

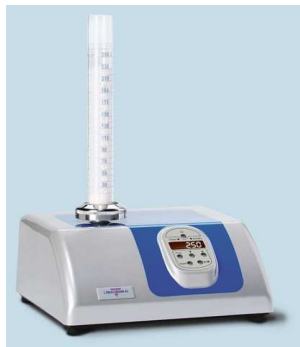
LABORATORY Technology

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- * Dimensions in mm unless otherwise specified
- * Specifications may change without notification

JOLTING VOLUMETER STAV II



Jolting Volumeter STAV II

Measuring Cylinder

Noise Damping Hood

Range of Application

The apparatus is used for the determination of the apparent volumes before and after settling, the ability to settle as well as the tapped density acc. to the European Pharmacopoeia, DIN ISO 787 Part 11, ISO 3953 and ASTM B 527-93. The possibility of using measuring cylinders of 10, 25, 50, 100, 250, 500 and 1000 ml opens a wide range of industrial applications for this kind of equipment. Investigation of powdery, fibrous and granular products can be performed.

Construction

The distinguishing features of the new jolting volumeter STAV II in modern soft design are the round shape and the metallic surface. The main parts of the STAV II are a modern silver metallic plastic housing with single-phase AC motor 230 V, the jolting mechanism with clamping device for the measuring cylinder and the ON and OFF switch. The new control unit with functional display for simplified operation is arranged in the housing. The ergonomic properties are improved due to the optimized arrangement of the display. In addition, the new design offers the advantage of easy cleaning.

The weight and graduation of 250 ml measuring cylinders is standardized according to ISO 4788.

Case dimensions: 460 x 360 x 400 mm
Dimensions (without measuring cylinder)
290 x 330 x 180 mm

Technical Data

- Speed of camshaft: 250 rpm +/- 15 rpm
- Single-phase AC motor, single phase and condenser
- 50 Watt
- Weight of measuring cylinder and clamp: 675 g +/- 45 g
- Dropping height of guide punch: 3 +/- 0.1 mm
- Noise level acc. to DIN 45 635: about 80 dB(A)
- Cable with safety plug: 1.5 m long

Noise Damping Hood

Range of Application

By using the noise damping hood you can reduce the noise level of your jolting Volumeter.
Noise level without hood about 80 dB(A)
Noise level with closed hood about 58 dB(A)
Due to its decorative design the hood fits into any laboratory.

Construction

Housing of wood-plastic-compound, pressed under high pressure, very stable. Hood in the form of a front pane of plexi glass, transparent, counter and measuring cylinder can be watched when the hood is closed. The front pane can be arrested in any desired position due to a memory hinge. The noise-damping lining of Sonex foam material ensures the best possible noise absorption. An extra thick bottom plate is coated with sound absorbing material preventing the resonance effect.
Dimensions (inside): L 400 x W 430 x H 550 mm
Dimensions (outside): L435 x W 450 x H 570 mm

Test Screening Machine JEL 200-II



Test Screening Machine

Test Sieves

Range of Application

The unit serves to analyse dry powdery to coarse grained materials. By using sieves with different mesh openings respectively perforations, the material sample is almost tolerance-free classified into its grain composition.

The achieved reproducible values provide information making it possible to draw conclusions for milling, grinding and other processes.

Operation

This analysis screening machine operates according to the horizontal screening principle with horizontal vibrations. Speed and length of stroke have been optimized based on decades of experience. In laboratories of the industrialized countries there are at present tens of thousands of ENGELSMANN screening machines which operate to this largely unchanged principle.

Construction

The distinguishing features of the test screening machine JEL 200-II in modern soft design are the round shape and the metallic surface. The main parts of the JEL 200-II are a modern silver metallic silumin housing with one-phase AC motor, the holding device for the test sieves and the ON and OFF switch. The control unit with functional display for simplified operation is arranged in the housing. The ergonomic properties are optimal due to the arrangement of the display.

Model

JEL 200-II, 230V 50Hz

*special frequency on request

Cover

Bottom with effective height 25 mm

Bottom with effective height 50 mm

Code no.

05 34 1000 0015

430 13 0079

430 13 0077

430 13 0078

Technical Data

- 15 mm stroke
- 270 r.p.m.
- noise emission acc. to DIN 45635, 70dB(A)
- can be used with 8 test sieves, each 25 mm high, plus cover and bottom or with 4 test sieves, each 50 mm high, plus cover and bottom

Net weight: approx. 24 kg

Dimensions: approx. 410 x 380 x 630 mm

Test Sieves

Range of Application

Determination of the grain size distribution of bulk goods in laboratories and production. Our test sieves are only covered with selected wire fabrics acc. to DIN ISO 3310, A.S.T.M.E-11-87 or on request acc. to B.S. 410 and AFNOR. For especially precise separations, precision sieves with individual test certificates are recommended. For the analysing process itself, our test screening machine JEL 200-II is used.

RRM

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Drum Hoop Mixer RRM Mini-II



Range of Application

The instrument is used for mixing powdery to granular products. It can also be applied for dyeing plastics, for mixing solid and liquid media and/or similar duties.

Operation

The diagonal insertion of mixing receptacles in the drum hoop causes a tumbling movement during mixing. The arrangement of the receptacle walls and the rotation of the drum effect uniform, three-dimensional displacement of the feed.

Construction

The distinguishing features of the drum hoop mixer MINI II in modern soft design are the round shape and the metallic surface.

The main parts of the MINI II are a modern silver metallic plastic housing with DC motor 24 V, the drum hoop cast of Silumin with built-in receptacle base and the ON/OFF switch. The control unit with functional display for simplified operation is arranged in the housing. The ergonomic properties are optimal due to the arrangement of the display. In addition, the drum hoop mixer offers the advantage of easy cleaning.

Technical Data

- Speed infinitely adjustable 5 – 40 rpm
- Noise level acc. to DIN 45635: 70 dB(A)
- The drum hoop mixer is designed for a filling degree between 40% and 70% and a maximum product weight of 5 kg

Net weight: approx. 9 kg

Dimensions: approx. 280 x 350 x 350 mm

Model	Material	Code no.
RRM Mini-II		05 75 6000 0007
Drum 5.5 litre	plastic glass	125 65 0001
Drum 5.0 litre	s/s 1.4301	205 13 6000 020 01
Mixing insert 5.0 litre		
	1.4541	203 13 3150 000 16
Adapter for optional use of 2 litre and 5 litre drums		
polyamid	205 75 6000 015 02	
Drum 2.0 litre	1.4301	205 13 0048
Mixing insert 2.0 litre		
	1.4541	203 13 3150 000 18

Special execution

The pictures show a drum hoop mixer MINI which mainly consists of the modern silver metallic plastic housing – with built-in motor and roller track as well as the drum hoop with built-in drum base, for fitting of the 2.0 l stainless-steel receptacle with the necessary adapter of plastic. Stainless-steel receptacles for 5.0 l are also available.

Additional equipment

The mixing intensity of powdery products can be improved and accelerated by using a three-blade mixing insert in the stainless-steel container. The mixing insert is put on the bottom of the drum and clamped by closing the drum cover.



Automatic Pigment Muller JEL 25/53



Range of Application

This machine is used for grinding pasty pigments in laboratories. The purpose of this process is to determine the consistency and density or colouring power of pigments. Test series can be carried out with product quantities of 3 to 7 g. It is also possible to test similar products under identical conditions.

Construction

The picture shows an Automatic Pigment Muller JEL 25/53 consisting of base plate with built-on gear motor, lower disk, the hinged upper disk, the bow with weights that can be removed manually, the pre-selector and behind it the ON/OFF switch. Both disks are provided with one glass plate each. The base area of the machine is about 600 x 480 mm, the height without lever about 400 mm. The grinding plates of glass are smoothly ground and have a diameter of 250 mm. By means of the weights included in the delivery optional loading with 8.5; 25; 37.5; 50; 62.5; 75; 87.5 und 100 kg is possible. The counter shows five digits. The machine is provided with an impact-proof hard varnish coating, the rods for the movable parts as well as the holding rings of the glass plate are Chromium-plated, the knobs are made of plastic. All bearings are arranged in such a way that easy adjusting is possible in case the glass plate is worn out.

Technical Data

Motor: 0.37 kW
Net weight: approx. 80 kg
Dimensions: approx. 600 x 480 x 400 mm

Model	Code no.
JEL 25/53 (DS)	05 01 4000 0001
Standard execution 230/400V, 50Hz	
*Special frequency on request	
JEL 25/53 (DS) with water cooling system	05 01 4000 0008
Glass plate	125 99 0012

Special execution

If desired, the JEL 25/53 is also available with a water cooling system in the upper glass plate. The liquid is led through a labyrinth consisting of cross ribs. Continuous feeding of cooling water is provided via the inlet and outlet nozzles for hose connection. The cooling plate can also be installed subsequently.

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