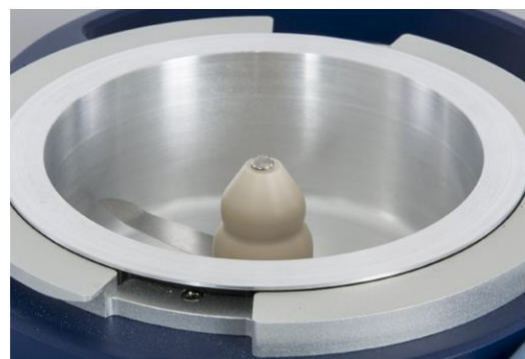


KN 295 Knifetec™

Rapid sample preparation of high-fat, high-moisture and fibrous samples



The KN 295 Knifetec™ laboratory mill is ideal for preparation of high fat, high moisture and fibrous samples prior to analysis, such as oil-seeds, prepared foods, meat products, fruit, vegetables, grains, seeds and feed.

Fast sample preparation

A high speed rotor ensures rapid sample preparation from two to ten seconds, preparing up to 200ml of sample in one go. Timer control ensures reproducible sample preparation time after time.

Easy and safe to operate

The modern design ensures easy operation. A removable sample bowl with lid makes sample handling easy, while a safety switch prevents accidental operation of the mill when the lid is removed. Knifetec can be operated single handed.

Built for the job

A robust design makes Knifetec easy to maintain and clean between samples with a water cooled grinding chamber that protects heat sensitive high fat samples.

Sample type

For high fat, high moisture and fibrous samples. Up to 200ml sample (30-200g)

Technology

Grinding with a high speed rotor blade and timer control ensures very fast and reproducible sample preparation time after time.

Several removable rotor blade options are available for different sample types.

Specifications

Performance data	
Sample type	High-moisture, high-fat and fibrous samples, such as: Grains, cereals, beans, oilseeds, nuts, peas - wet and dry, maize (corn) - wet and dry, pelleted feed and pet food (3-4 mm), pellets up to 6 mm - with lid for pellets, meat products, vegetables and fruit
Sample size	Maximum 200 ml, (30 - 200 ml)
Grinding rate/time	2 to 10 seconds
Grinding speed	Blade 16.000 rpm
Particle size	Depending on sample
Timer	Yes
Safety	Microswitch, solenoid
Cleaning	Manual
Installation requirements	
Power supply	200-240 V, 50-60 Hz
Power consumption	600 W
Net weight	7,5 kg
Dimensions (w x d x h) cm	19 x 32,2 x 23,7 cm
Water supply	2 l/min, 10-15°C

Accessories

- **Rotor blade sharp - standard:** The vast majority of applications work perfectly with this standard rotor blade.
- **Rotor blade for small sample volumes**
The blades are situated lower in the bowl than the standard rotor blade. In addition it has sharp edges.
- **Rotor blade for pellets**
The blades are situated on different levels, one lower and one higher, which helps to prevent pellets lodging under the rotor. In addition it has sharp edges.
- **Lid with funnel for pellets**
This lid with a mounted funnel feed, enables the user to safely add 'kibbles' (pet food pellets) with the lid in place and the motor running. This prevents 'tripping' of the safety cut out caused by overloading the grinding chamber in normal use.
- **Stainless steel sample tray**
A stainless steel sample collection tray, makes transfer of ground sample to sample storage bottle quick and easy.

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