

Planetary Centrifugal Vacuum Mixer

THINKY MIXER ARV-501CE



Mid-size mixer for manufacturing with vacuum option

- ✓ THINKY's original cup holder design minimizes space and significantly reduces time to reach and release vacuum
- ✓ Newly added defoam mode can be used with or without vacuum
- ✓ Dedicated stand with the built-in vacuum pump enables to save the footprint
- ✓ Ease of the touch operation
- ✓ PC connectivity enables traceability
- ✓ Adapters for various containers are available

Optional

PU-501CE
Stand with Built-in
Vacuum Pump for
ARV-501CE



Maximum
capacity

700 g

Standard
container

550 ml
HDPE
container

Operation screen of touch panel

- 1** **THINKY** ARV-501
あわとり練太郎
日本語バージョン English Version
THINKY CORPORATION
Pioneer of planetary centrifugal mixers

2 **THINKY** Process Status
Remaining Time 120 sec Step & Rem. Step Time 1 90 sec
Speed 0 rpm Vacuum Pressure 101.6 kPa Mode Mixing
Recipe Name Recipe1 START
Process Status Recipe Editor Utilities

3 **THINKY** Utilities
Integrated Value Ref.
System Version
Backlight brightness adjustment
日本語 English
Service Mode
Process Status Recipe Editor Utilities

4 New Load Save Delete Steps StepDel.
Recipe Name Recipe1
Step Time (sec) Speed (rpm) Vac. Press. (kPa) Mode Select Recipe
1 90 1000 30.0 Mixing
2 30 500 --- Mixing
3 0 0 --- Mixing
4 0 0 --- Mixing
5 0 0 --- Mixing
Total step time 120
Process Status Recipe Editor Utilities

5 **THINKY** RecipeName Edit
Q W E R T Y U I O P
A S D F G H J K L
CAPS Z X C V B N M BS
?123 - ,
OK Cancel

6 Err01
Cover is open.
<Cause>
Operation was started with the lid open.
The lid was opened during operation.
<Measures>
Close the lid to operate.
Buzzer Stop OK

1 Initial screen

2 Screen of operation control

3 Screen of utility selection

4 Screen for editing recipe

5 Screen for recipe-name input

6 Example of alarm display

Specifications

Model	ARV-501CE
Product	Planetary Centrifugal Mixer (Vacuum type)
System	Vacuum-type, planetary, propeller-less mixing
Operation Time Setting	Timer setting range: 0 s to 30 min in 1 s increments
Revolution/Rotation Speed (rpm)	<div>Mixing Mode</div> <div>Defoaming Mode</div>
Maximum Capacity *1	700 g
Standard Container *2	550 ml HDPE container
Vacuum System	Vacuum system within container holder
Ultimate Vacuum	0.67 kPa

*1: Total mass to mount on the cup holder, including materials, containers, and adapters.

*2: Contact us because the actual volume of mixing may vary depending on the containers, materials, and conditions.

Power Supply	Voltage: Single-phase AC 200 to 240 V \pm 10 %, 50/60 Hz Power consumption: Approx. 50 VA (standby) Max 2000 VA (operation)
Programming Function	20 memories with 10 steps
Safety Mechanism	Lid locking sensor, Vibration sensor, Speed sensor
Operating Environment	0 to 35 °C, 35 to 80 % RH (without condensation)
Unit Dimensions	H815 × W500 × D601 (mm)
Unit Weight	Approx. 110 kg
Switch / display unit	Touch panel (4.3 inches)
Communication function (RS232C)	Data collection function (Traceability function) Operation start and stop, recipe editing and saving, using an external terminal
Others	Real-time display of rpm during operation, function of setting recipe name

Optional

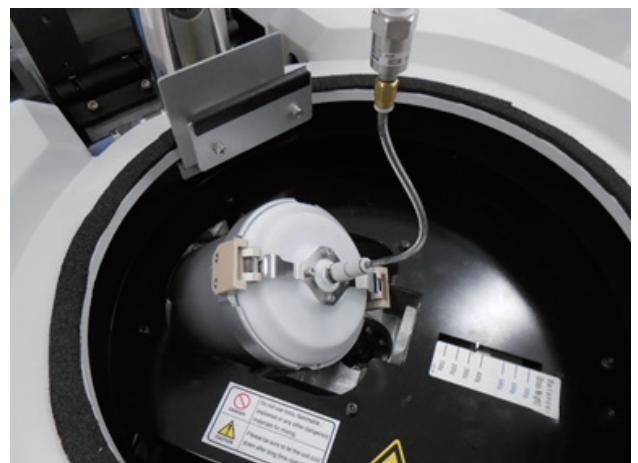
PU-501CE

Stand with Built-in Vacuum Pump for ARV-501CE



Unit Dimensions	H300 × W500 × D500 (mm)
Unit Weight	Approx. 47 kg

* The voltage of the PU-501CE (Stand with Built-in Vacuum Pump) is single-phase AC200 \pm 10%.



Vacuum inside the cup holder

Product appearance/specifications may change without notice.

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