

Cooler HFK & Dryer HFT

Vibrating fluid bed coolers or dryers are used to cool or dry several different bulk material. This machines are applied for economic and precise cooling as well as homogenisation of hot used material or for drying process of bulk material.



Needed Data :

Product data

- Feed material
- Feed rate
- Bulk density (dry)
- Specific heat
- Grain size

Process data

1. Dryer section

Ambient air

- temperature:
- rel. moisture:

Product

- initial temperature:
- final temperature:
- initial moisture:
- final moisture:

Drying air

- temperature:
- volume:

Exhaust air

- temperature:
- relative moisture:

2. Cooler section

Ambient air

- temperature:
- relative moisture:

Product

- initial temperature:
- final temperature:

Cooling air

- temperature:

Exhaust air:

- temperature:
- relative moisture:



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