Molasses treatment for yeast industry

Biotechnologie Kempe GmbH

Plant construction

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What we deliver:

✓ Basic Engineering
  - construction drawings for tanks and sterilization tube
  - process documentation
  - equipment documentation
  - piping and instrumentation documentation
  - electrical documentation

✓ Hardware
  - Control fittings
  - Pumps
  - Heat exchangers
  - Agitators
  - Measuring equipment and process control system
Process Data

- 5,000 - 12,000 l/h diluted molasses from 38° to 42° Bx (wählbar) produced from raw molasses from 70° to 80° Bx

- Sterilization temperature: max. 130 °C

- Condensation of all resulting vapours to a condensation temperature > 10 °C than existing cooling water temperature

- Cleaning by full automatic CIP station

- All sections of molasses treatment station are designed to work full automatic

- Space requirement:
  - area: ca. 60 m²
  - space height: min. 4.5 m
Flow sheet
Compact design of a molasses treatment plant

Point of installation:
JSC Enzym * L'viv, Ukraine
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Pannel for hand operation

CIP Station

Sterilization tube