximum width	700 mm	800 mm	330 mm
Height	125 mm		160 mm
Continuous operating temperature	70 °C	55 °C	70 °C
Max. operating temp. (short time)*	80 °C	60 °C	80 °C

*High temperature applications: Drift eliminators in high temperature version in PVC (up to 70 °C) and PP (up to 95 °C) available on request. Support distance should be decreased at higher service temperatures.

Maximum tolerances: On all dimensions +/- 20 mm or 2 %, whichever is the greater. Tighter tolerances by prior agreement.



Types

Application	Type	Material	Drift loss* %	Max. face velocity m/s	Drag coefficient	Pitch mm	Max. distance between supports mm	Additional information
Small or medium sized cooling towers	 Module type TEP 130	PP	≥ 0.0005 - 0.0007	4.5	2.2	18	1000	Special Design TEP 130 with additional stiffeners
Small or medium sized cooling towers	 Module type TEC 130	PVC	≥ 0.0005 - 0.0007	4.5	2.2	18	1000	Special Design TEC 130 with additional stiffeners
Large site erected cooling towers	 Profile TAP 160 with Spacer TAS 033	PP	≥ 0.0006 - 0.0012	4.0	2.6	33 / 38	1200	Thickness: 2 mm (+/- 0.2 mm) Spacer: TAS 033 (with 33 mm / 10 profiles per spacer) TAS 738 (with 38 mm / 7 profiles per spacer)

*Based on the CTI ATC-140 test method (Isokinetic Drift Test Code) and EUROVENT standard OM-14-2009. These limits are guidelines only. The performance of the drift eliminator is indicated by the ratio drift loss/water flow rate (in % of the circulating water volume). The efficiency of droplet separation depends on constant air velocity and an absolutely tight assembly of drift eliminator elements to each other and to the housing wall. The face velocity must not be exceeded at any point of the drift eliminator.

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.

Support structure: Recommendation for optimum solution for each application available on request.

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.

GEA Heat Exchangers

GEA 2H Water Technologies GmbH

Dieselweg 5, 48493 Wettringen, Germany
Phone +49 25 57 / 93 90 0, Fax +49 25 57 / 93 90 49
2h.hx.de@gea.com, www.gea-2h.com

