Dryer for yeast industry

Biotechnologie Kempe GmbH

Plant construction

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What we deliver:

- **Basic Engineering**
  - construction drawings for dryer head, cyclons and silos
  - process documentation
  - equipment documentation
  - piping and instrumentation documentation
  - electrical documentation

- **Hardware**
  - Control fittings
  - Ventilators, air conditioning unit,
  - blower for product discharge
  - Fluid bed dryer substructure
  - Measuring equipment and process control system
Process Data

- Wet yeast from extruder

  - flow rate: 5,000 kg/h
  - humidity: 32-34% dry substance
  - extrudates: files max. Ø 0.5 mm
  - range of batch size wet: 400 - 750 kg

- Dry yeast after drying

  - Humidity: 93 – 96% dry substance
  - range of batch size dry: 130 – 250 kg
  - temperature: 30 -35 °C
  - discharge time: approx. 8 -15 min
Flow sheet

Air conditioning unit

Dryer

Silo
Point of installation:
JSC Enzym * L'viv, Ukraine

Building of yeast dryer plant

Fluid bed dryer substructure

Dryer head and cyclone
Process control with FMC

Pannel for hand operation

Computer flow sheet
Dry yeast production

Input of extudates yeast

finished dry yeast
Other parts of dry yeast plant

Air condition unit
Discharge valve
Fluidisation part
Dry yeast silos