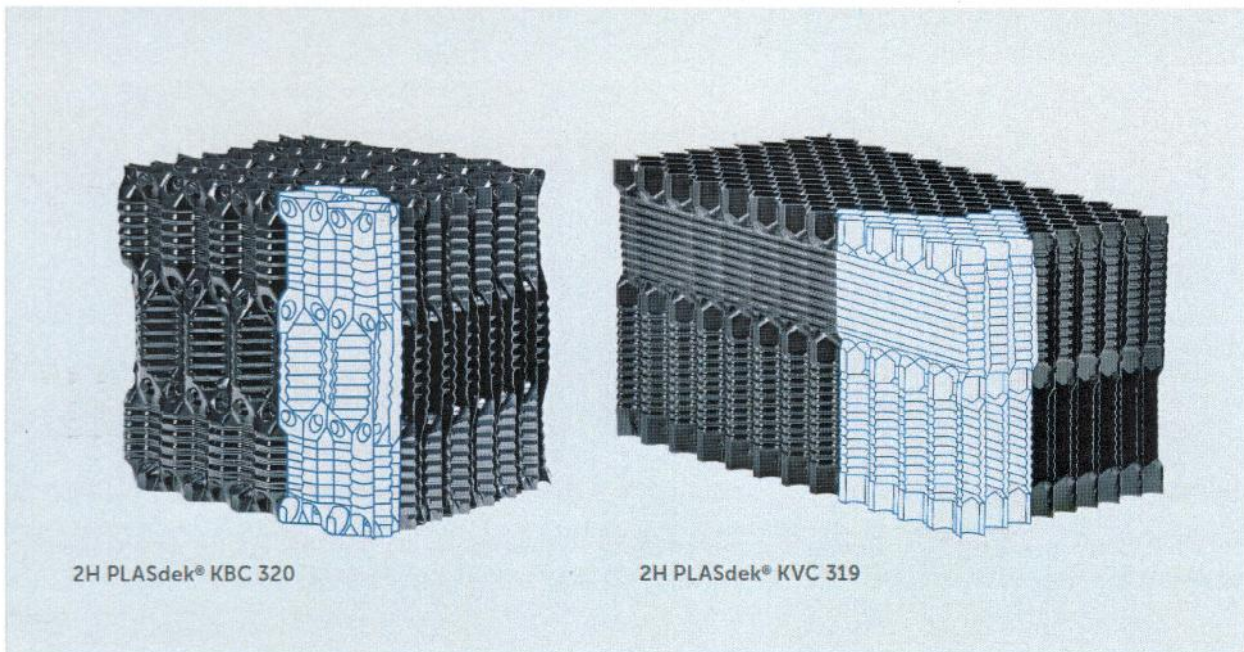


## 2H PLASdek® / CLEANdek VERTICAL FLOW FILLS

Efficient Water Recooling in Cooling Towers



2H PLASdek® KBC 320

2H PLASdek® KVC 319

2H PLASdek® and CLEANdek vertical flow fills are designed for the use in counterflow cooling towers with poor water quality.

With different types in PP, PVC and PPHT and different material thickness, our fills cover all customer requirements. Fill media in flame retardant or anti-bacterial types are available on request.

Bearing capacity and weight/m<sup>3</sup> depend on sheet thickness. It will be selected according to customer specification in consideration of process conditions and safety factors for temperatures, lifetime and material properties. Our experts recommend solutions for the support structure on request.

### Features of our 2H PLASdek® Vertical Flow Fills

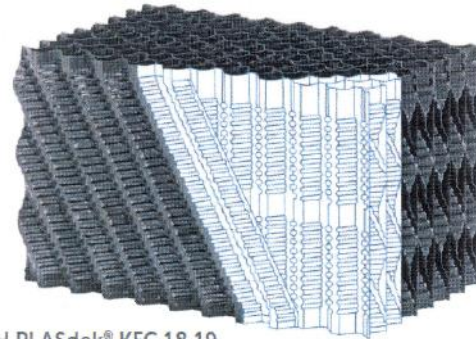
- Self-supporting structure due to high bearing capacity with variable sheet thickness
- High resistance to erosion provided by reinforced PP edges
- Low pressure drop due to vertical direction of all channels
- Long service life due to chemical, bacterial and UV resistance of PP, PVC and PPHT

2H PLASdek® and CLEANdek vertical flow fills excel in high operation reliability. The surface of the packings is designed to limit accumulation of solids and thick bio-films. The vertical channels and open interfaces support an optimum solids discharge.



Technical Data		
	PP	PVC
Maximum length	2400 mm	
Maximum width	600 mm	
Maximum height	300 or 600 mm	
Continuous operating temperature*	-20 – 80 °C	0 – 55 °C
Max. operating temp. (short time)*	90 °C	60 °C

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



2H PLASdek® KFC 18.19

**Maximum tolerances:** On all dimensions +/- 20 mm or 2 % whichever is the greater. Other tolerances and dimensions 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 temperature stated in this document.

**High temperature applications:** Fill media in high-temperature version in PVC (up to 75 °C) and PP (up to 100 °C) available on request.

		Types			
Application counter-flow cooling towers		Type	Material	Specific surface area m <sup>2</sup> /m <sup>3</sup>	Corrugation height mm
Strongly polluted water		KVP 323/623	PP	125	23
		KVC 323/623	PVC		
Slightly to moderately polluted water		KBP 320/620	PP	142	20
		KBC 320/620	PVC		
Moderately to strongly polluted water		KVP 319/619	PP	144	19
		KVC 319/619	PVC		
Polluted water		KVP 18.19	PP	150	18 / 19
		KVC 18.19	PVC		
Polluted water		KGP 320/620	PP	142	20
		KGC 320/620	PVC		

**PVC material:** Unplasticized (uPVC)

**PP material:** Impact-resistant, environmentally friendly

**PVC and PP material:** Resistant to rot, fungi and most dissolved chemicals, UV-stabilized

**Continuous vertical channels:** KVP media types can be installed with continuous vertical channels by a special installation system.

**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.

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 us 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. We do not take any responsibility for any consequences due to non-compliance with these recommendations.



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ENEXIO Water Technologies, Germany.  
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