



ALP Co.,Ltd.
TOKYO JAPAN

KTR-2322 ~3065

PERSONAL AUTOCLAVE

Compact type for laboratory use



Table-top models 110~125°C

KTR-2322 φ23×22cm (10ℓ) (Basket 1pc.)
KTR-3022 φ30×22cm (16ℓ) (Basket 1pc.)

Slim floor standing models 110~125°C

KTR-2346A φ23×46cm (20ℓ) (Basket 1pc.) **-2346B** (Basket 2pcs.)
KTR-3045A φ30×45cm (32ℓ) (Basket 1pc.) **-3045B** (Basket 2pcs.)
KTR-3065A φ30×64cm (45ℓ) (Basket 2pcs.) **-3065B** (Basket 3pcs.)

- **Compact vertical table-top type with high ability...KTR-2322 & -3022**

Designed for the purpose of "One unit for one person". Capacity of 3 & 6 pcs. 500ml vial bottles, or 2 & 4 pcs. 1,000ml vial bottles by using wire basket.(Bottle cap must be released.)

- **Slim space-saving, floorstanding model ...KTR-2346, 3045 & 3065**

Even if you choice φ30cm model, it occupies only 45×37cm floor space.

- **Up-opening lid & front operation**

The lid opens and closes lightly with one hand, yet securely due to the self-closing silicon rubber gasket. The up-opening lid and only front operation design, realize ideal space saving. You can reasonably lay out your laboratory.

- **Operation-start is only to push the start button ...Simple easy operation and maintenance**

By just push of the start button, you get fully automatic operation from start to finish. Gravity air exhaust system by temperature sensing·time control & solenoid valve guarantees always reliable sterilization according to objects under pure steam exposure. The timer begins to move only after the set temperature is reached, and cuts off heater after the set time. The chamber cools down naturally and when it comes down to temperature able to open lid, inform you by light-out of operation lamp.

- **Prevention of water lack**

The sensitive thermostat mounted on the surface of immersion-type sheathed heater, cuts off immediately the electrical source in case of water lack, and the buzzer sounds continuously with the red lamp illumination.

- **Safety**

Shiny polished SUS-304 stainless steel chamber and double lid with pressed thick plate arm, passed through water pressure test (0.36MPa...twice as high pressure as safety valve).

In case of abnormal pressure rise, the pressure safety switch cuts off the heater at 0.17MPa and the safety valve with enough inner diameter operates surely at 0.18MPa.

Safety breaker cuts off the electrical source in case of short circuit or over current of the heater, etc.

- **Receiver bottle of exhaust-drain**

The receiver bottle is set certainly inside the front body. Drained water in the bottle is easily thrown away to a sink, because the bottle can be pulled out easily.

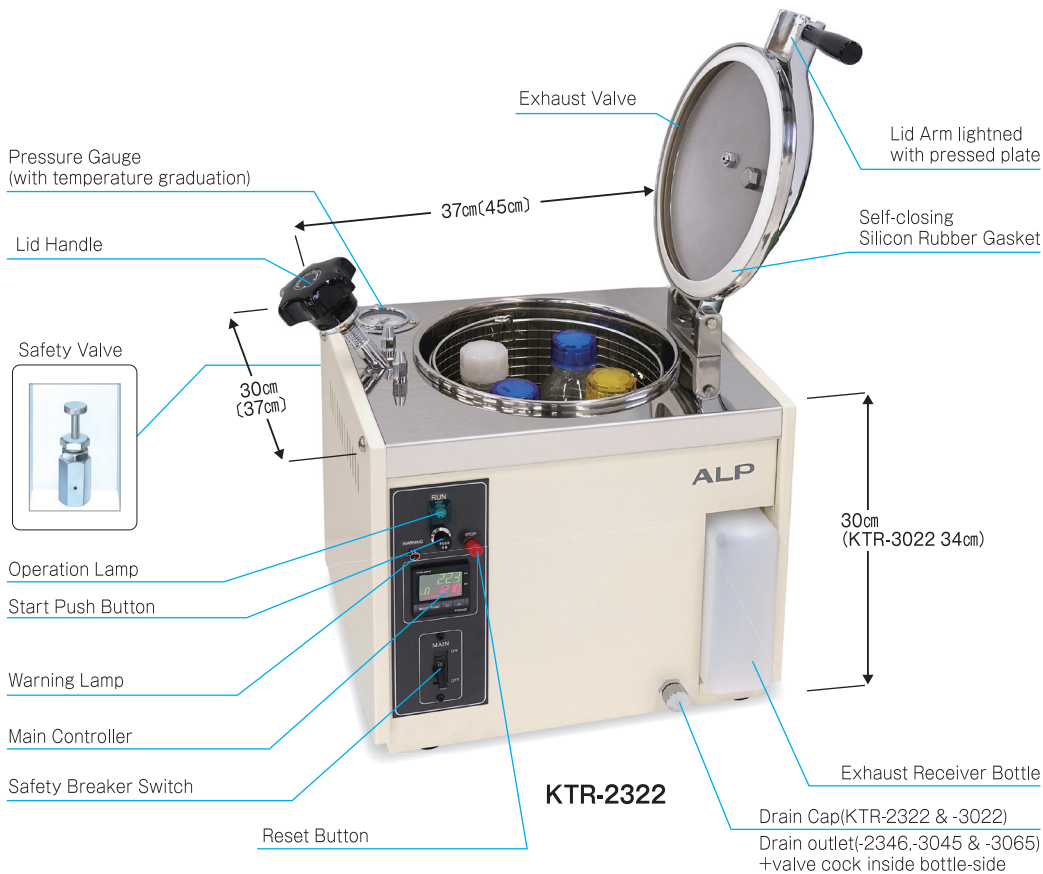
- **Baskets selection**

For floor standing models, 2 kinds of wire basket are prepared. For A models, tall basket 1pc is used, and for B models, half high 2 baskets are provided. For KTR-3065A, baskets are 2 pcs, and for KTR-3065B, baskets are 3 pcs. Please select for your job.

- **Applicable to HACCP or GMP/GLP for food or pharmaceutical industry**

For further details, please send inquiry.

Simple easy operation and maintenance



ACCESSORIES

- **Stainless wire basket (Standard accessory)**
 -  **KTR-2322**
φ21×20cm
1pc.
 -  **KTR-2346A**
φ21×40cm
1pc.
 -  **KTR-3022**
φ27×20cm
1pc.
 -  **KTR-3045A**
φ27×40cm
1pc.
 -  **KTR-3065A**
27φ×30cm
2pcs.
- **Stainless bucket**
 -  (Option)
φ21×21cm (KTR-23 models)
φ27×27cm (KTR-30 models)
- **Basket with Pan**
 -  (Option)
φ27×40cm (KTR-30 models)

SPECIFICATIONS

Autoclave for Laboratory use **KTR** series

Model		KTR-2322	KTR-2346A KTR-2346B	KTR-3022	KTR-3045A KTR-3045B	KTR-3065A KTR-3065B
Chamber (inner dia. × usable depth)		φ23×22cm (10ℓ)	φ23×46cm (20ℓ)	φ30×22cm (16ℓ)	φ30×45cm (32ℓ)	φ30×64cm (45ℓ)
Ability	Temperature range	110~125℃				
	Usable pressure range	0~0.16MPa				
	Maximum pressure	0.18MPa				
System	Operation	Push start→Heating·Air exhaust→Sterilization→Time up→Cool down→Light out→Lid open				
	Main controller	Digital temperature/time controller				
	Reset button	For controller reset or for operation shut down				
	Timer	1~99 minutes 59 seconds (Operates after the set temperature is reached.)				
	Air exhaust device	Gravity substitution system by temperature sensing·time controlled solenoid valve				
	Exhaust valve	Screw valve with teflon sheet				
Material	Drain valve	Cap screw with silicon sheet(KTR-2322 & 3022) or ball valve with cock(KTR-2346,3045 & 3065)				
	Chamber & lid	SUS304 stainless steel				
Safety	Outer plate	Steel with baked enamel finish, Upper surface : SUS304				
	Water lack preventor	Automatic cut-off system by a sensitive thermostat and relay (Heater cut off, Buzzer & Red lamp warning)				
	Pressure safety devices	Over pressure safety switch(0.17MPa) & Safety valve(0.18MPa)				
	Water test pressure	0.36MPa				
	Electric safety	Over current breaker, Withstand voltage : 1400V·2pec., Insulation : 100MΩ~ (500V.D.C)				
Pressure vessel Standard		[Summary & Small pressure vessel] in Japanese law				
Heater		1.0kW	1.4kW	1.0kW	1.4kW	2.0kW
Electricity		AC110~240V, 1φ, 50/60Hz Inlet cord : 3wires containing earth				
Outer size, Weight		W37×D30×H40cm, 16kg	W37×D30×H73cm, 24kg	W45×D37×H46cm, 30kg	W45×D37×H79cm, 42kg	W45×D37×H96cm, 48kg
Access.	Stainless basket	φ21cm×20cm, 1pc.	A type : φ21cm×40cm, 1pc. B type : φ21cm×20cm, 2pcs.	φ27cm×20cm, 1pc.	A type : φ27cm×40cm, 1pc. B type : φ27cm×20cm, 2pcs.	A type : φ27cm×30cm, 2pcs. B type : φ27cm×20cm, 3pcs.
	Exhaust receiver bottle	1ℓ … 1pc.				

● Please specify the voltage when you order. ● Specifications subject to change without notice for improvement.



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ISO9001



ISO13485