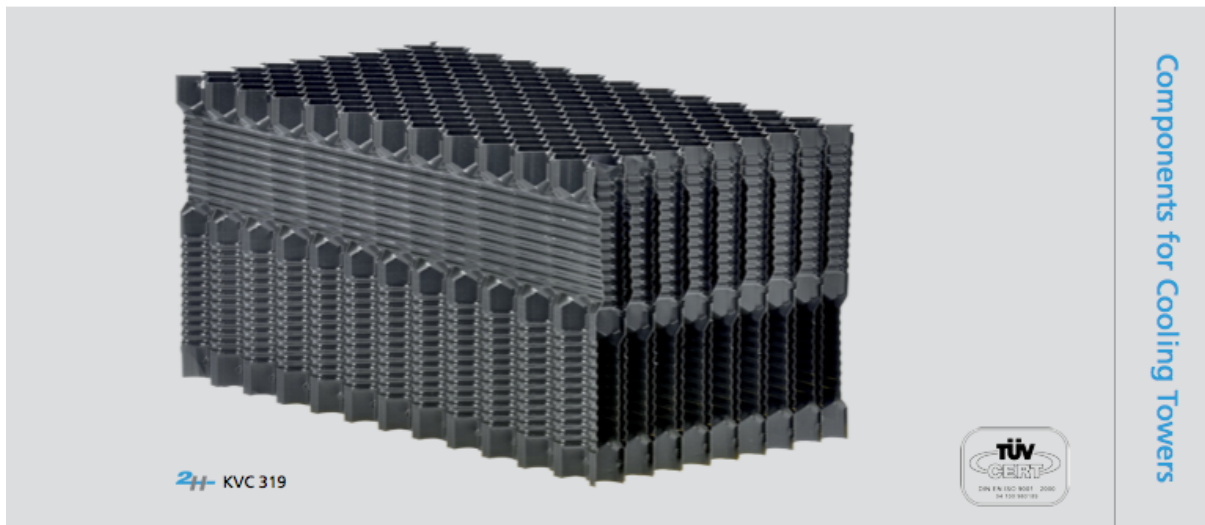


Performance characteristics

# Vertical Flow Fills

## KVP 319 / KVC 319



- ✓ Improved low fouling design
- ✓ Advanced operation reliability
- ✓ Optimized pressure drop
- ✓ Self-cleaning design
- ✓ Extended service life

### Important Information

The given data illustrates the ideal characteristics of cooling performance and pressure drop of GEA 2H fill media. The data has been collected from our test cooling tower and is only valid for the cooling effect through the fill media with uniform air and water distribution before and after the fill media. The optimum fill performance is only reached after a sufficient wetting period of 2-3 months.

The performance of a cooling tower not only depends on the performance of the fill media but also significantly on the boundary conditions of the cooling tower and the effects of its construction.

When the data is used for the cooling tower design, the specific boundary conditions as well as the effects of the tower construction, which will affect the overall cooling tower performance, should be taken into consideration. The actual cooling performance can deviate significantly from the ideal characteristic data of the fill media mentioned within this brochure.

GEA 2H Water Technologies GmbH does not take any responsibility for any calculation to establish the size of the cooling tower with our data no matter the scope or cause in law. We reserve the right to amend data without prior notice.

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GEA Heat Exchangers

## Vertical Flow Fill Pack KV619 CLEANdek

**CLEANdek KV619 Vertical Flow Fill Pack** combines consistent thermal performance with an anti-fouling flute design. The vertical fill pack is ideal for use in industrial process applications in which the water quality is poor or there are other contaminants, for example, in a food processing or chemical plant.

CLEANdek foils incorporate a specially engineered microstructure to generate the optimum water film distribution needed for efficient cooling. The open flute configuration has a low pressure drop characteristic and produces the higher water velocities needed to reduce clogging and create an anti-fouling environment.”

**CLEANdek KV619 Cooling Tower Vertical Flow Fill Packs** are manufactured in the 2H Way:

- **Availability in uPVC or PP materials** and in various pack weights from 20kg/m<sup>3</sup> to 65kg/m<sup>3</sup> to suit specific project requirements.
- **Direct extrusion processing that eliminates the ‘memory effect’:** CLEANdek foils are manufactured using GEA 2H’s patented ‘direct extrusion’ method formed directly from the original molten mass. The customer receives a ‘stress-free’ product that will retain its shape both during the installation phase and throughout its operational life.
- **Environmentally safe, robust construction without solvents and adhesives:** CLEANdek foils are thermally welded without the use of adhesives or solvents. As a result, CLEANdek foils are free from solvent and are not susceptible to hydrolysis, which can dissolve adhesive contact points.
- **Increased foil strength where it is required at bond points and pack edges.**
- **Options on Certification to various European and USA fire standards.**

### Help with Making the Right Product Choices

GEA 2H provides thermal performance charts and pressure drop curves for all Cooling Tower Fill Packs. Customers can also take advantage of GEA 2H’s in-house design software during the selection process.

**Call now** for free design advice on your next project **+44 (0)845 0039 114**

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