



DESCRIPTION

The Armfield Laboratory Drum Dryer is designed for food, chemical and pharmaceutical research.

The unit can be used for product development or educational use, ideally demonstrating the many drum drying and flaking applications to students.

The equipment is supplied fully assembled and ready for connection to site services.

The liquid to be dried is fed into the valley created by the two drums, where it is applied to the drums as they rotate together. The dry product is removed by a knife on each drum.

The unit is constructed from stainless steel, providing cleanliness and resistance to chemical attack.

The drums are cast iron and engineering hard chrome plated to ensure maximum heat transfer and the ability to scale up results to production-sized equipment.

The shaft-mounted main drive speed is adjusted by electronic inverter in the control panel.

APPLICATIONS

Food stuffs

Milk
Fruit & vegetables
Yeast
Baby food
Instant cereals
Starches & flours
Pet foods

Chemicals

Detergents
Dye stuffs
Ceramic slips



TECHNICAL SPECIFICATION

Drum size: 300mm diameter x 200mm long
Drying duty: Max material feed rate 45 kg/hr
Max water evaporated 30 kg/hr
Steam consumption 40 kg/hr @ 6 bar

Operating temperature: 162°C max
Pressure: 5.5 bar max

ESSENTIAL ACCESSORIES

FT32-20 Vapour Extraction System

This is fitted above the dryer and draws the vapours produced when drying away through the fan and duct assembly.

FT32-21 Feed System

The stainless steel feed tank and variable-speed pump deliver the material to be dried through the solid pipeline to the dryer feed.

OPTIONAL ACCESSORIES

FT32-22 Applicator Roll

The applicator roll gives extra control for those materials requiring it.

FT32-23 Dip Tray

The dip tray is positioned under the drum and is used to simply apply a film.

REQUIREMENTS

Three-phase electrical supply:

FT32-C: 415V / 3ph / 50Hz
FT32-D: 208V / 3ph / 60Hz
FT32-E: 380V / 3ph / 50Hz
FT32-F: 220V / 3ph / 60Hz

OVERALL DIMENSIONS

Height: 1.50m
Width: 2.70m
Depth: 1.50m

SHIPPING SPECIFICATION

Volume: 6.1m³
Gross weight: 2,500kg

ORDERING CODES

FT32-C: 415V / 3ph / 50Hz
FT32-D: 208V / 3ph / 60Hz
FT32-E: 380V / 3ph / 50Hz
FT32-F: 220V / 3ph / 60Hz

ORDERING SPECIFICATION

- data



Detail of the FT32 drum rollers



FT32-20 Vapour Extraction System



FT32-23 Dip Tray



* Excluding DLM range



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