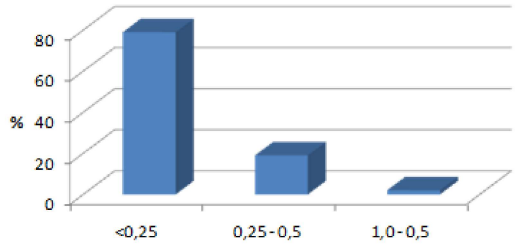
CT 193 Cyclotec™ with standard sample inlet and 125 ml bottle

CT 193 Cyclotec™

Rapid sample preparation for general laboratory analysis

The CT 193 Cyclotec™ offers a very rapid and convenient sample preparation in a variety of analytical techniques such as Kjeldahl, infrared reflectance, direct distillation, crude fibre and extraction. It is an excellent mill for all types of sample preparation where the requirements for fineness and uniformity of particle size are high.



Typical particle size distribution with a 1 mm mesh screen

CT 193 Cyclotec™ can be used for dry and low fat samples, up to 15 % moisture and 10 % fat – such as a wide variety of feeds, grains, leaves, etc. and also for grinding of chemicals, pharmaceuticals and similar products.

Description:

The CT 193 Cyclotec™ 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.

Accessories:

- Large sample inlet for easier loading of larger sample volumes or bulky samples such as forage
- Large sample bottle holder, for 500 ml bottles
- Range of screens: 0.3 mm, 0.5 mm, 0.8 mm, 1 mm (included) and 2 mm
- Bottles with lids, 125 ml and 500 ml
- Dust collection options
  - Dust filter pad (included)
  - Paper bags for dust collection
  - Dust collection with external connection
- Grinding rings
  - Tungsten Carbide – for grain and feed
  - Hard sample ring – for added durability
  - Steel grinding strip, self-adhesive, set of 3
- Impellers
  - The standard impeller in aluminium
  - Nickel plated – for added durability

Benefits:

- High grinding speed, 4 grams per second
- No thermal degradation of the sample
- Uniform particle size distribution
- Low maintenance demand
- Approved by AOAC prior to NIR analysis (4.2.10 17th Ed.)