Laboratory Grinding Mill ARES

FML-0100 / FML-2000

FILTRA manufacture two different models of laboratory Grinding Hammer Mills, in order to cover the different customer needs: ARES FML-0100 is a small and economical one for milling small quantities of product and ARES FML-2000 with the double of capacity for biggest quantities of product or biggest articles.

They are used to grind a wide variety of soft, semi-hard and hard materials, such us, cereals, spices, vegetables, plastics, resins, minerals, earth, stone, coal, etc. with a particle feed size of +/- 15 mm in FML-0100 and of +/- 20mm in FML-2000.

The feeding is supplied by a hopper located at the top and can be dosed manually using a chopper. The door has a quick locking with a safety micro-sensor which stops the rotation of the hammers when it's opened.

Both the front and loading hopper are manufactured from mirror-polished AISI 304 stainless steel. In the interior the 3 hammers are made from anti-wear AISI 410 stainless steel. The equipment includes an easily interchangeable sieve with round perforations.

In ARES FML-2000 model, plus the sieve, the blades and the toothed crown are also interchangeable, and can be easily removed for cleaning without using any key. This model incorporates a potentiometer to regulate the engine speed.

Examples of application:

Grain food, cereals, seeds, spices, vegetables, stones, earth, minerals, resins, plastics, chemical products, construction materials, ceramics, pharmaceutical products, etc.

MODEL	Timer (min)	Tension	Power (Kw)	Speed (rpm)	Grinding chamber Dimensions (mm)	Loading hopper Volume (l)	Grinding chamber Volume (l)	Drawer Volume (l)	Weight (kg)	Number of hammers	Size of sieve holes (Ø mm)	Máximum Hardness (Mohs)	Maximum size of particle at the entrance (mm)	General dimensions (mm)
FML-0100	0 - 99	220-240 V (50-60 Hz)	1,9	3000	Ø110x66	1,2	0,4	1	38	3	1,2,3,4,5	6-7	15	225 x600 x420
FML-2000	0 - 99	220-240 V (50-60 Hz)	2,6	3000	Ø150x88	5,5	1,2	2	72	3	0.5, 0.8, 1, 1.5, 2, 2.5, 3,4,5,6	6-7	20	520 x700 x700