

State-of-the-art model with body renewed sophisticatedly Pursuing easy-operation, attractive new functions have been implemented!

Rotary Evaporator

N-1300E·V·S Series



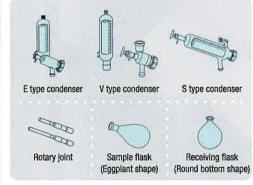
TOKYO RIKAKIKAI CO., LTD.



■Composition & Specifications

E·V·S glass set

| Product name | Rotary Evaporator | | | | | |
|--|-------------------------------------|----------------------|------------------------------------|--|--|--|
| Free selection of N-1300 main unit driving part, E-V-S condenser, water or oil bath. | E-V-S N-1300 main unit driving part | glass set Water bath | glass set Water/oil bath | | | |
| Bath type | w/o bath | Water bath | Water/oil bath | | | |
| Bath temp, control range & accuracy | | RT + 5 ~ 90°C ± 1°C | RT + 5 ~ 180°C ± 1.5°C (oil ±3°C) | | | |



E type glass set suitable for installation in fume hood.

E type condenser: Vertical double helix condenser with built-in adapter (cooling area 0.117m²)

Rotary joint: \$29/38, ID 18xL 178mm Sample flask (Eggplant shape): 1L \$29/38

Receiving flask (Round bottom shape): 1L Ball joint \$35/20

V type glass set applicable to both small or large volume flask.

V type condenser: Vertical double helix condenser with built-in adapter (cooling area 0.146m²)

Rotary joint: \$29/38, ID 18x L 178mm Sample flask (Eggplant shape): 1L \$29/38

Receiving flask (Round bottom shape): 1L Ball joint S35/20

S type glass set applicable to both low or high boiling point liquid.

S type condenser: Diagonal double helix condenser (cooling area 0.146m²)

Rotary joint: \$\Pi29/38, ID 18x L 272mm Sample flask (Eggplant shape): 1L \$\Pi29/38

Receiving flask (Round bottom shape): 1L Ball joint \$35/20

| | Hoodring hask (Houris Bottom shape). To built good bottom shapes. | | | | | | | | | |
|----------------------------------|---|-----------------------------------|--------------|------------------|------------------------------------|-----------------|------------------------------|------------------------------------|-------------|--|
| Model | N-1300E | N-1300V | N-1300S | N-1300E-W | N-1300V-W | N-1300S-W | N-1300E-WB | N-1300V-WB | N-1300S-WB | |
| Cat. No. for 230V, 50/60Hz | 266492 | 266432 | 266372 | 266512 | 266452 | 266392 | 266532 | 266472 | 266412 | |
| Cat. No. for 115V, 60Hz | 266499 | 266439 | 266379 | 266519 | 266459 | 266399 | 266539 | 266479 | 266419 | |
| Rotation speed | | 10~310rpm | | | | | | | | |
| Evaporation capacity | | Max. 23mL/min (Water evaporation) | | | | | | | | |
| Rotation speed setting & display | | | | Settin | g by dial Digital (| display | | | | |
| Jack function | | | Ma | nual balancing s | stem (Jack strol | ke 180mm, stepl | ess) | | | |
| Motor | | DC blushless motor | | | | | | | | |
| Heater | | | | | | | | | | |
| Vacuum acal | Vacuum seal (Teflon®+Teflon®· Viton double seal) 1 set | | | | | | | | | |
| Vacuum seal | Genuin parts: vacuum seal 2 sets Cat. No. 142610 | | | | | | | | | |
| Bath inner dimensions (mm) | Se UU | | | | ID 220 x 120H | | | ID 240 x 120H | | |
| Bath material & capacity | 72 | | | SUS 304 4.3L | | | Aluminum (Teflon coating) 5L | | | |
| Bath inlet terminal | For connection to evaporator main unit driving part Max. 2A | | | | | | | | | |
| Bath connection nozzle | Cooling hose nozzle · Suction nozzle OD 10mm | | | | | | | | | |
| Ambient temperature | 5~35°C | | | | | | | | | |
| Dimonoiona | E: 514W x | 342D x 645(825 |)H 8.8kg | E: 578W x | 352D x 645(825 | 5)H 12.7kg | E: 565W x | 352D x 645(825) | H 13.3kg | |
| Dimensions | V: 497W x | V: 497W x 342D x 823(1003)H 8.9kg | | | V: 543W x 352D x 823(1003)H 12.8kg | | | V: 531W x 352D x 823(1003)H 13.4kg | | |
| (Max. height) (mm) | S: 672W x | 342D x 504(684 |)H 8.2kg | S: 736W x | 352D x 504(684 | 4)H 12.1kg | S: 724W x | 352D x 504(684) | H 12.7kg | |
| Power source | 126VA · AC11 | 5V/253VA · AC2 | 30V, 50/60Hz | 1.1kVA · AC11 | 5V/2.6kVA - AC2 | 30V, 50/60Hz | 1.1kVA · AC11 | 5V/2.5kVA · AC23 | 0V, 50/60Hz | |

^{*} Performance data was taken under 20°C of ambient condition with rated power and voltage.

 $^{^{\}star}$ Adjustable accuracy of bath temperature was taken value when a sample flask was turning.

^{*} Performance of evaporation differs depending on revolution speed, vacuum condition, bath temperature, condensing temperature, sample flask.

^{*} There is F series (EYELA COAT®) which is applied with coating on glassware and superior with chemical resistance, transparency, cold resistance (-80°C) and heat resistance (120°C).

"Renewal design from the conventional evaporator" Differences of New type evaporator, N-1300

It is renewal as N-1300 after 50 years since we had launched our first evaporator N-1 and our past successive evaporators have continued to be well accepted and highly appraised at laboratories over half century. Design is renewed from the conventional model and it has finished up as a product which can constitute better laboratory environment.

High flexibility in installation and Capability in space efficiency



Possible to install glassware set from either of Right or Left hand side to fit in installation spot.

Glassware can be set at either of right or left hand side of machine body. A machine can be set up, in consideration with space on lab table and dominant hand.



A vertical E-type condenser suited for fume hood

A vertical condenser with a built-in adapter (E type condenser) has compact design in consideration with using in fume hood. Moreover, the condenser has been designed with no-reverse flow from capillary without having any concern, and with efficient vapor collection in spite of the compact size.



Easy setting and useful Stand-base bath

Since the both shapes of the evaporator stand-base and the water & oil bath have been improved to round, the bath can be set front always in spite of any angles (positions) of the evaporator base. It is possible to check bath temperature and enter temp. Setting without looking over.

Improvement for even easier operation, New functions to be implemented



Implementation of automatic reverse revolution to be suited for drying-out and concentration of powder and solid substance etc.

Direction of flask revolution (Clockwise or Counter-clockwise) can be set up. Even automatic reversing is available. And, it (N-1300) can be applied to dry-out of powder and dry-out & concentration of samples including solid substance.



Addition of new anti-reverse cover that protects against pool of condensed fluid

Protection cover against fluid pool is added at the foot of a condenser (Receiver flask side). It protects fluid pool that happens to appear at sealing part when the condenser is tilted. Anti-reverse cover blocks entry of condensed fluid that flows inside of glassware.



Possible to fix jack at any elevation depending on flask's shape due to non-stepping positions

The jack can be adjustable without definite positions freely, that is different from the conventional evaporator. Since elevation can be fixed in accordance with size and shape of sample flask at any positions, it is easy to handle even when trap ball is used.



With exclusive option added, capable to put and remove insulation hose easily

In use of optional one-touch connector and one-touch insulation hose, the condenser and the insulation hose can be put and removed easily. One-touch insulation hose makes ziptie bundling unnecessary despite bundled before. Line-connection is established just by inserting the insulation hoses into the connectors which are on a condenser.

Option



Exclusive cover to reduce dew which appears on A condenser and nozzle parts.

By putting exclusive cover on A condenser and nozzle parts, dew (dew condensation water) can be preventive. This cover can be applied to not only this new model but also models of the conventional evaporators.

Dew preventive cover for rotary evaporator

Consist: Cover for condenser, Covers for nozzle parts including 2 sets

Material: PP, Insulation, Urethane foam

Using condition: Higher than -10°C of circulating fluid tempa

(When circulating cooling media.) Cat. No. **266040** for V type Cat. No. **270730** for S type

Transparent cover to confirm evaporation status.

Condenser cover for rotary evaporator

Composition: Condenser cover, Nozzle cover (2 pcs)
Material: Transparent PET, Silicone, Foamed silicone
Operating condition: Lowest circulating liquid temperature 5°C

(Room temp. 30°C, Humidity less 70%, circulation liquid; water)

Cat. No. 266110



One-touch connector

(ID10mm, including 2 pieces)

With "One-touch cold insulation hose set" used together, hose can be connected and disconnected easily.

Cat. No. 267980



One-touch cold insulation hose set

(-20 to 40°C as applicable temperature)

It is not necessary to bundle zip-tie around hose like the conventional connection. The connection is established just by insert into the one-touch connector.



Cold insulation hose set

(-30 to 80°C as applicable temperature)

It is preventive against dew that appears when cooling media is circulated through, and reduces loss of cooling ability.

| Product name | Tube diameter | Length | Cat. No. |
|----------------------------|---------------|--------|----------|
| O 4 | OD 10 | 2m | 244940 |
| One touch cooling hose set | OD 10mm | 5m | 244950 |
| 01 | ID 0 | 2m | 112700 |
| Cooling hose set | ID 9mm | 5m | 174420 |

Relating products

Please hook up the following EYELA products when A evaporator constitutes system.

CA-1115, CCA-1111

Low temp. circulator :

Diaphragm vacuum pump: NVP-1000, NPV-2000, NPV-2100

Solvent recovery unit :

DPE series

Vacuum control unit: NVC-2300 series

Polyurethane resin coating which prevents from glass scattering when broken.

EYEL4 COAT®

Glass parts that are applied with Eyela coat (Polyurethane resin coating), are not broken easily while glass and sample are not scattered in pieces and splash easily even if it is broken. Glass transparency is high. Membrane of new composition which is superior for chemical property.

- polyurethane resin that is not like vinyl chloride of high environment load and is environment freiendly, is selected.
- Range of heat resistance temperature, is -80 to 120°C. It is tough with each solvent and superior with chemical resistance.

We have also F series evaporator which includes the coated glassware (Eyela coat®) that is superior with chemical resistance, transparency, cold resistance (-80°C), heat resistance (120°C).

| Main unit composition | Glas | s set | | Model | AC230V Cat. No. | AC115V Cat. No. |
|--|----------------|-------|---------------|-------------|--------------------|--------------------|
| | Eyela COAT® | EF | 2 3 | N-1300EF | 266502 | 266509 |
| Without bath N-1300 only | | VF | \rightarrow | N-1300VF | 266442 | 266449 |
| N-1300 only | | SF | | N-1300SF | 266382 | 266389 |
| | Eyela COAT® | EF | | N-1300EF-W | 266522 | 266529 |
| With water bath N-1300+SB-1300 | | VF | \rightarrow | N-1300VF-W | 266462 | 266469 |
| | | SF | - 0 | N-1300SF-W | 266402 | 266409 |
| | Eyela COAT® | EF | _ | N-1300EF-WB | 266542 | 266549 |
| With water/oil bath N-1300+0SB-2200 | | VF | -> | N-1300VF-WB | 266482 | 266489 |
| | | SF | | N-1300SF-WB | 266422 | 266429 |

^{*} Eyela coat® is applied to condenser, receiving flask, adaptor (V type).

TOKYO RIKAKIKAI CO., LTD.

www.eyelaworld.com

Safety Caution

Please read "Instruction Manual" carefully before operation for your safety, $\footnote{\footnote{help}}$

TN Koishikawa Bldg.

1-15-17, Koishikawa, Bunkyo-ku,

Tokyo, 112-0002 Japan

TEL: +81-3-6757-3378

FAX: +81-3-3868-6571

E-mail: info.eyela@eyela.co.jp



N-1210B Series Rotary Evaporator

New design for safety, security and high performance in the laboratory



N-1210B

- + vertical cooler V type glass set
- + water / oil dedicated bath OSB-2200

N-1210B

- + horizontal cooler S type glass set
- + water dedicated bath SB-1300 type

N-1210B

- + T type Dewar type cooler glass set
- + water dedicated bath SB-1300 type



Auto jack 1210B series

- •Model N-1210B is an auto jack-type evaporator that can be easily moved up and down with the key switch.
- •In the event of a power failure, the jacks are automatically jacked up, so there is no concern that your important samples will remain in the bath
- •Since the upper and lower key switches are on the front side of the main body base, even if the evaporator is installed in the draft, it can be operated with a small opening, minimizing solvent exposure.
- •Even when a trap ball is connected, the height of the drive can be adjusted by the manual slide mechanism, so that a certain operability can be obtained regardless of the volume of the flask

Features of N-1210 V

 Vertical coolers are uniquely designed to prevent condensate from flowing back through the capillary to the sample flask. It is useful for concentration that dislikes contamination such as analytical samples. The shape adopts a newly designed liquid dripping prevention structure.

Features of N-1210S

 It is S type of horizontal double spiral tube type cooler which expanded the cooling area and increased the efficiency with the size unchanged.

Features of N-1210T

It is T type of the Dewar cooler. It is possible to concentrate low-boiling substances
using dry ice or pouring coolers. It has a unique structure in which the condensate from
the cooler does not flow to the sample flask through the capillary.

Three glass sets and coated glass



V (Vertical Double Tube Cooler) Type Glass Set

Vertical Double Tube Cooler achieves excellent recovery ability by triple structure cooling while saving space. Vertical coolers are suitable for high boilers.



Glass set with S (horizontal double-tube condenser) type Horizontal double-tube condenser can efficiently recover vapor from low-boiling substances to high-

boiling substances.



T (dewar-type cooler) type glass set The

Dewar-type cooler is suitable for recovery of low-boiling substances using ice or dry ice-acetone in the cooler.

Combination with the bath



■ N-1210 BV-W / BS-W / BT-W type water bath only

Water type W type set with water bath type SB-1300 Excellent temperature control performance can be obtained even with a small amount of flask without stirring power.

Temperature adjustment range Temperature accuracy +5 to 90 $^{\circ}$ C \pm 1 $^{\circ}$ C Bath material / Capacity



■ N-1210 BV-WS / BS-WS / BT-WS type dedicated water bath

WS type type equipped with a wealth of safety functions Highly safe and capable of removing the water tank. Temperature control range Accuracy room temperature +5 to 80 $^{\circ}$ C \pm 1 $^{\circ}$ C Bath material / Capacity SUS 304 / Approximately 4.3 L



■ N-1210 BV-WB / BS-WB / BT-WB combined water / oil bath

This is a large-capacity bath that can use a 3 L sample flask of the WD type type

JIS standard with the oil bath OSB-2200 set .

Temperature control range Accuracy

Room temperature +5 to 180 $^{\circ}$ C \pm 1.5 $^{\circ}$ C (oil: \pm 3 $^{\circ}$ C) Bath material

Bath materia

Aluminium (Teflon® coating) Approximately 5.4 L



■ N-1210 BV · BS · BT type + SB-350 + EJ-B type water dedicated bath

You can also **raise and** lower the bus in combination with the simplified type Aira Jack with the low price SB-350 type set . Temperature control range Accuracy Room temperature +5 to 80 $^{\circ}$ C \pm 1.5 $^{\circ}$ C Bath material / Capacity SUS 304 / Approximately 3.5L

N-1210B Series Type Product Features

- Adopted Teflon® vacuum seal. It is excellent in durability and chemical resistance, and can be used for a long time even if it rotates at high speed.
- •The adoption of a one-touch connector nozzle and a one-touch insulated hose makes it easy to attach and remove a hose that circulates cooling water.
 When used in combination with the newly developed vacuum control unit NVC-3000, concentration can be performed by vacuum control tailored to the sample.
 You can also choose from 3 different sets with a bath or a less expensive type that you can use your own.
- Bath for set with bath is SB-1300 type for exclusive use of water, SB-1350 type equipped with plenty of safety functions only for water, large capacity type OSB-2200 type for both water and oil, low price and simple type, there is also has SB-350 type.
- •There is also a type F (BVF / BSF / BTF) type with a glass protective coat (Aira coat®) on the condenser, adapter and receiving flask. The coating is an environmentally friendly polyurethane that is resistant to cracking and is a new composition that resists scattering of glass and samples in the event of breakage. This composition is excellent in chemical

Interlocking with vacuum controller NVC-3000







NVC-3000 type Automatic control and control of the appropriate degree

By connecting with the vacuum controller NVC-3000, not only the pressure under control of the controller but also the coolant temperature, the bath temperature, the number of revolutions of the evaporator, and the vapor temperature (sold separately) can be displayed collectively.

The entire system starts and stops automatically in response to start / stop operations of the evaporator or vacuum controller.

X The bus interlocks only when the operation is stopped.

NVC-3000

Normal mode that can be changed arbitrarily during operation.

Auto mode that can perform boiling point detection, gradient control and pressure setting automatically by simply pressing the RUN key.

Program mode that controls with the appropriate vacuum when solvent name is selected It is equipped.



High-capacity water bath (SB-1300 type)



It is easily attach and remove cold storage hose



Wolf bottle (optional)





A hose holder for bundling hoses necessary to connect related products and an evaporator.

Backflow prevention structure (N-1210BV. BS. BT type)

Specification

| Product name | | Rotary evaporator | | | | | | | |
|-------------------------|--------------------------|--|--|---|--|--|--|--|--|
| Type (- glass set) | | N-1210B -S | N-1210B -V | N-1210B -T | | | | | |
| Performance | Rev. speed range | 5~280rpm | | | | | | | |
| | Evaporating capacity | Max.23mL/min (water) | | | | | | | |
| | Attainable vacuum level | 399.9Pa(3mmHg)or less | | | | | | | |
| \$71.2° | Rev. setting and display | Volume setting · digital display | | | | | | | |
| Functions | Safety function | Fuse (2A) , motor overload protection circuit Jack upper/lower limit switch , auto lift-up on power failure | | | | | | | |
| | Jack function | Motorized lift + manual extension slide | | | | | | | |
| | Rotation motor | Stepping motor | | | | | | | |
| Cor | Jack motor | DC motor | | | | | | | |
| Configuration | Condenser | Horizontal dual spiral condenser Cooling area:0.14 m ² | Vertical dual spiral condenser Cooling area:0.14 m² | Dewar vessel O.D.110×340H (mm) (Internal size:91×230mm) | | | | | |
| | Specimen flask | Pear shaped flask: 1L TS29/38 | | | | | | | |
| | Receiver flask | Round flask:1L ball joint \$35/20 | | | | | | | |
| | Vacuum seal | Teflon seal | | | | | | | |
| Sta | Connection port dia. | Nozzle O.D.: 10mm | | | | | | | |
| Standard | Stand base | T-shape base: 490×335mm | | | | | | | |
| - | Jack stroke | 100mm (motorized lift) + 130mm (manual extension slide) | | | | | | | |
| Operational envtl temp. | | 5~35℃ | | | | | | | |
| External side (mm) | | 670W×359D×520(750)H | 510W×359D×840(1070)H | 510W×359D×748(978)H | | | | | |
| W | eight | Approx.13kg | Approx.13.5kg | Approx.14kg | | | | | |
| Po | wer input | 2A, 200VA | | | | | | | |
| Ra | ted power supply | | AC100V~240V, 50/60Hz | | | | | | |

Performance results have been measured at room temperature of 20°C, rated power source voltage.

^{*} Evaporating capacity differs depending on the vacuum, water bath temperature, coolant temperature or other conditions.



| Product name Model | | Constant temperature oil bath (oil bath) | | | |
|--|--|---|--|--|--|
| | | OSB-2200 | | | |
| Perf | Temperature control range | Room temp.+5°C~180°C (Oil) Room temp.+5°C~80°C (Water) | | | |
| Performance | Temperature control accuracy ※1 | Oil: $\pm 3^{\circ}\mathbb{C}$ (during stirring) Water: $\pm 1.5^{\circ}\mathbb{C}$ (Up to 80°C • during stirring) | | | |
| | Temperature display range | 0~210°C | | | |
| | Temperature control | ON/OFF control | | | |
| | Setting and displaying temperature | Digital display (Minimum digit1℃) · sheet key input | | | |
| Functions | Safety functions | Overheat preventive device (fixed temperature · liquid bloating manual recovery type) Fuse Heat insulation protective bath cover Self diagnostics function Sensor disconnection/short-circuit alarm Outside the measurable temperature range alarm, upper limit alarm Power outage detection, watch dog | | | |
| - 2 | Heater | 1.4kW (For heating can body of the bath) | | | |
| onfiguration | Heater Temperature sensor Bath cover | Pt sensor | | | |
| = 69 | Bath cover | PET (with glass fiber) | | | |
| 0.1 | Material of bath | Aluminum, Teflon coating | | | |
| Standard | Bath capacity | Approx. 50 | | | |
| dan | Effective size in the bath | φ240×120H (mm) | | | |
| а | Container capacity | Max 3€ | | | |
| Oper | ating liquid temperature range | 10∼180°C | | | |
| | ating environmental temperature e×2 | 5~35℃ | | | |
| External dimensions (including handle) | | W282×D282×H244 (mm) | | | |
| Mass | 3 | 4.5kg | | | |
| Rate | d power supply · power input | AC230V 50Hz · 6A | | | |
| Pollı | ntion degree | 2 | | | |
| Over | voltage category | П | | | |
| Operation at a terrestrial altitude | | Max2000m above sea level | | | |

^{%1} Performances have been measured room temperature of 20°C; rated power voltage, 50Hz, no-load, during stirring (1L flask)

2

^{W2 Use the unit at an environment of room temperature :20°C±5°C; humidity:60% or lower when a cool water (5°C or higher). Allow the inside of the unit to completely dry after use.}

SB-1300 Water Bath Specification



Operation Unit N-1300 Type

■操作部 SB-1300型



| Product Name | | Constant temperature water bath (Water bath) | | | |
|--|---|---|--|--|--|
| Mod | lel | SB-1300 | | | |
| Per | Temperature set range | Room temp.+ 5°C ~90°C | | | |
| Performance | Temperature Adjustment Accuracy 1/81 | ±1℃ (during stirring) | | | |
| | Temperature Set Accuracy ※1 | ±5°C (during stirring) | | | |
| | Temperature Indication Range | 0~210°C | | | |
| Functions | Temperature Control | P.I.D control | | | |
| ictic | Temperature Indication · Setting | Digital display (Minimum digit1°C) · sheet key input | | | |
| ons | Safety Functions | Overheat preventive device (fixed temperature · liquid bloating manual recovery type) Fuse Heat insulation protective bath cover Self diagnostics function Sensor disconnection/short-circuit alarm Outside the measurable temperature range alarm, upper limit alarn Power outage detection, watch dog | | | |
| 200 | Heater | 1400W For water only (For heating can body of the bath) | | | |
| Configu | Temperature sensor | Pt sensor | | | |
| n- u | Bath cover | PET (with glass fiber) | | | |
| | Material of bath | SUS304 | | | |
| Stan | Bath capacity | Approx. 4.3L | | | |
| Standard | Effective size in the bath | φ220×120H (mm) | | | |
| | Container capacity | Max 2ℓ | | | |
| Ope | rating liquid temperature range | 10∼95℃ | | | |
| Ope | rating environmental temperature range ※2 | 5~35℃ | | | |
| External dimensions (including handle) | | W285×D295×H244 (mm) | | | |
| Mass | | 3.9kg | | | |
| Rated power supply · power input | | AC230V 50Hz · 6A | | | |
| | ution degree | 2 | | | |
| _ | r voltage category | П | | | |
| Ope | ration at a terrestrial altitude | Max2000m above sea level | | | |

^{%1} Performances have been measured room temperature of 20°C; rated power voltage, 50Hz, no-load, during stirring (1L flask)

^{%2} Use the unit at an environment of room temperature :20°C±5°C; humidity:60% or lower when a cool water (5°C or higher). Allow the inside of the unit to completely dry after use.

NVC-3000 Vacuum Controller Specification





Product features

- Equipped with 4.3 inch color TFT LCD. It is easy to read according to the usage status, such as a system data list display that allows you to check the operation status (settings and measured values) at once, a graph screen that allows you to check the progress of control, and a normal screen that allows you to check the pressure and operation status.
- The pressure setting can be changed at any time, so the pressure can be changed arbitrarily during operation while checking the concentration status. (Manual control) Registered programs for typical solvents including environmentally regulated solvents. If you save the solvent that is always used, only the selected solvent can be displayed. (Program control)
- Built-in step program function that can be used as a pressure controller. Combination of 99 steps of descending and ascending gradients, constant value control, decompression, and opening to the atmosphere are possible per program. Up to 5 programs can be stored. (Step program control)
- When the optional vapor temperature sensor is used, automatic operation with an appropriate vacuum level is possible from the detection of the initial boiling point of the solvent simply by pressing the start key.

| Model | NVC-3000 | | | | |
|--|---|--|--|--|--|
| Product code No. | 269370 | | | | |
| Vacuum setting range | 0 ~ 760mmHg (Torr) 0 ~ 1013hPa (mbar) | | | | |
| Vacuum measurement range | 0-800mmHg (Torr) 0-1066hPa (mbar) | | | | |
| Vapor temperature measurement range | 0 to 150 ° C (when a vapor temperature sensor is connected) | | | | |
| Setting / control method | Dial-type encoder, key input, solenoid valve ON-OFF or variable output voltage | | | | |
| Control program | Fixed value / solvent program / auto / eco / step program | | | | |
| Control items | Pressure, temperature (cooling water, bath, vapor), auto jack, rotation ON-OFF, voltage output, power ON-OFF | | | | |
| display | Color TFT LCD display (4.3 inches) | | | | |
| Display item | Dynamic operation mode, operation status, measured pressure, set pressure, vapor temperature (when an optional sensor is connected), operation time, bath temperature / cooling water temperature / rotary evaporator rotation speed (when communication cable is connected) | | | | |
| External input / output | Cooling water circulation device / bus / rotary evaporator common communication terminal, NVC-NVC communication terminal, inverter pump communication terminal, pump control box communication terminal, vapor temperature sensor terminal, micro USB (for personal computer communication) | | | | |
| Ambient temperature range | 5 ~ 35 °C | | | | |
| Outer dimensions (mm) / mass | 138.7W × 50 (64.5) D × 114.2H · Approx.670g | | | | |
| Power input / power voltage | 0.1A, 10VA · AC100 ~ 240V 50 / 60Hz | | | | |
| Power cord | Can be changed by AC adapter | | | | |