

Low Temperature Circulator CoolAce® CA-1320

Built-in, compact circulator



CA-1320

Features

- CA-1320 is designed as a compact CoolAce. The unit can be placed under laboratory table thanks to low height and is helpful in effectively using limited laboratory space.
- Various safety functions are incorporated such as self-diagnosis, refrigerator overload relay and refrigerator protection timer.
- Alarm signal outlet is available (option).
- Though compact in size, the capacity of CA-1320 is powerful enough to cool two 1L evaporators and aspirators simultaneously or two 1L evaporators and two solvent recovery units.

Specifications

Product Name	Low Temperature Circulator (CoolAce)
Model	CA-1320
Cat. No.	249180
Circulation method	Closed loop
Temp. setting range	-20 ~ 20°C
Temp. control accuracy	±2°C
Cooling capacity	1050W (903kcal/h) at liquid temp. 10°C 800W (688kcal/h) at liquid temp. 0°C 600W (516kcal/h) at liquid temp. -10°C
Pump max. flow (50/60Hz)	12/14L/min.
Pumphead max. pressure (50/60Hz)	9.5/13m
Temp. control	Refrigerator ON • OFF control
Temp. setting & display	Sheetkey input • digital display
Refrigerator • coolant	Air cooling, 650W • R407C
Dimensions (mm) & Weight	460W x 430D x 570H 48kg
Power source	1.1kVA AC100V

Low Temperature Circulation Bath PFR-1000, PFR-1000+PFP-1000



PFR-1000 + PFP-1000

Features

- PFR-1000 is a low temperature, multi use bath at -45°C.
- By adding optional circulation pump PFP-1000, the unit can be used also as low temperature circulator from -40°C ~ -20°C.
- Large capacity bath (14L) in compact size (Effective size 180Wx330Dx180Hmm).
- Combined with optional pre-freezer PFM-1000, the unit will serve also as a spare freezing bath.
- Timer function is provided (Auto start, Auto stop).

Specifications

Product Name	Low Temperature Bath	Low Temperature Circulator
Model	PFR-1000	PFR-1000 + PFP-1000
Cat. No.	197410/197418	197410 + 197430
Temp. setting range	-45 ~ -20°C	-40 ~ -20°C
Cooling capacity		360W at -20°C, 310W at -30°C
External circulation (50/60HZ)	-	Max. flow 8/12L/min, max pressure 3/4m at 0.03/0.04MPa
Temp. control		Refrigerator ON-OFF control
Temp. setting & display		Sheetkey input • digital display
Dimensions (mm) & Weight	320W x 550D x 920H 49kg	320W x 550D x 1100H 53kg
Power source	800VA AC100V/1.76kVA AC220V	900VA AC100V/1.98kVA AC220V