

Datasheet

Counterflow Pellet Coolers



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General

The Anderson Feed Technology counterflow pellet coolers are used for cooling pellets and expandate to nearly ambient temperature. By drawing air through a product layer the product is cooled.

Single deck cooler

Warm product is continuously fed into the cooling bin through the inlet valve. By drawing air through a product layer which is variable in height the product is cooled. Smooth discharging of cooled product into the outlet hopper is ensured by the discharge system.

Application

- With electrically driven triple grid discharge system: Cooling of feed pellets, wood pellets, pulp pellets, etc.
- With hydraulically driven swivel valve discharge system: Cooling of feed pellets, wood pellets, pulp pellets, expandate, full fat soya, etc.

Advantages

- Perfect cooling of the product
- Smooth discharging of cooled product into the outlet hopper
- Total emptying at the end of a run
- Bevelled corners in the outlet hopper to prevent product or fines to pile up

Double deck cooler

As single deck cooler, but in addition; An intermediate deck and the second cooling bin. In normal operation the intermediate deck is open, while the cooler is working like the single deck version. On product change-over, the intermediate deck is closed, just before the new product enters the cooler. The product is then temporarily held on the intermediate deck, while the previous product completes its cooling cycle in the lower cooling bin. Both products are being cooled at the same time. As soon as the lower cooling bin is empty, the intermediate deck opens fully, dropping all product in the lower cooling bin. The intermediate deck now remains open until the next product change.

Application

- With 2x hydraulically driven swivel valve discharge system: Cooling of feed pellets, wood pellets, pulp pellets, expandate, full fat soya, etc.

Advantages

- As single deck cooler, but in addition
- Enables fast change-over between different production runs.
- No need to wait for the cooler to be empty before a new product can be introduced into the cooler.