

ROTARY EVAPORATOR and CENTRIFUGE

1. ROTARY EVAPORATOR

a. RV 3 pro V Complete, Cat.No., 0010011410



The RV 3 rotary evaporator is the ideal entry-level model of the IKA rotary evaporator portfolio. It finds a multitude of uses in the chemical, pharmaceutical, and biotechnology industries, in research and development, in manufacturing and quality assurance, in laboratories, and in plant construction.

Scope of delivery

- RV 3 FLEX
- RV 10.1 Glassware vertical
- VC 10 lite
- VACSTAR digital
- VC 10.500 Stand pole
- RC 2 lite
- RV 10.5005 Set of hoses
- PC 1.3 Cable

Technical Data

- Type of cooling : vertical
- Cooling surface : 1600 cm²
- Motor principle : DC
- Speed range : 20 - 300 rpm
- Speed tolerance set rotation speed < 100rpm : ± 1 rpm
- Speed tolerance set rotation speed > 100rpm : ± 1 %
- Lift : manual
- Stroke : 150 mm
- Heating temperature range : room temp. - 99 °C
- Dimensions (W x H x D) : 440 x 530 x 330 mm
- Weight : 28.3 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 20
- Voltage : 100 - 240 V
- Frequency : 50/60 Hz
- Power input : 1400 W

b. RV 8 Pro V Complete, Cat.No., 0010011411



RV 8 V rotary evaporator, the package includes the HB digital heating bath with a capacity of 4 liters and a heating temperature range of RT to 180 °C, , a highly efficient vertical glass condenser set with 1L receiver and evaporator flask, as well as the the VACSTAR digital vacuum pump with VC 10 lite vacuum controller and the RC 2 lite recirculating chiller. The included VACSTAR digital vacuum pump is extremely space-saving and achieves a minimum vacuum of 2 mbar. The compact RC 2 lite recirculating chiller with strong 400 watt cooling capacity and a powerful pressure and suction pump (0.35 bar) is designed for simple cooling tasks down to -10 °C.

Scope of delivery

- RV 8 FLEX
- RV 10.1 Glassware vertical
- VC 10 lite
- RV 8.3 Stand pole
- VACSTAR digital
- RC 2 lite
- RV 10.5005 Set of hoses
- PC 1.3 Cable

Technical Data

- Type of cooling : vertical
- Cooling surface : 1600 cm²
- Motor principle : DC
- Speed range : 5 - 300 rpm
- Speed tolerance set rotation speed < 100rpm : ±1 rpm
- Speed tolerance set rotation speed > 100rpm : ±1 %
- Lift : manual
- Stroke : 120 mm
- Heating temperature range : room temp. - 180 °C
- Heat output : 1400 W
- Set temperature resolution : ±1 K
- Filling volume max. : 4 l
- Dimensions (W x H x D) : 510 x 490 x 345 mm
- Weight : 25.76 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 20
- Voltage : 100 - 240 V
- Frequency : 50/60 Hz
- Power input : 1500 W
- DC Voltage : 24V=

c. RV 10 Digital Pro V Complete, Cat.No., 0010011963



RV 10 digital is a robust and reliable lab companion. Its optimized bath volume allows for fast heat-up times. The condenser unit has special designed glass tubes that utilize the 1500 cm² surface extremely efficient.

Scope of delivery

- RV 10 digital FLEX
- RV 10.1 Glassware vertical
- VC 10 lite
- VACSTAR digital
- VC 10.400 Stand
- RC 2 lite
- RV 10.5005 Set of hoses
- PC 1.3 Cable

Technical Data

- Type of cooling : vertical
- Cooling surface : 1600 cm²
- Motor principle : DC
- Speed range : 5 - 280 rpm
- Reversible direction of rotation : yes
- Lift : Motor
- Stroke : 140 mm
- Heating temperature range : room temp. - 180 °C
- Heat output : 1300 W
- Set temperature resolution : ± 1 K
- Filling volume max. : 3 l
- Timer : yes
- Dimensions (W x H x D) : 500 x 430 x 440 mm
- Weight : 20 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 20
- RS 232 interface : yes
- Voltage : 220 - 240 V
- Frequency : 50/60 Hz
- Power input : 1400 W

2. CENTRIFUGES

a. IKA Mini G, Cat.No., 0003958000



Mini-centrifuge for all applications which do not require high speeds, e.g. micro-filtrations and cell separation. The mini-centrifuge can be used for both PCR-vessels and PCR-strips. Fixed speed of 6000 rpm and digital timer adjustable from 1 to 99 mins.

Scope of delivery

- IKA mini G
- Rotor for 8 x 1.5/2 ml vessels
- Rotor for 4 x 8 x 0.2 ml PCR strips
- 8 adapters for 0.5 ml vessels (8 pcs.)
- Adapter set for 0.4 ml vessels (8 pcs.)
- Adapter set for 0.2 ml vessels (8 pcs.)

Technical Data

- Capacity : 8 x 2 ml
- Permitted density : 1.2 kg/dm³
- RCF (relative centrifugal force) max. : 2000 G
- Kinetic energy max. : 20 Nm
- Motor rating input : 12 W
- Motor rating output : 8 W
- Speed range : 6000 - 6000 rpm
- Speed deviation : 5 %
- Power-ON time : 99 min
- Timer : yes
- Timer display : 7 segment LED
- Permissible ON time : 100 %
- Quick stop : yes
- Cover opening : automatic
- Rotor exchange : without tool
- Protective cover : yes
- Noise level : 48 dB(A)
- Dimensions (W x H x D) : 155 x 105 x 175 mm
- Weight : 1.4 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 30
- Voltage : 100 - 240 V
- Frequency : 50/60 Hz
- Power input : 12 W
- DC Voltage : 24 V=
- Current consumption : 500 mA

b. IKA G-L. Cat.No., 0030000774



IKA G-L is the ideal midi centrifuge for all types of separation processes such as those found in molecular biology. It can be used with standard 1.5/2 ml vessels, as well as with PCR strips (optional rotor needed). With a rotational speed of up to 15,700 rpm, the centrifuge is fitted with a high-performance motor.

Scope of delivery

- IKA G-L
- Metal rotor set 12 x 1.5/2.0 ml
- Screwdriver for opening the lid in emergency
- USB A-B Cable

Technical Data

- Capacity : 12 x 1.5/2.0 ml
- Permitted density : 1.2 kg/dm³
- RCF (relative centrifugal force) max. : 16500 G
- Kinetic energy max. : 940 Nm
- Motor rating input : 65 W
- Speed range : 800 - 15700 rpm
- Speed deviation : 2.5 %
- Setting accuracy speed : ± 100 rpm
- Timer : yes
- Timer display : 7 segment LED
- Unbalance sensor : yes
- Quick stop : yes
- Cover opening : automatic
- Rotor exchange : without tool
- Protective cover : yes
- Noise level : 55 dB(A)
- Shortest start-up time to max. speed : 17 s
- Shortest breaking time from max. speed : 18 s
- Display changeable rpm $\leftrightarrow$ rcf : yes
- Dimensions (W x H x D) : 200 x 140 x 288 mm
- Weight : 3.9 kg
- Permissible ambient temperature : 5 - 40 °C
- Permissible relative humidity : 80 %
- Protection class according to DIN EN 60529 : IP 20
- USB interface : USB-B

- Voltage : 220-230 V
- Frequency : 50/60 Hz
- Power input : 92 W
- Power input standby : 3 W