THINKY

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 ± 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 ℃, 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

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 ± 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 ℃, 35 to 85 % RH (without condensation)
Unit Dimensions	H692 × W500 × D500 (mm)
Unit Weight	Approx. 95 kg

[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.

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 ± 5 × W550 × D550 (mm)
Unit Weight	Approx. 15 kg

Product appearance/specifications may change without notice.

THINKY CORPORATION

Sales agent