

**We are finally announcing a deep freezer for the dual-function corona vaccine for small and medium-sized medical institutions.**

Achieves a temperature range of minus 85 degrees to plus 30 degrees "Ultra-cooled Logibox"

**Easy to move / install, handle, no advance preparation required at the time of introduction**

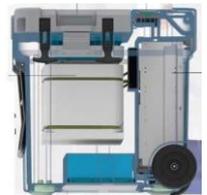
- Just plug it into a 100V outlet!
- Power consumption for one 100W light bulb!
- Easy operation comparable to an electric rice cooker!
- Equipped with a data logger (acquire temperature history via USB)
- Power failure response (automatic battery drive switching)



CPF15L80 Portable Logistics Cryogenic Freezer



☆ Small and medium-sized medical facilities  
A deep freezer suitable for use in research institutes



Stirling engine refrigerator with accurate temperature control! Double safety with built-in battery and special insulation. Real-time temperature monitoring is possible. Freon gas is not required for Stirling engine cooling.



A beautiful environment that connects to the next generation  
We are developing technology for that



# "Ultra-cooled Logibox" is suitable for transporting Covid-19 Pfizer vaccine, as well as living organisms and blood.

- Maintained at -80 ° C or below for 24 hours. No need for dry ice, it can be left as it is after being transported to the terminal inoculation site in a frozen state!
- Only the required number of vaccines can be thawed, and vaccines can be significantly extended until the manufacturer's validity period.
- Power supply is household power supply 100V, car battery power supply + built-in battery in case of power failure

Comparison list of deep freezer products delivered to the Ministry of Health, Labor and Welfare of Japan and our company

	name	product name	Power supply	power consumption Operating current	Starting power Starting current	Time required for the temperature inside the refrigerator to drop to -60 ° C during a power outage	Number of storage boxes	Total vial @ 195	When 1 vial is for 5 times	Main unit function comparison			
										Store house	Move	Battery	Data logger
Manufacturer name delivered by the Ministry of Health, Labor and Welfare	P	Ultra low temperature freezer	Single-phase 100V	315w/305w 5.1A	3600w 36 A	* Approximately 40-50 minutes from -75 ° C	22	4,290	21,450	○	×	×	×
	K	Ultra low temperature freezer	Single-phase 100V	250w/300w 4.5 A	4200w 42 A	* Approximately 45 minutes from -75 ° C	8	1,560	7,800	○	×	×	×
	N	Small ultra-low turret	Single-phase 100V	250w/260w 4.1 A / 3.7 A	3000w 30 A	* Approximately 25 minutes from -75 ° C * Approximately 18 minutes from -70 ° C	10	1,950	9,750	○	×	×	×
	E	-80 °C Vaccine storage freezer	Single-phase 100V	360w 7.6 A	5000w 50 A	* Approximately 70 minutes from -80 °C	22	4,290	21,450	○	×	×	×
Our products	Stirling Engine Japan Ltd.	Ultra-cooled Logibox CPF15L80	Single-phase 100V / DC12V ~ 30V	80w/1A	*100w /1.25 A	Approximately 60 minutes from -80 ° C, 72 minutes for battery, total 132 minutes	5	975	4,875	○	○	Built-in ○	USB ○

1 box = 195 vials

\* The power and voltage at startup are as low as 1/30 to 1/50 compared to other companies' products, and there is an advantage in power consumption.

\* CPF15L80 has a built-in 1-hour battery OP: 4 hours / 6-hour battery

## Main functions

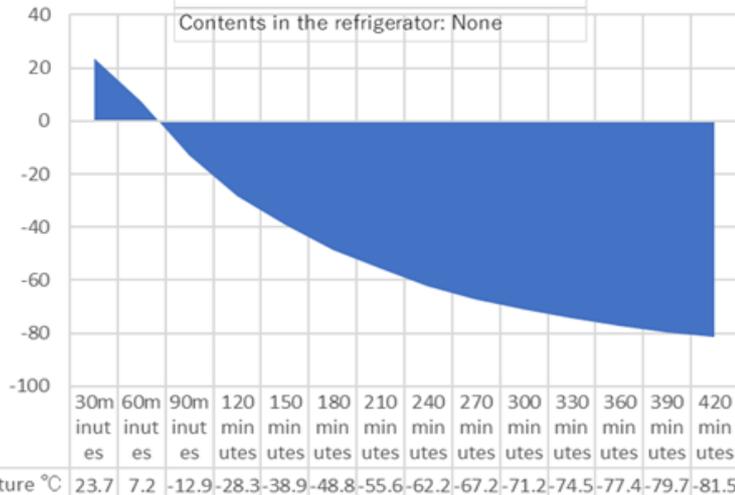
- Achieves a temperature of minus 85 °C in an environment of + 25 °C
- With secure lock function
- With integrally molded hard box + casters
- Built-in backup battery in case of power failure 1 hour (OP: 4 hours, 6 hours)
- Built-in temperature data logger (acquire temperature history via USB)

## Cooling curve

Ambient temperature: 25 ° C

Measurement location: Central inside

Contents in the refrigerator: None



CPF15L80	spec
External dimensions	620 x 493 x 625m m
Inside dimension	237 x 297 x 239m m
Internal capacity	15L
weight	32 k g
Power-supply voltage	AC100V
Operating power	80W
Maximum output	100W
Temperature range	* -85°C~+30°C
Built-in battery	1hour

To purchase, please contact the following agency