

Products for Industry

Steam Sterilizer (Laboratory Use, Compact)

SN310

Item Code : 241055

Model : SN310

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SN200 SN300 SN500

Steam Sterilizer (Laboratory Use, Compact) (SN310)

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Product Summary

High-performance, easy operation and ergonomically designed sterilizer featuring easy top loading and handling of samples

Features of Steam Sterilizer (Laboratory Use, Compact) (SN310)

Features

Maximum sterilizing temperature goes up to 135°C suitable for protein modification

Features

By simple setting and operation, these sterilizers manage ordinary sterilization, sterilization of culture mediums and liquids, and melting of culture mediums

Features

Custom programs can be saved for repeated use

Features

Standard equipped with timer start and pre-heating features for the efficient use of time and cooling fan to shorten cool down timetime

Features

Mobile on wheels

Enhanced safety device

- ,Lid interlock mechanism
- , Drain bottle unset alarm
- , Memory malfunction
- , Automatic shutdown when malfunctioning
- ,Self-diagnostic functions

Specifications

Specifications

Item Code	241055
Model	SN310
System	Automatic high-pressure steam sterilization
Operating temperature range	45~135°C 45~80°C (Preheating temperature) /45~60°C (Heat-retention process) /65~100°C (Solution process) /105~135°C (Sterilization)
Max. working pressure	0.255MPa
Ambient temperature	5~35°C
Lid	Manual upward opening with an interlock for safety
Heater	100V, 800W×2 units
Exhaust valve	One exhaust valve and one slow release valve
Connection ports for optional accessories	Total 3 ports. Female thread for sample temp. sensor (1/4"), Female thread for chamber temp. sensor (1/4"), Female thread pressure sensor (Branching from the solenoid valve tubing)
Cooling fan	Axial fan motor
Temp. controller	PID control by microprocessor
Temp. display / setting	Digital display / digital setting by ▲/▼ keys
Timer / Timer resolution	0 or 1 min. to 99 hrs 59 min. / 1 min.
Operation mode	Instrument sterilization course, Liquid sterilization course, Sterilization and keep warm course, Melting and keep warm course, Customer-programmed course
Other function	Key locking, Presetting, Saving, Preheating, Forced cooling, Sample temperature sensor (option), Pattern locking, Up to 20 error log saving, Display of accumulated working time / Present time, ON-OFF beeping setting

Safety device	Sensor failure detection, SSR short-circuit, Broken heater wire, Prevention of idle heating (Liquid expansion type), Alarm against the absence of a drain bottle, Failure in locking the lid, Memory error detection, Pressure relief valve (0.255 MPa)
Accessories	2 pcs. stainless steel mesh basket (Dia.266×D204mm), OSM-70/Vapor cup×1, Drain bottle×1, Drain board×1, Filter×1
Internal dimensions (φ×H mm)	φ300×445mm
External dimensions (W×D×H mm)	460×590×848mm
Remarks(dimensions)	Internal capacity 32L
Power Source	AC200~240V Single phase
Weight	75kg

Maintenance and warranty

1. Yamato autoclaves are for laboratory use only. They cannot be operated for medical use.
2. The pressure vessel conforms to the safety standards in Japan. Any clarification or modification works to meet the local safety standards in each country shall be out of the manufacturer's scope.
3. Conditions: temperature and humidity: 23 deg.C+/-5 deg.C, 65%RH+/-20% (no load)
4. External dimensions do not include protrusions.

Catalog

Download



Steam Sterilizer (Laboratory Use, Compact)

Optional items



Same series products



Steam Sterilizer (Laboratory
Use, Compact) (SN200)

Steam Sterilizer (Laboratory
Use, Compact) (SN210)

Steam Sterilizer (Laboratory
Use, Compact) (SN300)