



designed for scientists



## RV 3 V Starter Solution

/// Data Sheet

The RV 3 Starter Solution is the cost-effective complete package for your rotary evaporator setup.

In addition to the rotary evaporator RV 3 V, the package includes the HB eco heating bath with a capacity of 4 liters and a heating temperature range of RT to 99 °C, a highly efficient vertical glass condenser set with 1L receiver and evaporator flask, as well as the VACSTAR lite vacuum pump with VC 10 lite vacuum controller and the RC 2 lite recirculating chiller. All components and connections required for operation are included.

The RV 3 rotary evaporator is the ideal entry-level model of the IKA rotary evaporator portfolio. It finds a multitude of



designed for scientists

uses in the chemical, pharmaceutical, and biotechnology industries, in research and development, in manufacturing and quality assurance, in laboratories, and in plant construction. Thanks to specially designed glass guides, the condenser makes extremely efficient use of the 1500 cm<sup>2</sup> cooling surface.

The included VACSTAR lite vacuum pump is extremely space-saving and achieves a minimum vacuum of 9 mbar. It is controlled by the supplied VC 10 lite vacuum controller. In addition to controlling the recirculating chiller, the controller also enables manual setting of the vacuum as well as program-controlled operation.

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. 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](http://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 3 FLEX
- RV 10.1 Glassware vertical
- VC 10 lite
- VACSTAR lite
- VC 10.600 Stand pole
- RC 2 lite
- RV 10.5005 Set of hoses
- PC 1.3 Cable



designed for scientists

## Technical Data

|                                                   |                 |
|---------------------------------------------------|-----------------|
| Type of cooling                                   | vertical        |
| Cooling surface [cm <sup>2</sup> ]                | 1500            |
| Motor principle                                   | DC              |
| Speed range [rpm]                                 | 20 - 300        |
| Speed tolerance set rotation speed < 100rpm [rpm] | ±1              |
| Speed tolerance set rotation speed > 100rpm [%]   | ±1              |
| Lift                                              | manual          |
| Stroke [mm]                                       | 150             |
| Heating temperature range [°C]                    | room temp. - 99 |
| Vacuum pump                                       | VACSTAR lite    |
| Pump rate max. (50/60Hz) [m <sup>3</sup> /h]      | 1.0             |
| Pump rate max. (50/60Hz) [l/min]                  | 16.7            |
| Final pressure [mbar]                             | 9               |
| Dimensions (W x H x D) [mm]                       | 440 x 530 x 330 |
| Weight [kg]                                       | 28.3            |
| Permissible ambient temperature [°C]              | 5 - 40          |
| Permissible relative humidity [%]                 | 80              |
| Protection class according to DIN EN 60529        | IP 20           |
| Voltage [V]                                       | 100 - 240       |
| Frequency [Hz]                                    | 50/60           |
| Power input [W]                                   | 1400            |