

Technical Information Crossflow Heat Exchangers

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Applications with Horizontal Heat Exchanger Plates

Heatex Model H heat exchangers with corrugated surfaces have a very stable and light (weight) design. It is therefore possible to recommend Model H also for applications where the heat exchanger is mounted with the plates in a horizontal position.



Please note restrictions for
plate heat exchangers in
horizontal applications

The following restrictions regarding maximum module width must however be considered:

- For H0600 with plate distance 2.7 and 3.0 mm a maximum module width of 800 mm is recommended. Wider applications may be constructed using two (or more) exchanger blocks.
- For all other plate distances (smaller and bigger) full maximum module width is applicable.

Model F is not recommended for applications where the heat exchanger is mounted with the plates in a horizontal position.

Model P has no restrictions for horizontal applications.

If heavy condensation is expected in the heat exchanger it is important to make sure that the condensate can leave the heat exchanger without restricting the air flow. Completely horizontal plates should then be avoided and an inclination of just a few degrees will be enough in most cases.