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Oscillating Granulator

Models YK-160C / YK-320C

Application

Oscillating granulators are widely used in the pharmaceutical, chemical and nutritional industry for quick and efficient de-lumping and Particle reduction. These robust machines are built for research, pilot scale and full production. Enabled by its modular concept and its versatile sizing system provided by the rotary rotor movement, the sieve mill can be employed everywhere. Outputs start from as little as 50 kg per hour to 400 kgs. The PHARMTECH line of granulators are high quality, and are backed by a staff to help point your company in the right direction when choosing the model for a particular application.

Basic Working Principle

The rotating sieve mill guarantees optimum sizing results plus excellent flow rates. The 360-degree rotor movement ensures constant, uniform speed and force effect for gentle sizing of the product. The advantage of this process resides in an exceptionally low fine particle fraction in the end product, as well, the low mechanical stress allows for the capability of processing heat sensitive products.

The YK-160 is attuned to smaller batch production. With an output ranging from 50 kg/h to maximum 200 kg/h, it is tailor-made for small production batches and kilogram-size laboratory procedures. The YK-160 combines all of the advantages of oscillating milling of powders and granulate.

These machines can be used for powders with a particle size up to 5 cm (4 mesh). They show their real strengths with particle sizes as small as 250 μ m (60 mesh). Both models operate in continuous mode, providing identical results. Optimally engineered with removable front access door, the sieve, as well as the rotor is easily removed, enabling quick cleaning of the rotor chamber. A large selection of sieve types are available for use, (round wire, rectangular wire), including rasping and perforated plates, depending on the final result desired.

Performance and Characteristics

- Easy installation, maintenance and long service life
- All Stainless Steel in design
- Large non-marking castors
- Easy to clean Mirror polished side walls
- No cross contamination
- Low noise

Model YK-160C	
Specification	YK-160
Capacity (kg/h)	50-200
Power (kw)	2.2
Speed of cylinder (rpm)	65
Blade Swing angle (Degree)	360
Diameter of cylinder (mm)	160
Overall size (LxWxH)	1000x800x1300
Weight (kg)	450

Model YK-320C	
Specification	YK-320
Capacity (kg/h)	100-400
Power (kw)	7.5
Speed of cylinder (rpm)	65
Blade Swing angle (Degree)	360
Diameter of cylinder (mm)	320
Overall size (LxWxH)	1500x1200x1500
Weight (kg)	750