

Product Name :
Naugra Tall Form Spray Dryer and Chiller

Product Code :
NLAB-TECHNICALAB23007



Description :

Naugra Tall Form Spray Dryer and Chiller

Technical Specification :

Features

- Available as a Spray Dryer or as a Spray Chiller.
- Accessory sets are available to quickly change from drying to spray chilling
- Tall Form chamber straight side to diameter ratio of 3:1, conical discharge section
- Advanced 2-fluid nozzle atomisation system
- Supplied with optional nozzle configurations for counter- and co-current atomising Individual inlet and exhaust fans with variable speed control
- Bag filter and trace heating options
- Flexible controls and full instrumentation provided in the IP65 control console
- Easily dismantled for inspection and cleaning purposes
- Compact, mobile design

- Data logging facility for all key operational parameters
- Powder discharges from two points, chamber and cyclone
- Low noise levels
- Control & measurement of relative humidity
- Spark arrester on input and enhanced safety extraction fan.

Benefits

No clogging, no need for de-blocking devices

Co-current flow for drying heat sensitive products

Counter-current flow maximises chamber residence time for non-heat sensitive products

Residence times in the drying cylinder variable up to nine seconds

Easy connections to electrical and compressed air utilities

Data recording to computer speeds evaluation and comparison.

Unit Specification

General

Liquid feed: 2-7l/h from variable speed progressive cavity pump

Air flow: Up to 30scfm, using variable speed fans in 'push-pull' configuration

Chamber residence times: Variable up to nine seconds

Powder collection points: Separate chamber and cyclone discharge points

Atomisation nozzles: 2-fluid type

Spray Drying

Electric Air Heater: 4.5kW

Drying Air Temperature: 50 – 250°C

Evaporation Rates: 1.5 – 3l/h

Typical Particle Size Range: 20 – 120 microns

Naugralabequipments

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