

Planetary Centrifugal Mixer

THINKY MIXER

ARE-501 / ARE-500


ARE-501

ARE-500

Production site's popular ARE-500 series

ARE-501 with added functions

- ✓ Improving the mixing performance by increasing revolution speed and optimized rotation/revolution ratio
- ✓ Ease of the touch operation
- ✓ PC connectivity enables traceability
- ✓ Compatible with small mixer recipes
- ✓ Adjustable rotation speed
- ✓ Adapters for various containers are available

Optional

ST-501

Stand for ARE-500/
ARE-501



Maximum
capacity

1100 g

Standard
container

650 ml
HDPE
container

Specifications

Model		ARE-501
Product		Planetary Centrifugal Mixer (Non-vacuum type)
System		Planetary, propeller-less mixing
Operation Time Setting		Timer setting range: 0 s to 30 min in 1 s increments
Revolution/ Rotation Speed (rpm)	Mixing Mode	Revolution: 1500rpm (400 to 1500 rpm (adjustable)) Rotation: 867rpm(Approx. 0.58 revolution-to rotation ratio)
	Defoaming Mode	Revolution: 2000rpm (400 to 2000 rpm (adjustable)) Rotation: 60rpm (Approx. 0.03 revolution-to rotation ratio)
Maximum Capacity *1		1100 g
Standard Container *2		650 ml HDPE container
Power Supply		Voltage: Single-phase AC 100 V $\pm$ 10 %, 50/60 Hz Power consumption: Approx. 50 VA (standby) Max 1500 VA (operation)
Programming Function		20 memories with 10 steps Recipe name can be edit
Safety Mechanism		Lid sensor, Vibration sensor, Speed sensor, mixing/defoaming clutch sensor
Operating Environment		10 to 35 °C, 35 to 85 % RH (without condensation)
Unit Dimensions		H686 × W500 × D500 (mm)
Unit Weight		Approx. 100 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

* 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.

Model		ARE-500
Product		Planetary Centrifugal Mixer (Non-vacuum type)
System		Planetary, propeller-less mixing
Operation Time Setting		Timer setting range: 0 s to 30 min in 1 s increments
Revolution/ Rotation Speed (rpm)	Mixing Mode	Revolution: 400 to 1000 rpm (adjustable) Rotation: Approx. 1.0 revolution-to rotation ratio
	Defoaming Mode	Revolution: 400 to 2000 rpm (adjustable) Rotation: Approx. 0.03 revolution-to-rotation ratio
Maximum Capacity *1		1100 g
Standard Container *2		650 ml HDPE container
Power Supply		Voltage: Single-phase AC 100 V $\pm$ 10 %, 50/60 Hz Power consumption: Approx. 50 VA (standby) Max 1400 VA (operation)
Programming Function		10 memories: STD mode: 5 memories with 1 step STEP mode: 5 memories with 5 steps
Safety Mechanism		Lid sensor, Vibration sensor, Speed sensor, mixing/defoaming clutch sensor
Operating Environment		5 to 35 °C, 35 to 85 % RH (without condensation)
Unit Dimensions		H692 × W500 × D500 (mm)
Unit Weight		Approx. 95 kg

Optional

Multi-Sensor

MS-150ML/MS-300ML/MS-550ML



Unit Dimensions	The height of container + 27 mm		
Unit Weight (Including container)	Approx. 100 g (MS-150ML)	Approx. 135 g (MS-300ML)	Approx. 155 g (MS-550ML)

ST-501

Stand for
ARE-500/ARE-501

Unit Dimensions	H240 $\pm$ 5 × W550 × D550 (mm)
Unit Weight	Approx. 15 kg

Product appearance/specifications may change without notice.

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