



### RV 10 basic plus V

The RV 10 basic plus V rotary evaporator is the upgrade of the basic version of IKA®'s new distillation system. Rotary evaporator RV 10 basic plus V with integrated heating bath HB 10 digital incl. vertical glassware (1 litre).

- Digital water/oil heating bath with adjustable safety circuit and integrated carrying handles, „stand alone" operation is possible, pivoting safety hood as an accessory
- Safe and simple operation by means of ergonomically shaped control unit in the front
- Motorised lift (stroke 140 mm) with "safety stop" function, if the power cuts out the evaporator flask is automatically lifted out of the heating bath
- Adjustable end position recognition to protect the glass from breaking
- Temperature control of the heating bath by a micro controller
- Speed range from 20 to 270 rpm
- Smooth start from 100 rpm
- Digital speed display
- Moves right and left in interval operation for the drying process
- Timer function for time lapse control
- Heats up quickly because of optimised bath volumes
- Cooling surface 1.200 cm<sup>2</sup>
- Push-off mechanism to loosen tightly fitting flasks
- Suitable for DIN EN 12697-3 (Asphalt test for hot asphalt)

Accessories: HB 10.1 Shield, HB 10.2 Protective cover, RV 10.1 Glassware vertical, RV 10.3 vertical-intensive action condenser with manifold, RV 10.30 vertical-intensive action condenser with manifold, coated, RV 10.4 condensate trap, RV 10.40 condensate trap, coated, RV 10.5 reflux distillation, vertical, RV 10.50 reflux distillation, vertical, coated, RV 10.6 reflux distillation, vertical-intensive, RV 10.60 reflux distillation, vertical-intensive, coated, RV 10.70 Steam duct (NS 29/32), RV 10.80 Evaporation flask (NS 29/32, 50 ml), RV 10.81 Evaporation flask (NS 29/32, 100 ml), RV 10.82 Evaporation flask (NS 29/32, 250 ml), RV 10.83 Evaporation flask (NS 29/32, 500 ml), RV 10.84 Evaporation flask (NS 29/32, 1.000 ml), RV 10.85 Evaporation flask (NS 29/32, 2.000 ml), RV 10.86 Evaporation flask (NS 29/32, 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 10.400 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 Destilling spider with 6 destilling sleeves (NS 29/32), RV 10.601 Destilling spider with 12 destilling sleeves (NS 29/32), RV 10.602 Destilling spider with 20 destilling sleeves (NS 29/32), RV 10.606 Destilling spider with 5 flasks 50 ml (NS 29/32), RV 10.607 Destilling spider with 5

#### Technical Data

Type of cooling	vertical
Cooling surface [cm <sup>2</sup> ]	1200
Motor principle	DC
Speed range [1/min]	20 - 270
Lift	Motor
Stroke [mm]	140
Heating temperature range [°C]	room temp. - 180
Heat output [W]	1300
Heat control accuracy [±K]	1
Bath volume max. [l]	3
Vacuum controller integrated	no
Dimensions (W x H x D) [mm]	500 x 430 x 410
Weight [kg]	19.6
Permissible ambient temperature [°C]	5 - 40
Permissible relative moisture [%]	80
Protection class according to DIN EN 60529	IP 20
RS 232 interface	no
Analog output	no
Voltage [V]	220 - 240
Frequency [Hz]	50/60
Power input [W]	1400
<b>Ident. No.</b>	<b>8028000</b>

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 06.13 Seal, RV 06.15 Seal, labworldsoft®, RV 10.5003 Pressure control valve, VC 2 IKA VAC® Vacuum controller, N 920 KT.29.18 Membrane vacuum pump, KV700, UC006 Unichiller, H 11 Mains cable Euro plug, H 11 Mains cable USA plug, H 11 Mains cable CH plug, H 11 Mains cable UK plug