

THINKY

An amazing mixer with a rotating and revolving method.

Revolutionary is a mixer with a rotating and revolving method. Non-bubble and equal stirring can be simultaneously disposed of that had been impossible. It has been applied in the various fields such as drug, food industry and high tech medical treatment.

High-speed material rotation under strong acceleration 400G.

A stirring case rotates with a high speed. Under strong acceleration 400G, material rotates with a high speed and bubbles are pushed away.



Mix, Disperse and Degas Completely in Seconds

Planetary Centrifugal Mixer

THINKY "Vacuum" Mixer

ARV-310

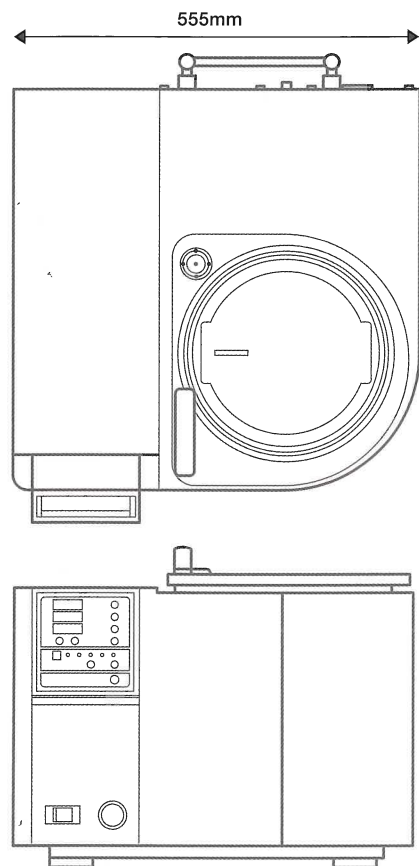
Squeeze and vacuum air bubbles completely from the mixture. This is the power of vacuum centrifugal mixer

- Disperse and de-agglomerate all types of materials.
- Deaerate very quickly so that the remaining air bubbles are sub-micron in size regardless of viscosity.
- Because the mixer exerts 400G centrifugal forces, it is not necessary to monitor system and a spillage is not an issue.
- Vacuum units are display in either KPa or Torr.
- Operation is easy. Materials are loaded into the mixing container and the start button is pressed. The mixing and defoaming process can be controlled using preprogrammed steps.
- Precise mixing control can be achieved using up to 5 different sequential mixing steps in a cycle.

For the Best mixing Result



THINKY Mixer ARV-310



Typical Vacuum Process

Vacuum deaeration is a time consuming work, which requires your dedicate monitor on materials for overflow control, through long time processing.



ARV-310

ARV-310 causes NO material overflow in the process. Process itself will be done in minutes.

The lid slides and has a wide open working area.



Included Accessories (from the left)
300ml container HDPE x 3 pieces
150ml container HDPE x 1 piece
150ml adapter x 1 piece

ARV-310 Main Specifications

Model	ARV-310	Multi-Step Mixing	1-5 steps in a slot	Dimensions	H450×W555×D645 (mm)
Product Name	"Planetary Centrifugal Mixer THINKY Vacuum Mixer"	Vacuum Chamber	Rotator in Vacuum	Weight	Approx. 90kg
Method	Non-contact, planetary motion centrifugal mixing method	Vacuum pump capacity	0.27 kPa (2Torr), 100 liter / minute	Safety Features	Lid Locking system, Vibration Sensor, Rotation speed sensor, Emergency Button
Timer setting range	0 seconds to 30 minutes	Vacuum range	0.67 Kpa (5Torr) - Air pressure		
Program Memory	9 slots	Revolution Speed	0, 200 - 2,000RPM 10RPM Increment		
Maximum mixing capacity	Air 250ml Vacuum 200ml	Rotation Speed	0 - 1000RPM Follows 1/2 of Revolution speed		
Maximum mixing mass	250 g (NET)	Power Supply	Single Phase AC230V±10% 50hz/60hz Power consumption Standby : Approx. 50VA Operating : Max. 1,200VA		
Upper limit using a 300ml container	Air 250ml, 310g (GROSS) 250ml, 250g (NET) Vacuum* 200ml, 310g (GROSS) 200ml, 250g (NET)	Operating Environment	10-35°C, 35-85%RH (Non-condensation)		

Optional Adapters



Please ask THINKY sales representatives for all adapters available in your country or custom made adapters for your specific containers.

- * Use inner and outer lids with an air vented hole.
- Specification is subject to change without notification.
- The unit is NOT explosion-proof.
- The mixing results may vary depending on processing conditions or materials.
- Material could heat by shear given in the process.

Visit our web site for product information and exhibition schedule
<http://www.thinky.co.jp/en/>



THINKY Business Partner ;

THINKY CORPORATION

Pioneer of planetary centrifugal mixers

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