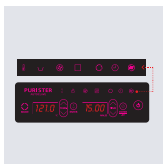# CRYSTE

PURISTER
AUTOCLAVE

Top loading autoclave used to sterilize a variety of apparatus and supplies by subjecting them to high pressure saturated steam at 121℃

- Top-loading floor top type
- Five-kinds safety devices

● ● ● STANDARD SPECIFICATION

CE

Model		PURISTER 60	PURISTER 80	PURISTER 100
Size	Inner(Dia. x H)mm	Ø350 x 650	Ø400 x 700	Ø450 x 540
	Out(W x D x H)mm	570 x 610 x 1200	620 x 670 x 1220	670 x 710 x 1160
	Capacity	60 L	80 L	100 L
	Weight(Kg)	104	123	145
Temperature	Type	Digital		
	Operating for sterilization	105℃~121℃		
	Display	Ambient +10℃ ~ 124℃		
Pressure	Operating for sterilization	1.2bar at 121℃, 1.3bar at 124℃		
Pressure Gauge	Type	Analogue		
	Range	~3.0bar		
Inside Material		Stainless steel plate 304		
Outside Material		Epoxy powder coated steel plate		
Basket	Material	Wire Basket(2EA included)		
	Size(Dia. x H)mm	Ø320 x 250	Ø370 x 250	Ø420 x 250
Exhaust Bottle Material		HDPE Bottle(1EA included)		
Power		220V±10%, 50/60Hz, 1Phase		
Power Consumption		3,000W	4,000W	4,000W
Safety Device		Over heat Protector, Thermal circuit breaker, Water level sensor Pressure safety valve, Emergency exhaust valve		

LED Indicator in control pad

7 icons displayed as LED indicator show operational status

A slope of 5° in control pad

Ergonomic design for easy viewing angle

Condensation bottle for exhaust air

Prevent exhaust vapor emitting directly

MAIN FEATURE

● **Safe and trustworthy autoclave**

As this equipment is used under conditions of high temperature / high pressure, we have considered safety once again by introducing a quintuple safety device.

● **Durable equipment for longer lifespan**

All materials of the liquid contacts, such as inner chamber, wire Basket and door, are made of stainless steel to minimize the risk of corrosion.

● **Intuitive, easy-to-use digital controller**

Icons display the sterilization progress and equipment status, so you can check the status at any time.
Also, two LED windows allow you to check the temperature and time at the same time.

● **Appearance that takes up less space in a neat design**

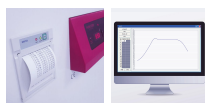Compact internal structure and sensuous design make it easy to install in any space in the lab.

FEATURE PLUS

● **Built-in thermal printer option**

Time and temperature during sterilizing process is printed on thermal paper.

● **RS-232 interface option**

Real time monitoring on temperature data is possible at user's PC through customized software.

FLASK LOADING CAPACITY

Flask Vollume	Diameter of the bottom of flask	Height of flask	Capacity / Basket		
			PURISTER 60	PURISTER 80	PURISTER 100
25 ml flask	4.1 cm	6.1 cm	40	54	66
50 ml flask	5.1 cm	7.8 cm	25	37	44
125 ml flask	6.7 cm	11.4 cm	15	20	25
250 ml flask	8.2 cm	13.2 cm	9	13	19
500 ml flask	10.1 cm	17.6 cm	7	9	11
1000 ml flask	12.9 cm	21.6 cm	4	6	8
2000 ml flask	15.2 cm	27.9cm	3	4	5

※ 2000 ml flask is only available in upper basket

SAFE GUARD

● **5-Step Safety devices**

1.Water level sensor

When water level is lower than heater position, it stops heater operationand prevents overheating.

2.Pressure safety valve

When high pressure above 1.8bar is formed, safety valve is opened automatically so as to maintainappropriate internal pressure.

3.Emergency exhaust valve

Sterilizing work can be stopped by manually discharging air inside chamber.

4.Earth leakage circuit breaker

It eliminates risk of fire due to over-current.

5.Thermo limiter

Mechanical thermostat protects the device

ORDER INFORMATION

DIVISION	ITEM	ORDER CODE					
		PURISTER 60	PURISTER 60 RS232	PURISTER 80	PURISTER 80 RS232	PURISTER 100	PURISTER 100 RS232
PRODUCT	Main Body	PST-6-MB	PST-6-232-MB	PST-8-MB	PST-8-232-MB	PST-10-MB	PST-10-232-MB
OPTION	Thermal Printer	N/A	PST-6-232-OP1	N/A	PST-8-232-OP1	N/A	PST-10-232-OP1
SPARE	Basket(Stainless)	PST-6-SP1	PST-6-232-SP1	PST-8-SP1	PST-8-232-SP1	PST-10-SP1	PST-10-232-SP1
	Door Gasket	PST-6-SP2	PST-6-232-SP2	PST-8-SP2	PST-8-232-SP2	PST-10-SP2	PST-10-232-SP2
	Pressure Gauge	PST-6-SP3	PST-6-232-SP3	PST-8-SP3	PST-8-232-SP3	PST-10-SP3	PST-10-232-SP3
	Heater	PST-6-SP4	PST-6-232-SP4	PST-8-SP4	PST-8-232-SP4	PST-10-SP4	PST-10-232-SP4
	Mainboard & Controller Set	PST-6-SP5	PST-6-232-SP5	PST-8-SP5	PST-8-232-SP5	PST-10-SP5	PST-10-232-SP5
	Mainboard & Controller Set(Option)	PST-6-SP6	PST-6-232-SP6	PST-8-SP6	PST-8-232-SP6	PST-10-SP6	PST-10-232-SP6
	Electronic on/Off Valve	PST-6-SP7	PST-6-232-SP7	PST-8-SP7	PST-8-232-SP7	PST-10-SP7	PST-10-232-SP7
	Electricity Leakage Breaker	PST-6-SP8	PST-6-232-SP8	PST-8-SP8	PST-8-232-SP8	PST-10-SP8	PST-10-232-SP8
	Water Level Sensor	PST-6-SP9	PST-6-232-SP9	PST-8-SP9	PST-8-232-SP9	PST-10-SP9	PST-10-232-SP9