

CT 293 Cyclotec™

Rapid sample preparation in the busy laboratory



ANALYTICS BEYOND MEASURE

The CT 293 Cyclotec™ laboratory mill is ideal for rapid and flexible preparation of a wide variety of feeds, grains, leaves and more for NIR or reference analysis. A modern design ensures easy operation and maintenance.

Rapid, uniform grinding

Cyclotec provides rapid and convenient sample preparation for NIR and reference analysis and is excellent for all types of sample preparation when fineness and uniformity of particle size is essential. The self cleaning action enables whole series of samples to be ground with minimal cross contamination.

Flexible sample preparation operations

Dust collection options such as dust pads and external vacuum connection ensure dust free milling. The large sample bottle makes it possible to collect up to 350ml of ground sample.

Safe and easy operation

Innovative design ensures safe and easy operations. Grinding rings, screens and dust pads are easy to change, while the safety switch prevents accidental operation of the mill when open.

Sample type

General purpose sample mill

- Dry samples prior to wet chemistry or IR analysis.
- Low fat/low moisture samples (up to 15% Moisture and 10% Fat)

Technology

Grinds samples by a high speed action, rolling the sample against the inner circumference of a durable grinding surface and then passes it through a fine mesh screen.

The high volume air flow provides self cleaning action, enabling whole series of samples to be ground with minimal cross contamination.

Specifications

Performance data

Sample type	Dry samples up to 15% moisture and 10% fat, such as: Grains, cereals, seeds, pet-food pellets, hay, straw (dried and cut to 2-3 cm), silage (dried and cut to 2-3 cm), pelleted feed, leaves, tobacco, meat products, vegetables and fruit
Sample size	Up to 10 mm, large inlet up to 40 mm
Grinding rate/time	Appr. 4 g/s
Grinding speed	Impeller 10.000 rpm
Particle size	Fine and uniform grist
Timer	No
Safety	Microswitch, motor brake
Cleaning	Low cross contamination

Installation requirements

Power supply	200-240 V, 50 Hz, 100-120 V, 60 Hz
Power consumption	600 W
Net weight	21,2 kg
Dimensions (w x d x h) cm	31,7 x 30,7 x 45,2 cm

Accessories:

- Large sample inlet for easier loading of larger sample volumes or bulky samples such as forage
- Range of screens: 0.3 mm, 0.5 mm, 0.8 mm, 1 mm (0.5 and 1.0 is included) and 2 mm
- Glass sample bottles 350 ml 4 pcs/pkg and 40 pcs/pkg
- Dust collection options
 - Dust pads
 - Dust collection with external connection
- Grinding rings
 - Grinding ring for hard samples
 - Grinding ring for heavy metals
 - Grinding ring standard, Tungsten carbide
- Impellers
 - The standard impeller in aluminium
 - Nickel plated – for mineral analysis

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