

Fluid bed cooler

The fluid bed cooler cools down the moulding sand which is conveyed from a crusher through an upstream magnetic drum into the cooler. The machine is not vibrating but stationary. The sand is fluidised by means of a special fluidisation plate by a powerful vertical air flow. It then has flow characteristics like water. When fluidised, the heat is released via contact heat exchange to a tube matrix with high surface passed by water. As positive side effect light organic binder particles are discharged via air flow and the L.O.I. of the reclaimed sand is reduced.



Your benefit:

- + Cools down organic bounded used sand
- + Discharges fines and organic dust
- + Reduces the L.O.I
- + Freshwater or circulation cooling possible

Technical data:

- Sand throuput: 10 t/h
- Cooling performance: from 200 °C to 40 °C
- Water throuput: 22 t/h (closed recooled circulation)
- Dimensions: B = 1.800 mm
L = 3.200 mm
H = 2.600 mm

