

Simple easy operation and maintenance

# AUTOCLAVE

for laboratory use

sterilization only — KY-23

with drying — KY-23D



KY-23

Chamber size  
23cm dia × 46cm (20L)

Max.127°C, 0.16MPa  
(one-touch change  
110, 115, 121, 127°C)

KY-23D

## Unique lid system

- The lid opens and closes lightly with one hand, yet securely due to the unique opening system and the selfclosing silicon rubber gasket.

## Easy set of sterilizing temperature

- Before operation, you can select and set sterilizing temperature by the set knob. So you need not adjust it in sterilization operation. Also change of temperature (ex.121°C↔110°C) is one-touch.

## Automatic system

- Can be conveniently operated anywhere by just connecting with electricity.(1.5kW)
- By just closing the exhaust valve and pushing the start button, you get full automatic performances from start to finish.
- Timer begins to move only after the set temperature/pressure is reached, buzzer announces sterilization(and drying) completion and electricity cuts off.
- Automatic air exhaust device guarantees reliable sterilization under pure steam exposure.

## 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 safty valve).
- Pressure safety switch operates at 0.17MPa in case of abnormal pressure rise and shuts down operation with warning red lamp and buzzer.
- Pressure safety valve operates surely at 0.18MPa in case emergency pressure rise.

## 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.(also red lamp goes on...KY-23.) And even after the chamber cooled, the heater does not operate until you push the start button again after your water supply in the chamber.

## Exhaust and Drain

- As the needle exhaust valve can finely exhaust steam in the chamber, you can sterilize liquid in bottles.
- As the drain valve and piping of large diameter can pour dust and dirty water out of the bottom of chamber, you can keep the chamber-inside clean.

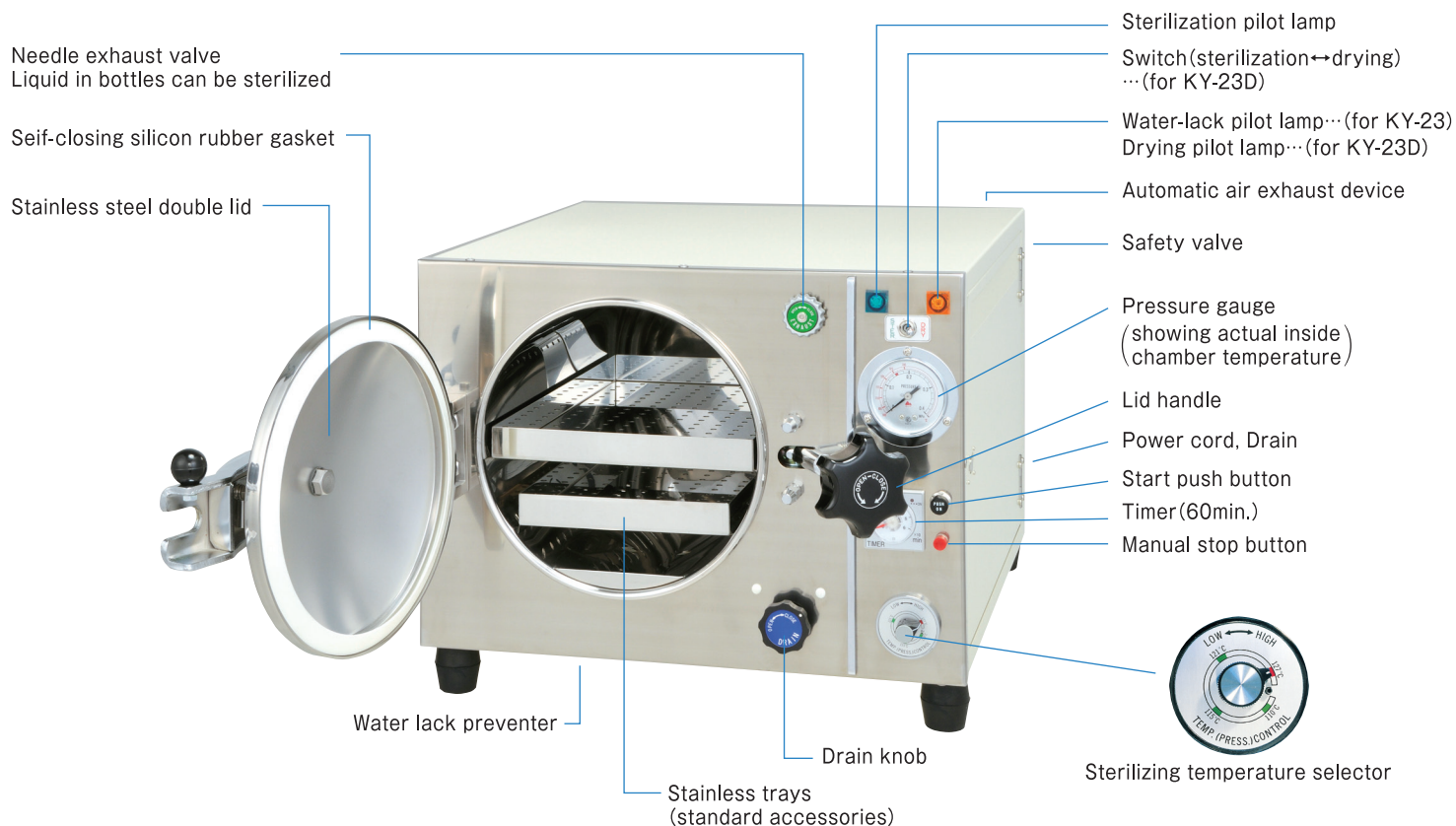
## Drying system (KY-23D)

- Band heaters around the chamber ensure drying of sterilized wet materials.
- Switching from sterilization to drying is manual operation of opening drain valve, turning switch and pushing the start button.
- Timer begins to move only after the inside -temperature reaches at 130°C(adjustable).
- These drying heaters and temperature-controller occupy chamber-inside with hot air, so you can use this autoclave as a hot air dryer.



**ALP Co.,Ltd.**  
TOKYO JAPAN

# Easy Operation! Trouble Free Performance!



## Specifications

Model		KY-23	KY-23D
Purpose		Sterilization by saturated steam	Sterilization only, Sterilization → drying
Chamber (Inner dia. × depth)		φ230 × 460mm (20L)	
Ability	Sterilization	110 ~ 127°C	
	One-touch setting temp.	110, 115, 121, 127°C	
	Maximum operation press.	0.16MPa	
Sterilization system	Main controller	Precise pressure switch	
	Temperature indication	Saturated steam scale on the panel of pressure gauge	
	Temperature set system	Analog temperature set on the panel of pressure switch	
	Timer	0~60minutes (Operates after the set temperature is reached)	
	Air exhaust devise	Automatic exhaust system of remained air by heat expansion bellows valve	
	Exhaust valve	Manual needle valve being opened only in required fine or rapid exhaust	
	Drain valve	Manual ball valve (Inner dia. 10mm)	
Sterilization pattern		PUSH-ON start → Heating·Air exhaust → Sterilization → Completion buzzer → Exhaust or natural cooling	
KY-23D	Ope.pattern with drying (Only steri.available)	PUSH-ON start → Heating·Air exhaust → Sterilization → Completion buzzer → Manual drain → Switching from STER. to DRY (by Manual) → Set drying time → PUSH-ON start → Drying → Completion buzzer	
	Drying devices	Band heaters around the chamber, Drying temp.130°C (adjustable), Timer : 0 ~ 60min.	
Material		Chamber & Lid : SUS304, Outer panel : Steel with baked enamel	
Safety	Safety devices	Water lack preventor, Over pressure safety switch (0.17MPa), Safety valve	
	Electric safety	Breaker for over current & short circuit Withstand voltage : 1500V·1minute Insulation : 100MΩ~(500V.D.C)	
	Safety valve operation	0.18MPa	
	Hydrostatic test	0.36MPa	
Power requirement		AC110 / 120 / 220 / 230 / 240V, 1φ, 50/60Hz, 1.5kW	
Outer dimensions, weight		W460 × D520 × H370mm, 29kg/31kg	
Accessories		Stainless square tray : 2pcs.(S&L), Stainless drain hose, Lid drain receiver	

● Specifications subject to change without notice for improvement.



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