



### RV 10 basic V

The RV 10 basic is the entry level model into the IKA RV 10 Rotary Evaporator line. It comes equipped with a new universal heating bath, space-saving vertical glassware as well as state-of-the-art safety features. The RV 10 basic is a robust and reliable lab companion. Its optimized bath volume allows for fast heat-up times. The condenser unit has specially designed glass tubes that utilize the 1500 cm<sup>2</sup> surface extremely efficient. That's why the RV 10 basic delivers reliable and reproducible process results usually seen on much more costly systems. Additional features such as smooth start, left-right interval or timer function capability support the user in their daily lab work. Another important aspect of the RV 10 basic are the sophisticated safety features. The motorized lift has an automated lift-out function in case of power outage to prevent superheating of the solvent. Safety temperature circuits can be set individually. Dry-run protection, adjustable lower end stop and lock function of bath setting complete the line of safety features. Furthermore, IKA offers a choice of coated glassware for increased safety needs.

In summary, the entry level RV 10 basic has all the features for smart, safe and affordable distillation.

- Universal (water/oil) heating bath
- Vertical Glassware as standard
- Motorized lift with "safety-stop" function
- Optimized heating bath volume for fast heat-up
- Highly efficient 1500 cm<sup>2</sup> condenser unit
- Rugged design
- Ergonomically placed handles on Heating bath
- Smooth start
- Left-right interval
- Timer function
- Dry-run protection
- Safety temperature circuits
- Lower-end stop
- Choice of coated glassware
- Push-off mechanism to loosen tight fitted glassware
- Easy and safe operation due to ergonomically designed user interface

Package description: With heating bath HB 10 and RV 10.1 Set of glassware, vertical

Accessories: HB 10.1 Shield, HB 10.2 Protective cover, RV 10.900 Glassware vertical, RV 10.1 Glassware vertical, 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

#### Technical Data

Type of cooling	vertical
Cooling surface [cm <sup>2</sup> ]	1500
Motor principle	DC
Speed range [rpm]	20 - 280
Reversible direction of rotation	yes
Lift	Motor
Stroke [mm]	140
Heating temperature range [°C]	Room temp. - 180
Heat output [W]	1300
Heat control accuracy [±K]	5
Bath volume max. [l]	3
Vacuum controller integrated	no
Timer	yes
Dimensions (W x H x D) [mm]	500 x 430 x 410
Weight [kg]	19.6
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 20
RS 232 interface	no
Analog output	no
Voltage [V]	220 - 240 / 115 / 100 - 120
Frequency [Hz]	50/60
Power input [W]	1400

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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 10.70 Vapor tube (NS 29/32), RV 10.73 Vapor tube (NS 24/40), RV 10.80 Evaporation flask (NS 29/32, 50 ml), RV 10.2007 Evaporation flask (NS 24/40, 50 ml), RV 10.2008 Evaporation flask (NS 24/40, 100 ml), RV 10.81 Evaporation flask (NS 29/32, 100 ml), RV 10.82 Evaporation flask (NS 29/32, 250 ml), RV 10.2009 Evaporation flask (NS 24/40, 250 ml), RV 10.2010 Evaporation flask (NS 24/40, 500 ml), RV 10.83 Evaporation flask (NS 29/32, 500 ml), RV 10.2011 Evaporation flask (NS 24/40, 1.000 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 10.2012 Evaporation flask (NS 24/40, 2.000 ml), RV 10.86 Evaporation flask (NS 29/32, 3.000 ml), RV 10.2013 Evaporation flask (NS 24/40, 3.000 ml), RV 10.300 Powder flask (NS 29/32, 500 ml), RV 10.2017 Powder flask (NS 24/40, 500 ml), RV 10.2018 Powder flask (NS 24/40, 1.000 ml), RV 10.301 Powder flask (NS 29/32, 1.000 ml), RV 10.302 Powder flask (NS 29/32, 2.000 ml), RV 10.2019 Powder flask (NS 24/40, 2.000 ml), RV 10.400 Evaporation cylinder (NS 29/32, 500 ml), RV 10.400 Evaporation cylinder (NS 24/40, 500 ml), RV 10.401 Evaporation cylinder (NS 29/32, 1.500 ml), RV 10.401 Evaporation cylinder (NS 24/40, 1.500 ml), RV 10.2025 Foam brake (NS 24/40), RV 10.500 Foam brake (NS 29/32), RV 10.600 Distilling spider with 6 distilling sleeves (NS 29/32), RV 10.2029 Distilling spider with 6 distilling sleeves (NS 24/40), RV 10.2030 Distilling spider with 12 distilling sleeves (NS 24/40), 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 10.602 Distilling spider with 20 distilling sleeves (NS 24/40), RV 10.606 Distilling spider with 5 flasks 50 ml (NS 29/32), RV 10.2034 Distilling spider with 5 flasks 50 ml (NS 24/40), RV 10.2035 Distilling spider with 5 flasks 100 ml (NS 24/40), RV 10.607 Distilling spider with 5 flasks 100 ml (NS 29/32), 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 10.3000 Extension plate, RV 10.8001 Seal, labworldsoft®, RV 10.5003 Pressure control valve, LVS 105 T-ef, UC006 Unichiller, HBR 4 digital Heating bath, H 11 Mains cable Euro plug, H 11 Mains cable USA plug, H 11 Mains cable CH plug, H 11 Mains cable UK plug