Specifications

Outside dimension Inside dimension Net weight (approx) Power supply (heat source) Pressure vessel category	120	79 x H1064 ive volume : 63 liters)	
Net weight (approx) Power supply (heat source)	120	ive volume : 63 liters)	
Power supply (heat source)			
		120kg	
Pressure vessel category	AC200V Single phase 5kW (25A)		
r ressure vesser category	Small sized pressure vessel		
Chamber material	Stainless steel (SUS304)		
Sterilization temp. range	Mode 1 $: 100 - 125^{\circ}$ C Variable Mode 2 and 3 : 70 - 125^{\circ}C Variable	Mode 1 : 105 - 134℃ Variable Mode 2 and 3 : 105 - 125℃ Variable	
Sterilization timer	(Mode 2 & 3) 1 - 250 min. The remaining time is displayed	1 - 250 min. The remaining time is displayed	
F-value setting range	1 - 99 Addition system (Mode 1)	_	
Cooling timer	10 - 250 min. The remaining time is displayed	10 - 90 min. The remaining time is displayed	
Programmable auto-start	Settable range: from 1 min. to 1 week The start time is set		
Operating mode	Adde 1 : Standby→Heating/Pressurization→Sterilization(Cooking)→F-value vith F-value →Shower cooling → Drainage → Completion ontrol ////////////////////////////////////	Mode 1 : Standby→Heating→Sterilization(Cooking)→Natural cooling→Warming→Completion Mode 2 : Standby→Heating→Sterilization(Cooking)→Shower cooling→Drainage→Completion Mode 3 : Standby→Heating/Pressurization→Sterilization(Pressure cooking) → Shower cooling→Drainage→Completion	
Working pressure of safety valve	0.235MPa		
Thermometer	Chamber temp. : 5 - 129℃ / Core temp. : 45 - 129℃	Chamber temp. : 5 - 136℃	
Pressure gauge	0 - 0.4 MPa		
Clock	24-hour clock Date and time are alternately displayed		
	Pressure safety valve, Earth leakage breaker, Low water cut off device		
Safety devices and alarms	Error display: Low water heating, Temperature sensor wire disconnection, Over temperature, Over pressure, Abnormality in the lid lock		
	Adapter for pack (5), Stainless steel wire basket (3) Packing for adapter (100), Bottom plate (1), Gasket for adapter (5) Pressure gauge (1), Check valve (1), Piping for water supply (1)	Stainless steel wire basket (3), Bottom plate (1), Pressure gauge (1) Check valve (1), Piping for water supply (1)	
Power supply terminal	Ring terminal		

Installation requirements

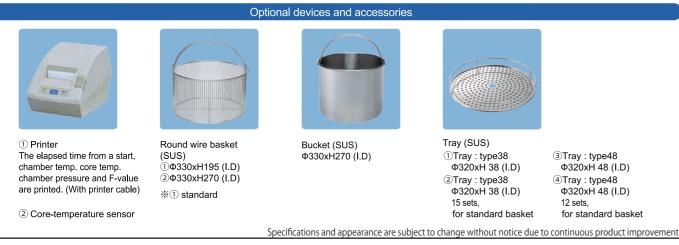
- · Power supply: AC200V, Single phase, 25A or more
- Water supply : Water supply port : 3/8" female thread Connect it to the water supply facility having water pressure of 0.23-0.40MPa and flow rate of 6 ℓ / min or more

 Drainage : Drain outlet : 3/8" female thread Connect it to drainage facility with a heat-resistant and pressure-resistant hose

*Exhaust and drainage are hot and high pressure, be careful of burns. *Connect the hose so that exhaust and drainage are not disturbed

*A crimp terminal is attached to the power cord. Please note that a plug is not supplied.

*When the apparatus is used at a place which is more than 800 m above sea level (low atmospheric condition in the mountainous area) please contact us or our distributor before using. The specification change is necessary.



Manufacturing Corp.

Distributor :



anufactured u ISO 13485

Overseas Sales Dept. 1-8-12, MINATO, CHUO-KU, TOKYO 104-0043, JAPAN TEL:+81-3-6280-3724 FAX:+81-3-6260-3725

http://www.hiravama-hmc.co.ip/

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Applicable to a wide range from HighTemperature Vacuum Cooking to Retort Food Processing

Capable of heating, cooking and sterilizing foods while maintaining the good taste As it is reliable food safety management with F-value control Usable as a retort sterilizer as well as a high temperature vacuum cooker







Products shown in this brochure re manufactured by the company ISO 13485 certified

HMC HIRAYAMA

HLM-36EF equipped with F-value control

Heating, Cooking and Sterilization

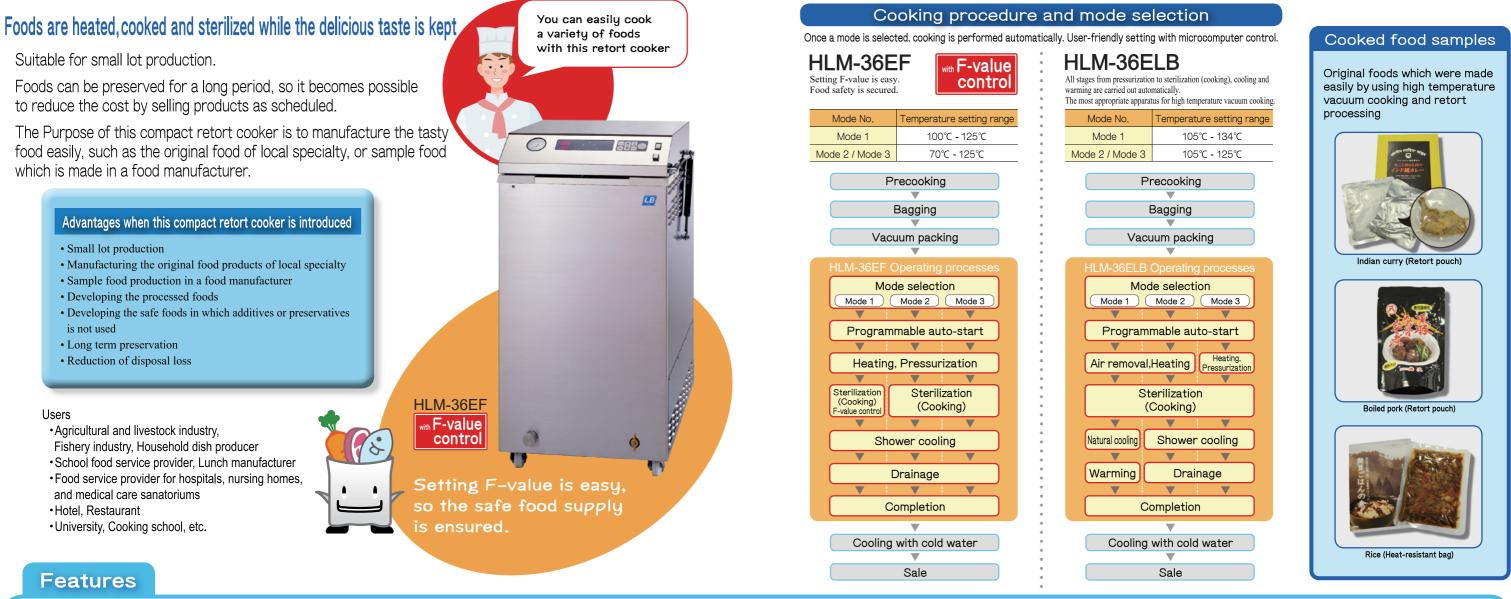
COMPACT RETORT COOKER

Usable for high temperature vacuum cooking as well as retort food processing

> STERILIZING SIMPLY AND WELL

HIRAYAMA

A variety of foods can be cooked easily with high-pressure steam generated in a pressure vessel !! High temperature vacuum cooking or retort processing to develop and sell retort foods becomes possible at low cost



F-value control (HLM-36EF)

- F-value which is important for the retort sterilization is calculated and controlled.
- The sterilizing condition of retort foods is controlled safely with the simple setting.

About F-value

F-value shows the safety of retort foods. When the core-temperature of foods is kept at 121°C for one minute. F-value is assumed to be 1. The Food Sanitation Act in Japan prescribes that F-value of retort foods shall be 4 or more.

Core-temperature sensor (HLM-36EF)

- The internal temperature of foods is measured with a core-temperature sensor and F-value is calculated and displayed.
- It is possible to terminate the sterilization (cooking) process when temperature of a core-temperature sensor

reaches the target F-value.(In case of the Mode-1)

• It is possible to print data by connecting an optional printer.



Core-temperature sensor

The core temperature of a food pack is measured. When temperature reaches the set temperature, sterilization (cooking) is started.

Functions and Features

- The appropriate pressure control and shower cooling prevent a retort pouch from being damaged.
- The equipment is controlled by microcomputer, so settings of temperature, time, F-value, etc. are easy.
- · All stages from pressurization to sterilization (cooking), cooling and warming (HLM-36ELB only) are performed automatically.
- The vacuum cooking is performed safely by the equipped various safety mechanisms. • When the optional printer is connected, data such as the elapsed time from a start,
- chamber temperature, core temperature, chamber pressure, F-value are printed. · Compact design for space-saving and cost reduction
- · Installation is completed by connecting the power supply source, water supply port and drainage port only
 - · Qualifications to operate a boiler or pressure vessel are unnecessary.

To a person who is interested in the ad

We recommend this retort cooker as one of the most useful food pro manufacturing industry, agricultural industry or fishery industry, and



Capacity			
Pouch volume	Loading capacity (pouches)		
250 - 300 cc	30 - 45P		
400 - 500 cc	15 - 30P		
1000 cc	15P		
1 0 0	re basket Tray andard, 3 pcs) (Option)		
Ivancement of primary industry ocessing apparatus to a person who is engaged in the food is interested in the advancement of primary industry.			