

Planetary Centrifugal Vacuum Mixer

THINKY MIXER ARV-931TWIN CE



Manufacturing application mixer that can vacuum process a maximum 1L of materials with twin mixer system

- ✓ THINKY's original cup holder design minimizes space and significantly reduces time to reach and release vacuum
- ✓ With the specified container, a maximum of 550 ml / 930 g x 2 (gross weight) materials can be mixed and defoamed.
- ✓ Ease of the touch operation
- ✓ PC connectivity enables traceability
- ✓ Adapters for various containers are available

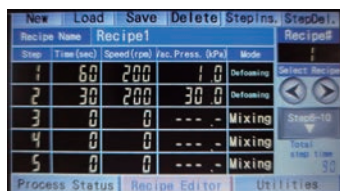
Maximum capacity
930g
×2

Standard container
550 & 750ml
HDPE container

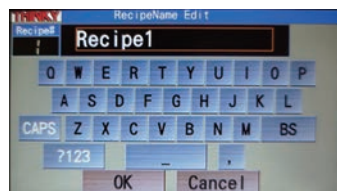
Operation screen of touch panel



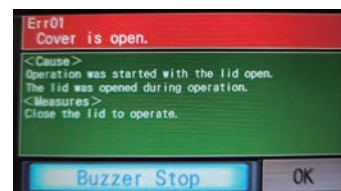
Screen of operation control



Screen for editing recipe

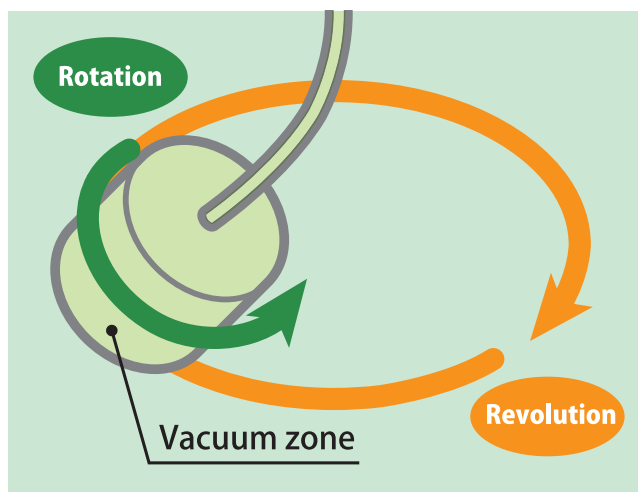


Screen for recipe-name input



Example of alarm display

Cup Holder Vacuum System



| | Cup Holder Vacuum System (ARV-931TWIN CE) | Chamber Vacuum System |
|---------------------------------|---|-----------------------|
| Vacuum pressure reduction speed | ○ | △ |
| Air bubbles elimination | ○ | ○ |
| Material spillage | ○ | ○ |

Specifications

| | |
|------------------------|---|
| Product name | Planetary Centrifugal Vacuum Mixer "THINKY MIXER" |
| Model | ARV-931TWIN CE |
| Method | Vacuum-type, planetary, propeller-less mixing |
| Time Setting range | 0 s to 30 min in 1 s increments |
| Programming Function | 10 steps / 20 recipes |
| Revolution speed (rpm) | Mixing Mode Max. 1400 rpm (0 rpm and 200-1400 rpm) Defoaming Mode Max. 1800 rpm (0 rpm and 200-1800 rpm) |
| Rotation speed (rpm) | Mixing Mode Max. 700 rpm (following by 1/2 speed of revolution) Defoaming Mode Max. 54 rpm (following by 1/33.3 speed of revolution) |
| Max. Mixing Volume *1 | 930 g x 2 |
| Standard Container *2 | Inner volume: 750 ml and 550 ml Material: HDPE |

| | | |
|-----------------------|---|---|
| Vacuum System | Vacuum system within cup holder | |
| Ultimate Vacuum | 0.60 kPa (approx. 5 Torr) (using epoxy 300g) *3 | |
| Power Supply | Voltage | Three-phase AC220V±10%, 50/60 Hz |
| | Power consumption | During standby: approx. 120 VA During operation: max. 4400 VA (excl. at the time to start) |
| Operating Environment | <ul style="list-style-type: none"> • 10-35°C, 35-80% RH (without condensation) • Within 2000 m of altitude • Excessive vibrations or impact must be avoided. • Keep away from the rain, dust and other fine particles, or chemicals. • Pollution degree: 2 (IEC60664 1). • Overvoltage category of the power source: Category III (IEC60664 1). | |
| Unit Dimensions | 900 mm (H) × 660 mm (W) × 820 mm (D) | |
| Unit Weight | Approx. 240 kg | |

If the UNIT is in an environment where the ambient temperature is below 10 °C for a long time, the vacuum pump oil will be solidified and the pump will be damaged. If solidification occurs, leave the UNIT at normal temperature for a while before use.

*1: Maximum mixing volume (gross weight) = container + materials

*2: Please contact us for more information since the actual mixing volume may vary depending on materials and operating conditions, etc.

*3: Avoid depressing to below the saturated vapor pressure of water or the organic solvent contained in the material.

Product appearance/specifications may change without notice.

THINKY CORPORATION

Headquarters: 2-16-2 Sotokanda, Chiyoda-ku, Tokyo 101-0021
Phone: +81-3-5207-2713 Fax: +81-3-5289-3281

THINKY USA Inc.: 23151 Verdugo Drive, Suite 112 Laguna Hills, CA 92653, USA

THINKY CHINA: East building, HaiAn Kafunuo Mansion, Shennan road,
Qianhai road, Nanshan district, Shenzhen

<https://www.thinkymixer.com/en-gl/>

Sales agent