

THINKY

Our amazing mixer with
a rotating and revolving method
accelerates a mixture, empty materials, and
the liquid and solid materials are separated
from the mixture.

High-speed material
rotation under strong
acceleration 400G.

High-speed rotation
High-speed rotation
High-speed rotation
High-speed rotation



Mix, Disperse and Degas Completely in Seconds

Planetary Centrifugal Mixer

THINKY "Vacuum" Mixer

ARV-310

Squeeze and vacuum all air bubbles out from the mixture
This is the power of vacuum centrifugal mixer

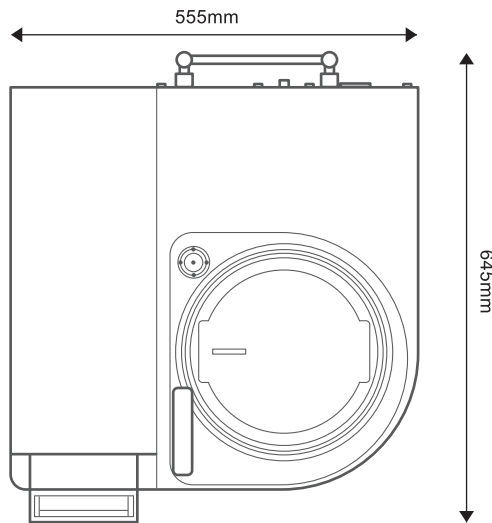
- Disperse and de-agglomerate all types of materials.
- Deaerate down to sub-microns extremely rapidly due to centrifugal mixing process in vacuum pressure, regardless viscosity of materials.
- NO overflows, NO monitor of the system. 400Gs force applied to materials has ended overflow materials in degassing process.
- Select your preferred unit of measurement. KPa or Torr
- Easy operation. Load material container and press the start button. Process can be controlled as programmed.
- Precise control on materials. Program different 5 sequential mixing steps in a cycle.
- Recall the programmed cycle. 9 memory slots are available.

For
the Best
Result



Planetary Centrifugal Vacuum Mixer

THINKY Mixer ARV-310



Typical Vacuum Process



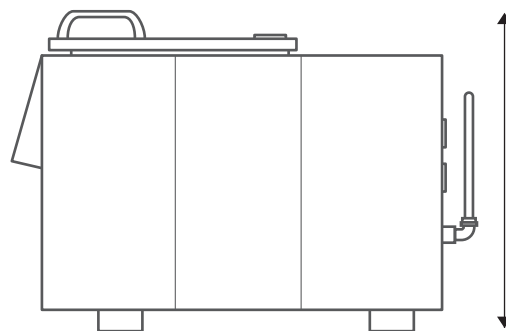
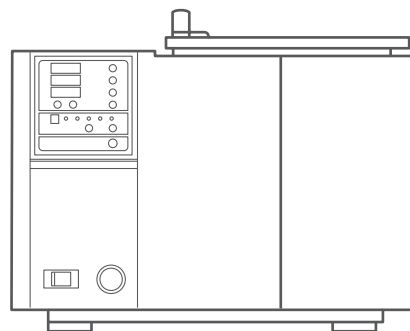
Vacuum deaeration is a time consuming work, which requires your dedicate monitor on materials for overflow control, through long time processing.

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.



Standard Accessories ;

- (1) 300ml reusable container x 3 pieces
- (2) 150ml reusable container x 1 piece
- (3) 150ml container adapter x 1 piece

ARV-310 Main Specifications

Model Number	ARV-310	Vacuum Chamber	Rotator in Vacuum	Unit Dimensions	H440×W555×D645 (mm)
Product Name	"Planetary Centrifugal Mixer THINKY Vacuum Mixer"	Vacuum pump capacity	200 Pa (2Torr), 100 liter / minute	Unit Weight	90kg. (198lb.)
Method	Non-contact, planetary motion centrifugal mixing method	Vacuum Pressure	0.67 Kpa (5Torr) - Air pressure	Safety Features	Lid Locking system, Vibration Sensor, Rotation speed sensor
Process Cycle Time	1 seconds to 30 minutes	Revolution Speed	0, 200 - 2,000RPM 10RPM Increment	Standard Containers	300ml or 150ml jar, HDPE
Program Memory	9 slots	Rotation Speed	0 - 1000RPM Follows Revolution Speed / 2		
Maximum mixing capacity (gross weight)	Air 250ml, 310g (300ml jar) 150ml, 310g (150ml jar) Vacuum* 200ml, 310g (300ml jar) 120ml, 310g (150ml jar)	Power Supply	Single Phase 100VAC ±10% 50hz/60hz Power consumption Standby : 50VA // In process : 1,100VA		
Multi-Step Mixing	1-5 steps in a cycle	Operating Environment	10-35°C, 35-85%RH (Non-condensation)		

* Process half of ML capacity of your mixing cup with no use of its lid. Lid is with hole in the middle.

- Specification is subject to change without notification.

- The mixing results may vary depending on processing conditions or materials.

- The unit is NOT explosion-proof.

- Material could heat by shear given in the process.

Optional Adapters



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

Pioneer of Centrifugal Mixer

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