

# Thin Film Evaporator MF-1000

Easy to use and compact flash evaporator



MF-1000

## Features

- Compact design allows exclusive use in laboratory for research and experiment. Installation space is as small as 490W x 350D x 930Hmm allowing the use in fume hood.
- High speed rotation of impeller forms thin film to allow evaporation without bumping or foaming.
- Non seal magnetic coupling is adopted for motor to prevent contamination caused by stirring pole.
- Stirring impeller is made of teflon. Impeller and shaft can be separated for easy cleaning.
- Can be connected to hot water circulator HS-1000 by one touch.

### ■ Non seal magnetic coupling



### ■ Teflon impeller Ceramic coupling



### ■ One touch connection to HS-1000



## Specifications

Product name	Thin Film Evaporator
Model	MF-1000
Cat. No.	248980
Rotation speed	100 ~ 1200rpm
Evaporation capacity	Max. 760mL/h (water)
Ultimate vacuum	Less than 399.9Pa (3Torr)
Rotation setting & display	Volume setting & digital display
Motor	DC brushless motor 60W
Evaporation tube	Jacket type, evaporation area 0.025m <sup>2</sup>
Condenser	Vertical double helix condenser cooling area 0.14m <sup>2</sup>
Receiving flask	Condensation side 1L
	Evaporation side 2L
Heating	By hot water circulator (option)
Dimensions(mm) & weight	490W x 350D x 930H 17kg
Power source	200VA AC100V

## System example



Product name	Model	Cat. No.
Flash evaporator	MF-1000	248980
Hot water circulator	HS-1000	248990
Automatic sample injector	AFB-1000	261380
Vacuum control unit	NVC-2300B	257260
Diaphragm vacuum pump	NVP-1000	261800
Cold water circulator	NCA-1000	261580

## Option

### ■ Heating Bath Circulator HS-1000



## Specifications

Product name	Heating Bath Circulator
Model	HS-1000
Cat. No.	248990
Circulating system	Closed loop system
Temperature range	RT+15 ~ 90°C
Temp. control accuracy	±1.5°C
Flow volume	Max. 9/10L/min
Heater	1.1kW
Dimensions(mm)	210W x 310D x 430H

### ■ Heating curve MF-1000 + HS-1000

