

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.*



HG-113

HGD-133

STERILIZING
SIMPLY AND WELL

HIRAYAMA



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

■ SPECIFICATIONS

Model	HG-113	HG-133	HGS-113	HGS-133	HGD-113	HGD-133	
Dimensions (WxHxD mm)	686x930x870	686x1034x870	686x930x870	686x1034x870	686x930x870	686x1034x870	
Chamber size (mm)	Dia. 500x552H	Dia. 500x656H	Dia. 500x576H	Dia. 500x680H	Dia. 500x576H	Dia. 500x680H	
Chamber volume	131.7Liter	152.2Liter	132.9Liter	153.4Liter	132.9Liter	153.4Liter	
Effective capacity	108Liter	129Liter	113Liter	133Liter	113Liter	133Liter	
Net weight (approx.)	137kg	145kg	153kg	161kg	184kg	192kg	
Chamber material	Stainless steel (SUS304)						
Max. usage pressure	0.24MPa						
Power source	AC400V, 50/60Hz, Three-phase						
Power consumption	5.8kW		6.8kW	7.1kW	6.8kW	7.1kW	
Cycle selection	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 temperature range	60 ~ 100°C			60 ~ 104°C		
	Dissolution timer	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		
	Exhaust level	Four(4) steps from 0 ~ 3					
	Fan cooling	ON / OFF	_____				
	Water cooling	_____	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.	8 ~ 16 min.	9 ~ 18 min.	8 ~ 16 min.	9 ~ 18 min.	
Steam generator inside cleaning		_____	Equipped				
Digital thermometer		5.0 ~ 137.9 °C					
Pressure / Compound gauge		0 ~ 0.4MPa			-0.1 ~ 0.4MPa		
Temperature sensor	Pt 100 Ω sensor						
Pre-heating	_____	Equipped					
Safety device / Warning alarm	Electric leakage breaker, Pressure safety valve Error display (Breakage of sensor wire, Overheating, Overcooling, 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			
Separate steam generator	_____	Equipped					
Water supply	Manual	Automatic					
Option	Auto - water feeder	_____					
Caster	Mounted						
Supplied accessories	USB ports for interface&flash memory, Bottom plate, SS. Wire baskets (2pcs.)						
	Drain bottle	_____					
Optional accessories	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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