

## Data Sheet

Distilling / Rotary Evaporators



### RV 3 V

The new 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. Thanks to specially designed glass guides, the condenser makes extremely efficient use of the 1500 cm<sup>2</sup> cooling surface.

- New: 4 l heating bath for up to 100°C
- water heating bath with digital temperature display and carrying handles
- mechanical lift end-point safety stop
- locking mechanism: red indicator shows unlocked position of the vapor tube
- manual lift for precise positioning of the glassware
- adjustable immersion angle
- single-handed manual lift handling, suitable for left and tight-handed operators
- stepless speed setting with dial control and speed display
- speed range: 5 - 300 min<sup>-1</sup>
- low device voltage (24V) ensures user safety
- flask clamping mechanism with integrated push-off function for easy exchange of evaporation flasks
- high-efficiency condenser with 1500 cm<sup>2</sup> cooling surface - low space requirements
- compatible with the entire range of IKA RV 10 glassware

Accessories: RV 3.1 Support pole, RV 3.4 Woulff bottle, RV 10.5005 Set of hoses, RV 10.1 Glassware vertical, RV 10.10 Glassware vertical coated, RV 10.2 Glassware diagonal, RV 10.20 Glassware diagonal coated, RV 10.3 Vertical-intensive condenser with manifold, RV 10.30 Vertical-intensive condenser with manifold, coated, RV 10.4 Dry Ice Condenser, RV 10.40 Dry Ice Condenser, coated, RV 10.5 Vertical condenser with manifold and cut-off valve for reflux distillation, RV 10.50 Vertical condenser with manifold and cut-off valve for reflux distillation, coated, RV 10.6 Vertical-intensive condenser with manifold and cut-off valve for reflux distillation, RV 10.60 Vertical-intensive condenser with manifold and cut-off valve for reflux distillation, coated, RV 05.10 Balljoint clamp, RV 10.88 Clamp NS 29, RV 10.400 Evaporation cylinder (NS 29/32, 500 ml), RV 10.401 Evaporation cylinder (NS 29/32, 1.500 ml), RV 10.500 Foam brake (NS 29/32), RV 10.600 Distilling spider with 6 distilling sleeves (NS 29/32), RV 10.601 Distilling spider with 12 distilling sleeves (NS 29/32), RV 10.602 Distilling spider with 20 distilling sleeves (NS 29/32), RV

#### Technical Data

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
Dimensions (W x H x D) [mm]	440 x 530 x 330
Weight [kg]	8
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]	75

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10.610 Distilling sleeve, 20 ml, RV 10.606 Distilling spider with 5 flasks 50 ml (NS 29/32), RV 10.607 Distilling spider with 5 flasks 100 ml (NS 29/32), RV 10.90 Evaporation flask, 50 ml, RV 10.91 Evaporation flask, 100 ml, RV 10.80 Evaporation flask (NS 29/32, 50 ml), RV 10.800 Evaporation flask, coated (NS 29/32, 50 ml), RV 10.81 Evaporation flask (NS 29/32, 100 ml), RV 10.810 Evaporation flask, coated (NS 29/32, 100 ml), RV 10.82 Evaporation flask (NS 29/32, 250 ml), RV 10.820 Evaporation flask, coated (NS 29/32, 250 ml), RV 10.83 Evaporation flask (NS 29/32, 500 ml), RV 10.830 Evaporation flask, coated (NS 29/32, 500 ml), RV 10.84 Evaporation flask (NS 29/32, 1.000 ml), RV 10.840 Evaporation flask, coated (NS 29/32, 1.000 ml), RV 10.85 Evaporation flask (NS 29/32, 2.000 ml), RV 10.850 Evaporation flask, coated (NS 29/32, 2.000 ml), RV 10.86 Evaporation flask (NS 29/32, 3.000 ml), RV 10.860 Evaporation flask, coated (NS 29/32, 3.000 ml), RV 10.100 Receiving flask (KS 35/20, 100 ml), RV 10.101 Receiving flask (KS 35/20, 250 ml), RV 10.102 Receiving flask (KS 35/20, 500 ml), RV 10.103 Receiving flask (KS 35/20, 1.000 ml), RV 10.104 Receiving flask (KS 35/20, 2.000 ml), RV 10.105 Receiving flask (KS 35/20, 3.000 ml), RV 10.200 Receiving flask, coated (KS 35/20, 100 ml), RV 10.201 Receiving flask, coated (KS 35/20, 250 ml), RV 10.202 Receiving flask, coated (KS 35/20, 500 ml), RV 10.203 Receiving flask, coated (KS 35/20, 1.000 ml), RV 10.204 Receiving flask, coated (KS 35/20, 2.000 ml), RV 10.205 Receiving flask, coated (KS 35/20, 3.000 ml), RV 10.300 Powder flask (NS 29/32, 500 ml), RV 10.301 Powder flask (NS 29/32, 1.000 ml), RV 10.302 Powder flask (NS 29/32, 2.000 ml), RV 10.70 Vapor tube (NS 29/32), RV 10.74 Vapor tube short (NS 29/32), RV 10.8001 Seal, RC 2 basic, RC 2 control, RC 5 control, MVP 10 basic vacuum pump, VCV 1 Vacuum control valve manual, VCV 2 Vacuum control valve digital, VSS 1 Vacuum safety set, VH.SI.8 Vacuum hose, VC 10 Vacuum controller, VC 10.300 Check valve, VC 10.400 Stand