



RV 10 control V auto

New enhanced RV 10 control rotary evaporator with automatic detection of boiling points and direct connection to speed controlled vacuum pump. The all new RV 10 control auto offers all features that are necessary for reduced process time and increased overall performance. The speed managed vacuum pump significantly reduces the noise level as well. RV 10 control auto also manages the cooling water flow as it's needed. The gentle maintenance of the vacuum level prevents over- or undershooting of the target vacuum level. It allows for faster, more efficient and safer distilling processes. RV 10 control auto also is equipped with state of the art safety features such as dry run control or safety temperature circuits. The user can program, save and run up to 10 individual distilling procedures for greater flexibility.

- Motorized lift with safety lift-out function
- Smooth start and interval rotation
- Speed managed vacuum pump to be directly connected
- Recovery rate up to 100%
- Automated boiling point detection
- Universal oil/ water heating bath
- Program function for up to 10 individual procedures
- Dry run control and safety temperature circuit
- Lock function of heating bath settings
- Wide range of IKA glassware
- 2+3 years warranty (after registration)
- High performance cooling condenser

Package description: With heating bath HB 10, speed controlled pump N 920 and RV 10.1 Set of glassware, vertical

Accessories: 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 10.5 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 10.4 Dry Ice Condenser, RV 10.40 Dry Ice Condenser, 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

Technical Data

Type of cooling	vertical
Cooling surface [cm ²]	1500
Motor principle	DC
Speed range [rpm]	5 - 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]	1
Bath volume max. [l]	3
Vacuum controller integrated	yes
Measurement accuracy +/- [mbar]	2
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 410
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 / 100 - 120 / 100 - 115
Frequency [Hz]	50/60
Power input [W]	1400

Ident. No. 0008037800

valve for reflux distillation, coated, RV 10.70 Vapor tube (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 10.840 Evaporation flask, coated, (NS 24/40, 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 10.100 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 10.400 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 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 10.8001 Seal, RV 10.3000 Extension plate, RV 10.4001 Magnetic valve inhouse vacuum, RV 10.4002 Magnetic valve lab vacuum , RV 10.4003 Pump control incl. magnetic valve, RV 10.5001 Water choke valve, RV 10.5002 Water filter, RV 10.5003 Pressure control valve, HB 10.1 Shield, HB 10.2 Protective cover, LVS 105 T-ef, N 920 KT.29.18 Membrane vacuum pump, SC 920 Vacuum pump, KV 600 cooling water supply, UC006 Unichiller