



armfield

HAMMER/BEATER MILL

FT2

Provisional



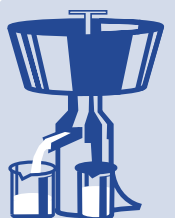
DESCRIPTION

The mill consists of a simple but sturdy overhung beater cross design with ease of accessibility and cleaning. The standard machine is of cast iron. The mill occupies a minimum of bench space.

A 1.5kW motor drives a beater cross at 8000rpm above a curved replaceable screen. In its new form the grinding chamber is mounted above the motor and the shaft is driven by means of a short toothed belt.

Food Process Engineering and Technology

FT



The Beater Cross

This consists of a four armed cross which revolves at a high speed and shatters or tears anything fed in through the throat from the small hand feed tray illustrated. Manufactured from a high grade steel alloy, it is carefully treated to obtain maximum hardness and strength, and is constructed so that it can be reversed when the leading edges are worn.

The Screens

The perforated plate type screen is fitted in the bottom section of the grinding chamber, and this regulates the size of the ground product.

With each machine 2 cast iron screen frames are supplied together with 1 each of 8 perforated plate screens having hole diameters 0.8, 1.0, 1.25, 1.5, 2.0, and 3.0mm.

Safety

The new arrangement has been specially designed to meet all the requirements of the U.K. Health and Safety at Work Act.

An electrically interlocked door which must be opened in order to change the screens or to remove the collecting bag, disconnects the current. It is impossible to start the machine until this door has been closed.

The inlet throat has been extended to prevent accidental injury to fingers as it is not possible to reach inside the grinding chamber.

To assist with cleaning, the front casing is fitted with a specially designed hinge so that the front can be dropped without the need to lift it away from the body of the machine.

Bearings

Roller and ball bearings are enclosed in a suitable housing and lubricated with high-speed grease, are of ample size to give trouble-free running over long periods.

Ground Sample Collecting System

For general laboratory grinding, the mill is supplied with bag collection. This is detachable from the metal frame which is clipped with the bag to the underside of the mill, and serves the dual purpose of collector and air filter.

SERVICES REQUIRED

Electrical supply:

FT2-A: 220-240V/1ph/50Hz

FT2-B: 120V/1ph/60Hz

OVERALL DIMENSIONS

Height: 682mm

Width: 414mm

Depth: 765mm

SHIPPING SPECIFICATION

Volume: 0.45m³

Gross Weight: 120kg

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