

DON'T GO WITH THE FLOW!

Geelen Counterflow®

**world's highest efficiency
world's lowest downtime**



GEELLEN COUNTERFLOW

VK..x..T.

INTERMEDIATE DECK

When added to any type of Geelen Counterflow cooler, the Intermediate Deck enables fast change-over between different production runs. When there are frequent changes of formulation on a production line, the Intermediate Deck will increase the average output capacity. There is no need to wait for the cooler to be empty before a new product can be introduced into the cooler.

The Intermediate Deck is closed just before new product enters the cooler. It is then temporarily held on the Intermediate Deck, while the previous product completes its cooling cycle in the main cooler bin. There is no compromise in cooling efficiency for either product during the change-over.

As soon as the main cooler bin is empty, the Intermediate Deck will open dropping the accumulated product into the main cooling bin. Subsequently the Intermediate Deck remains in the open position until the next product change.



COOL AND DRY!

INTERMEDIATE DECK



Sizes and capacities

Intermediate Decks are available in the same sizes as Geelen Counterflow coolers. The addition of an Intermediate Deck does not change the cooling capacity. The available retention time on the Intermediate Deck depends on the selected height of bin walls. Multiple bin walls heights are available, both for the main discharge decks and the Intermediate Deck.

Retrofitting

Intermediate Decks can always be retrofitted to existing Geelen Counterflow coolers, provided that enough height is available. There is no need for changing the air system.

Versions

The Intermediate deck TK is not perforated and suitable for products with high amounts of coating. The Intermediate deck TM has spot-perforation and is typically used for mash, crumbles or other small products. Both systems use a Pair-by-Pair (or "bombdoor") discharging which ensures a straight vertical drop to the main cooler deck. Construction of all contact parts is such that no product is left behind after discharging.

Material specification

Due to the higher moisture and temperature conditions, the Intermediate Deck is provided with stainless steel components. Bearings are maintenance free. The discharger system is opened and closed by hydraulic cylinder and power pack.