

HG-113/133

VERTICAL AUTOCLAVE

HGS-113/133

WITH STEAM GENERATOR

HGD-113/133

WITH VACUUM PUMP&DRY

- *Just press one button and the lid will automatically open / close.*
- *New Body Design with larger diameter chamber (500 mm).*
- *The HGS/HGD series with separate steam generator, and vacuum pump & dry (HGD).*
- *USB connectors (option).*



HG-113

HGD-133



Products shown in this brochure are manufactured by the company, ISO 9001 / 13485 / 14001 certified.

**STERILIZING
SIMPLY AND WELL**

HIRAYAMA

■ SPECIFICATIONS

| Model | HG-113 | HGS-113 | HGD-113 | HG-133 | HGS-133 | HGD-133 | |
|----------------------------------|---|---|---|---|--|---|---|
| Dimensions (WxHxD mm) | 686 x 930 x 870 | | | 686 x 1034 x 870 | | | |
| Chamber size (mm) | Dia. 500 x 552H | Dia. 500 x 576H | | Dia. 500 x 656H | Dia. 500 x 680H | | |
| Chamber volume | 131.7Liter | 132.9Liter | | 152.1Liter | 153.3Liter | | |
| Effective capacity | 108Liter | 113Liter | | 129Liter | 133Liter | | |
| Net weight | 137kg | 153kg | 184kg | 145kg | 161kg | 192kg | |
| Chamber material | Stainless steel (SUS304) | | | | | | |
| Max. usage pressure | 0.25MPa | | | | | | |
| Power source | AC380V / 400V / 415V, 50/60Hz, Three-phase | | | | | | |
| Power consumption | 5.2kW (AC380V) 5.8kW (AC400V) 6.2kW (AC415V) | 6.2kW (AC380V) 6.8kW (AC400V) 7.4kW (AC415V) | | 5.2kW (AC380V) 5.8kW (AC400V) 6.2kW (AC415V) | 6.5kW (AC380V) 7.1kW (AC400V) 7.7kW (AC415V) | | |
| Cycle selection | Liquid, Agar, Solid, and Dissolution cycle | | Fabric, Solid, Liquid and Agar cycle | Liquid, Agar, Solid, and Dissolution cycle | | Fabric, Solid, Liquid and Agar cycle | |
| Program | 12 programs (Arbitrary setting with 3 programs for each cycle) | | | | | | |
| Details of setting | Operating temp. range | 105~135°C | | | | | |
| | Sterilization timer | 1~300 min. Remaining time display method | | | | | |
| | Culture media dissolution temp. range | 60~100°C | | 60~104°C | 60~100°C | | 60~104°C |
| | Dissolution timer | 1~60 min. Remaining time display method | | 1~300 min. Remaining time display method | 1~60 min. Remaining time display method | | 1~300 min. Remaining time display method |
| | Warming temperature range | 45~60°C (24-hr fixed) | | | | | |
| | Drying timer | — | | 1~99 min. Remaining time display method | — | | 1~99 min. Remaining time display method |
| | Exhaust level | Four(4) steps from 0~3 | | | | | |
| | Fan cooling | ON/OFF | — | | ON/OFF | — | |
| | Water cooling | — | ON/OFF | | — | ON/OFF | |
| | Function setting | Reservation timer | 1 min.~7 days | | | | |
| Lid opening temperature | | Can be preselected from 60~95°C, but depend on cycle selection (solid~97°C) | | | | | |
| Air removal time | | 6~12 min. | | | | | |
| Steam generator inside cleaning | | — | Equipped | | — | Equipped | |
| Digital thermometer | | 5.0~137.9°C | | | | | |
| Pressure / Compound gauge | | 0~0.4MPa | | -0.1~0.4MPa | 0~0.4MPa | | -0.1~0.4MPa |
| Temperature sensor | | Pt 100Ω sensor | | | | | |
| Pre-heating | | — | Equipped | | — | Equipped | |
| Safety device / Warning alarm | | Electric leakage breaker, Pressure safety valve Error display (Breakage of sensor wire, Overheating, Overpressure, Lid locking / Exhaust valve / Heater trouble, Power failure) | | | | | |
| | | Low water cut off device, Low water error | Overheat prevention device, Generator overheat error, Water feed error | Overheat prevention device, Generator overheat error, Vacuum pump error, Water feed error | Low water cut off device, Low water error | Overheat prevention device, Generator overheat error, Water feed error | Overheat prevention device, Generator overheat error, Vacuum pump error, Water feed error |
| Separate steam generator | — | Equipped | | — | Equipped | | |
| Water supply | Manual | Automatic | | Manual | Automatic | | |
| Option | Auto-water feeder | — | | Auto-water feeder | — | | |
| Caster | Mounted | | | Mounted | | | |
| Supplied accessories | Bottom plate, SS. Wire baskets (2pcs.) | | | | | | |
| | Drain bottle | — | | Drain bottle | — | | |
| Optional accessories | USB ports for interface / flash memory, Floating sensor, Printer, Recorder | | | USB ports for interface / flash memory, Floating sensor, Printer, Recorder | | | |

Specifications and appearance are subject to change without notice due to continuous product improvement.



Manufacturer :
HIRAYAMA Manufacturing Corp.

Distributor :

Manufactured under
ISO 9001 / 13485 / 14001

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