RV 10 auto pro V-C Complete

/// Data Sheet

The RV 10 auto pro V-C Complete package is the complete solution for your rotary evaporator setup.

In addition to the rotary evaporator RV 10 auto, the package includes the heating bath HB digital with a capacity of 4 liters and a heating temperature range of RT to 180 °C, the vacuum pump VACSTAR digital and the recirculating chiller RC 2 lite. All components and connections required for operation are included.

The RV 10 auto is the flagship of the IKA rotary evaporator product line. Among other features, it impresses with its innovative and intuitive operation via a brilliant TFT color graphic display, an integrated vacuum controller, cooling water

monitoring and sophisticated safety standards. The RV 10 auto offers all characteristics for efficient, safe and economical operation. This includes the automatic regulation of the vacuum and the amount of cooling water. The individually adjustable cleaning cycle of the vacuum controller reduces the maintenance interval and at the same time extends the service life of the system.

Thanks to specially designed glass guides, the transparently coated vertical condensor with 3 cooling coils uses the cooling surface of 1500 cm² extremely efficiently. The RV 10 auto allows the user to carry out individual processes via the extended programming of ramps. Other innovative features such as soft start, clockwise and anticlockwise rotation in intermittent operation or the timer function for controlling time sequences make everyday laboratory work easier. Safety is ensured by the motorized lift with 'safety-stop' function. In the event of a power failure, it automatically lifts the evaporation flask out of the heating bath. In addition, individually adjustable safety temperature circuits, dry run protection, adjustable end position detection to protect against glass breakage, coated glass sets and a locking function ensure user safety. The USB or RS-232 interface allows remote control using the IKA software labworldsoft® and the option of updating using the Firmware Update Tool.

The included vacuum pump VACSTAR digital is extremely space-saving and achieves a minimum vacuum of 2 mbar. It is controlled directly by the drive unit RV 10 auto using the data cable supplied and enables automatic boiling point detection.

The compact recirculating chiller RC 2 lite with a 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. The easily accessible and easy-to-clean mesh filter made of stainless steel ensures a consistently high cooling performance for years. Thanks to the natural refrigerant R290, the RC 2 lite is particularly environmentally friendly and well prepared for the future.

Warranty
By registering your devices online at www.ika.com/register, you can extend the warranty of your products free of charge. For rotary evaporators and heating baths, the standard warranty is two years, plus three additional years after registration (2+3). For peripheral devices included in the package (vacuum pump and chiller), the additional warranty is one year (2+1).

Scope of delivery
•RV 10 auto pro
•VACSTAR digital
•RV 10.10 Glassware vertical coated
•RV 10.70 Vapor tube (NS 29/32)

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- •H.SI.8 Tube
- •VSE 1
- •RC 2 lite
- •H 11 Mains cable Euro plug (2 pcs.)

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Technical Data

Type of cooling	vertical
Cooling surface [cm2]	1500
Coating	yes
Motor principle	DC
Speed range [rpm]	5 - 300
Reversible direction of rotation	yes
Lift	Motor
Stroke [mm]	140
Heating temperature range [°C]	room temp. - 180
Heat output [W]	1300
Set temperature resolution [K]	1
Filling volume max. [l]	3
Vacuum controller integrated	yes
Measurement accuracy +/- [mbar]	1
Vacuum adjustment range [mbar]	1050 - 1
Vacuum measurement range [mbar]	1050 - 1
Timer	yes
Dimensions (W x H x D) [mm]	500 x 430 x 440
Weight [kg]	21.5
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 20
RS 232 interface	yes
Voltage [V]	220 - 240
Frequency [Hz]	50/60
Power input [W]	1400