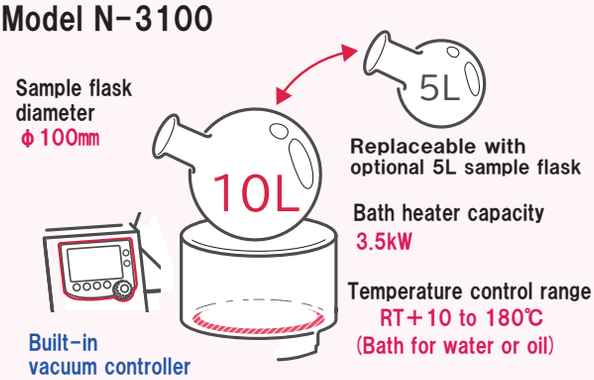
EYELA

10L ROTARY EVAPORATOR

Elaborate and space-saving design with versatile ability

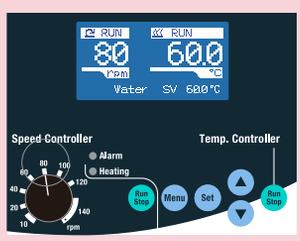
N-3100

10L Standard Model N-3100



Vacuum controller

Rotation and temperature controller



Vacuum controller, rotation and temperature control parts are newly designed. The liquid crystal display (LCD) is re-designed and enlarged. It allows individual function information to be displayed and is easier to read and operate.

Enhanced safety features

Float switch detects low water level in the bath and prevents empty boil

Safety cover to prevent hands and clothes from getting caught during rotation

TOKYO RIKAKIKAI CO., LTD.

Model	N-3100
Cat. No.	280748
Sample flask	10L Round shaped flask (Diameter 100mm)
Rotation speed range	10 - 140 rpm (Continuous variable speed)
Evaporation capacity	Max. 3.5L/h (Water)
Ultimate vacuum	2.6hPa (2Torr) or less
Temperature control range	Room temp. +10 to 180℃ (Water or oil)
Temperature control accuracy	±1℃/±3℃ (with water/oil, when flask rotating)
Vacuum control	Controls (Constant value, Program, Step program, auto [temperature sensor is optional]
Receiving flask	5L round shaped flask (with drain valve)
Bath dimension, capacity, and material	ID360x200Hmm, 20L, SUS304
Connection diameter	Suction/cooling water nozzle OD 16mm Control solenoid valve nozzle OD 13mm
Outer dimensions (mm) /weight	930W×450D×1890H /Approx. 103kg
Power input and supply voltage	17A, 3.9kVA/230V single phase 50/60Hz
Power utility	230VAC single phase 23A capacity

※Specifications are room temperature 20℃, rated power supply voltage, 50Hz, and no load.
※Evaporation capacity varies depending on conditions such as degree of vacuum, bath temperature, and cooling water temperature.
※Temperature control range depends on the ambient temperature and evaporation rate.
※Power plug is not included.

10L standard system | **System code SYS09483**

This system includes the following products.

Product name	Model	Cat. No.
Rotary Evaporator	N-3100	280748
Low temp. circulator	CA-2610	270140
Diaphragm vacuum pump	N950	251170
Power cord	For N950	245370
Cooling hose ID15mm 5mx2 pcs		174460
Vacuum hose ID9xOD21mm		119190

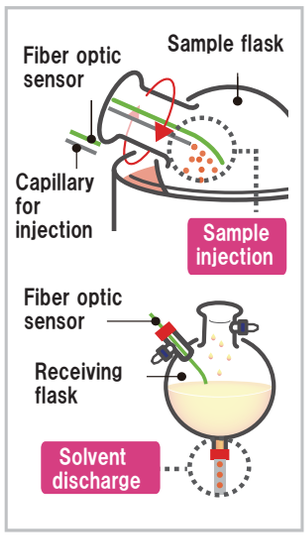
Options (for medium to large size rotary evaporators)

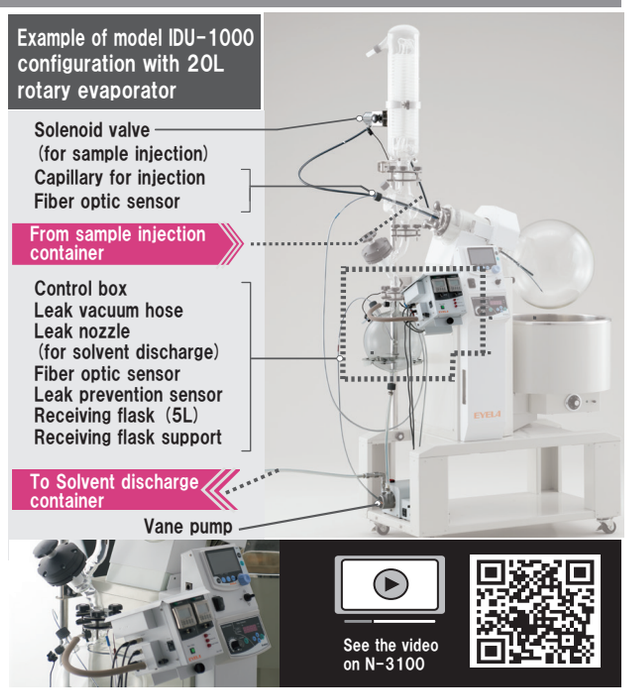
Sample injection/solvent discharge unit
Model IDU-1000 (Cat. No. 259820)

IDU-1000 is used in combination with the medium to large size rotary evaporators. The fiber-optic sensors installed in the sample flask and receiving flask detect increase or decrease in sample and solvent volume, allowing continuous injection of sample into the sample flask and discharge of solvent from the receiving flask (PAT.) without stopping the system (without releasing the vacuum). Thus, IDU-1000 greatly reduces working time.

- Ultimate vacuum: Vacuum in rotary evaporators + 3hPa
- Solvent discharge pump: Max. volume 0.8/0.96L/min (50/60Hz)
- Operating fluid temperature: 10 to 40℃

※ Vessels for sample injection and solvent discharge are not included.
※ Acid-based samples cannot be used.





Liquid level control unit
Cat. No. 279860

Option to stop sample injection/concentration by detecting the amount of sample in the sample injection vessel/amount of solvent in the discharge solvent vessel by a fiber-optic sensor.

Fiber optic sensor (1pc, 2.5m)

Teflon® coating	Cat. No.
0.5m	279710
1m	279720

※Two fiber-optic sensors are required when using the liquid level control unit.

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