



**IKA**<sup>®</sup>

## Rotary Evaporators



**designed**  
to work perfectly

**The IKA® RV 10 rotary evaporator's award winning design and performance have made a significant difference in your laboratory.**

IKA® is pleased to introduce the RV 8 rotary evaporator. The RV 8, a functional basic model with manual lift and adjustable immersion angle is the most economical option in our range.

For fully automated distillation, IKA® has developed a new RV 10 control with direct connection to a speed controlled vacuum pump and automatic boiling point detection.

The IKA® range of RV 8, RV 10 basic, digital and control rotary evaporators offers excellent distilling solutions to the demanding user. Value for money, design and technology - all for your convenience!

Our advanced RV 10 rotary evaporators stand out because of their extraordinary features, which include the following: a digital temperature display, interval operation, soft start and an adjustable end position recognition to protect the glassware from breaking. The digital version offers an RS 232 interface and the control version an RS 232 / USB interface for connection to labworldsoft® and for online firmware updates.

**5 Year warranty\***

\* 2+3 years after registering at [www.ika.com/register](http://www.ika.com/register), glassware and wearing parts excluded

**Drive: Protection class according to DIN EN 60529: IP 20**  
**Heating bath: Protection class according to DIN EN 60529: IP 21**



## RV 8 | Smart choice!

The IKA® rotary evaporator line has a new family member - the RV 8. The new entry level RV 8 rotary evaporator comes equipped with an easy to use manual lift with integrated safety "lift out function" and is ideal for all standard evaporating applications. Digital displays for both rotation speed and heating bath temperature allow for optimal controlling of all distillation processes. The RV 8 provides a user-friendly operation and distills the required solvent accurately with precise results.

NEW

240  
58.4 °C

Two digital displays for an optimal overview



Compatible with the complete range of IKA® RV 10 glassware



Can be moved by 140 mm to accommodate different flasks

Best-in-class cooling surface  
1500 cm<sup>2</sup>



Heating bath can be used as a stand-alone unit and has integrated ergonomic carrying handles



Key-button with locking function for the heating bath temperature



Glassware for various applications available



Adjustable immersion angle and height

IKA+

RV 8 is the latest in distilling technology that gives you more options to fit within your budget.

## RV 8 | One-hand lifting mechanism

The new RV 8 offers an effortless manual lifting mechanism. The ambidextrous design makes working more convenient and comfortable.



## RV 10 control auto | Automatic distillation!



### RV 10 control auto

The enhanced RV 10 control is now equipped with our fully automated speed control pump N 920. Additionally, the RV 10 control auto detects the required level of vacuum pressure by detecting the boiling point of the solvent. This feature has some significant benefits over a valve-regulated system.

#### Advantages:

- > Increased solvent recovery performance up to 100%
- > Automatic boiling point detection
- > Speed controlled vacuum pump for precise vacuum level
- > Reduced noise level and wearing of pump components
- > Reduced process time and increased overall performance

The gentle maintenance of the vacuum level prevents over (or undershooting) of the target vacuum pressure, an occurrence that is often seen with valve-controlled systems. This feature allows for faster, more efficient and safer distilling processes. It also significantly reduces the noise level of the pump due to the motor speed management functionality of the RV 10 control auto. As a result, you save energy and increase the overall performance.

#### Fully automatic control with with pump speed adjustment

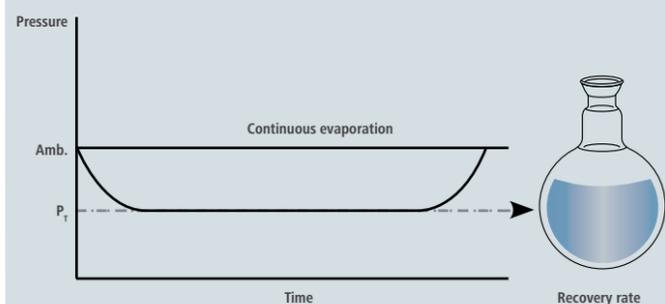


Figure 1

#### Valve-regulated

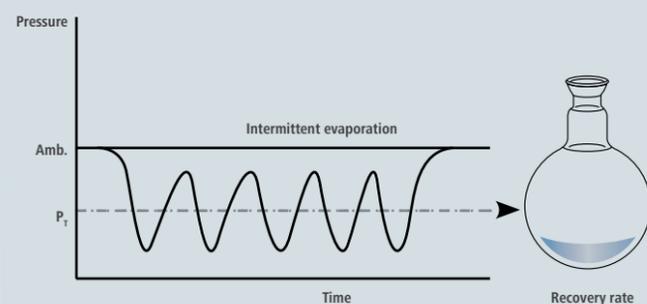


Figure 2

Amb. = Ambient Pressure  
P<sub>t</sub> = Target pressure

Figure 1 shows the gentle and smooth control of a steady vacuum level with RV 10 control auto and speed controlled pump.  
Figure 2 shows the typical behavior of pressure when using a valve-controlled system

For technical details, please see page 9 and 11

## HB 10 | Universal heating bath



### HB 10 Heating bath

The new universal water/oil heating bath with integrated safety features

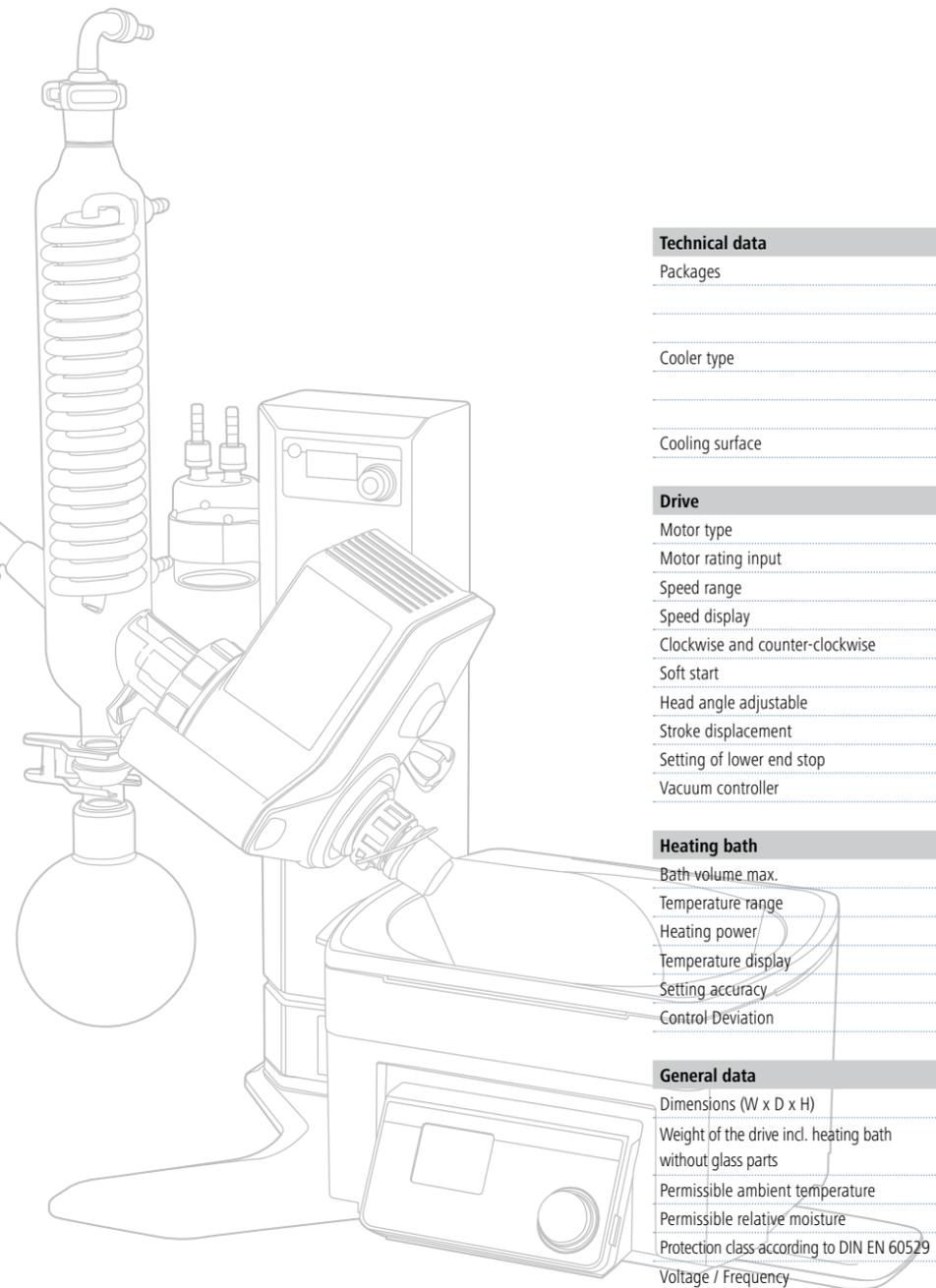
#### Advantages:

- > Lock- function – prevents accidental change of bath settings
- > Dry run control – stops heating the bath if the liquid level has dropped
- > Adjustable safety temperature; user can set temperature limits
- > The heating bath can be used as a stand-alone unit for other applications
- > Ergonomic and well positioned handles for safe transport
- > Optimized bath volume guarantees fast heat-up time



New  
HB10  
With locking  
function

# Rotary Evaporators | Technical data



## Technical data

Packages

Cooler type

Cooling surface

## Drive

Motor type

Motor rating input

Speed range

Speed display

Clockwise and counter-clockwise

Soft start

Head angle adjustable

Stroke displacement

Setting of lower end stop

Vacuum controller

## Heating bath

Bath volume max.

Temperature range

Heating power

Temperature display

Setting accuracy

Control Deviation

## General data

Dimensions (W x D x H)

Weight of the drive incl. heating bath without glass parts

Permissible ambient temperature

Permissible relative moisture

Protection class according to DIN EN 60529

Voltage / Frequency

\* RV 10.4002 Magnetic valve now included with delivery of every RV 10 control V, V-C and FLEX package



RV 8

RV 8 V

RV 8 V-C

RV 8 FLEX

V = vertical

V-C = vertical-coated

FLEX = Incl. Woullf bottle, glassware to be ordered separately  
1500 cm<sup>2</sup>

brushless DC drive motor

50 W

5 – 300 rpm

digital

no

yes

0 to 45°

130 mm, manual

no

optional

3 l

RT to 180 °C

1300 W

digital

1 °C

± 1 K

510 x 345 x 490 mm

17.2 kg

5 to 40 °C

80%

IP 20

220 – 240 V / 50/60 Hz

RV 8 V Package Ident. No. 0008033800

RV 8 V-C Package Ident. No. 0008034200

RV 8 FLEX Package Ident. No. 0008033400



RV 10 basic

RV 10 basic V

RV 10 basic V-C

–

V = vertical

V-C = vertical-coated

–  
1500 cm<sup>2</sup>

brushless DC drive motor

50 W

20 – 280 rpm

digital

yes

yes

0 to 45°

140 mm, motorised

60 mm, contact free

optional

3 l

RT to 180 °C

1300 W

digital

1 °C

± 1 K

530 x 410 x 430 mm

20 kg

5 to 40 °C

80%

IP 20

220 – 240 V / 50/60 Hz

RV 10 basic V Package Ident. No. 0008040600

RV 10 basic V-C Package Ident. No. 0008040700



RV 10 digital

RV 10 digital V

RV 10 digital V-C

RV 10 digital FLEX

V = vertical

V-C = vertical-coated

FLEX = Incl. Woullf bottle, glassware to be ordered separately  
1500 cm<sup>2</sup>

brushless DC drive motor

50 W

20 – 280 rpm

digital

yes

yes

0 to 45°

140 mm, motorised

60 mm, contact free

optional

3 l

RT to 180 °C

1300 W

digital

1 °C

± 1 K

530 x 410 x 430 mm

20 kg

5 to 40 °C

80%

IP 20

220 – 240 V / 50/60 Hz

RV 10 digital Package Ident. No. 0008040300

RV 10 digital V-C Package Ident. No. 0008040400

RV 10 digital FLEX Package Ident. No. 0008040500



RV 10 control

RV 10 control V\*

RV 10 control V-C\*

RV 10 control FLEX\*

V = vertical

V-C = vertical-coated

FLEX = Incl. Woullf bottle, glassware to be ordered separately  
1500 cm<sup>2</sup>

brushless DC drive motor

50 W

20 – 280 rpm

digital

yes

yes

0 to 45°

140 mm, motorised

60 mm, contact free

integrated

3 l

RT to 180 °C

1300 W

digital

1 °C

± 1 K

530 x 410 x 430 mm

21.5 kg

5 to 40 °C

80%

IP 20

220 – 240 V / 50/60 Hz

RV 10 control V Package Ident. No. 0008037700

RV 10 control V-C Package Ident. No. 0008037900

RV 10 control FLEX Package Ident. No. 0008038100

RV 10 control V auto Package Ident. No. 0008037800

RV 10 control V-C auto Package Ident. No. 0008038000

RV 10 control FLEX auto Package Ident. No. 0008038200

## RV 10 control | Efficient & safe distillation!



**IKA®  
Patent**  
Volume controlled  
distillation!

**IKA+**

- > RV 10 control with advanced technology
- > Automatic solvent boiling point detection
- > Integrated solvent library (extendible by the customer)
- > Integrated vacuum controller
- > USB interface and graphical display
- > Direct connection to a speed-controlled pump possible
- > Automatic monitoring of heating bath temperature
- > Online-firmware update via USB or RS 232 possible
- > Complete and customized system solution through combination of a rotary evaporator, a vacuum pump and a chiller

+



KV 600 digital Chiller

Available  
2014



MVP 10 basic pump

## RV 10 control packages



+ RV 10 control +  
RV 10.4002 Magnetic valve



**RV 10 control V**

with heating bath HB 10,  
RV 10.1 Set of glassware, vertical

Ident. No. 0008037700

**RV 10 control V-C**

with heating bath HB 10,  
RV 10.10 Set of glassware, vertical, coated

Ident. No. 0008037900

**RV 10 control FLEX**

with heating bath HB 10,  
incl. Woulff bottle

Ident. No. 0008038100

+ RV 10 control +  
N 920 Speed controlled pump



**RV 10 control V auto**

with heating bath HB 10,  
speed controlled pump N 920,  
RV 10.1 Set of glassware, vertical

Ident. No. 0008037800

**RV 10 control V-C auto**

with heating bath HB 10,  
speed controlled pump N 920,  
RV 10.10 Set of glassware, vertical, coated

Ident. No. 0008038000

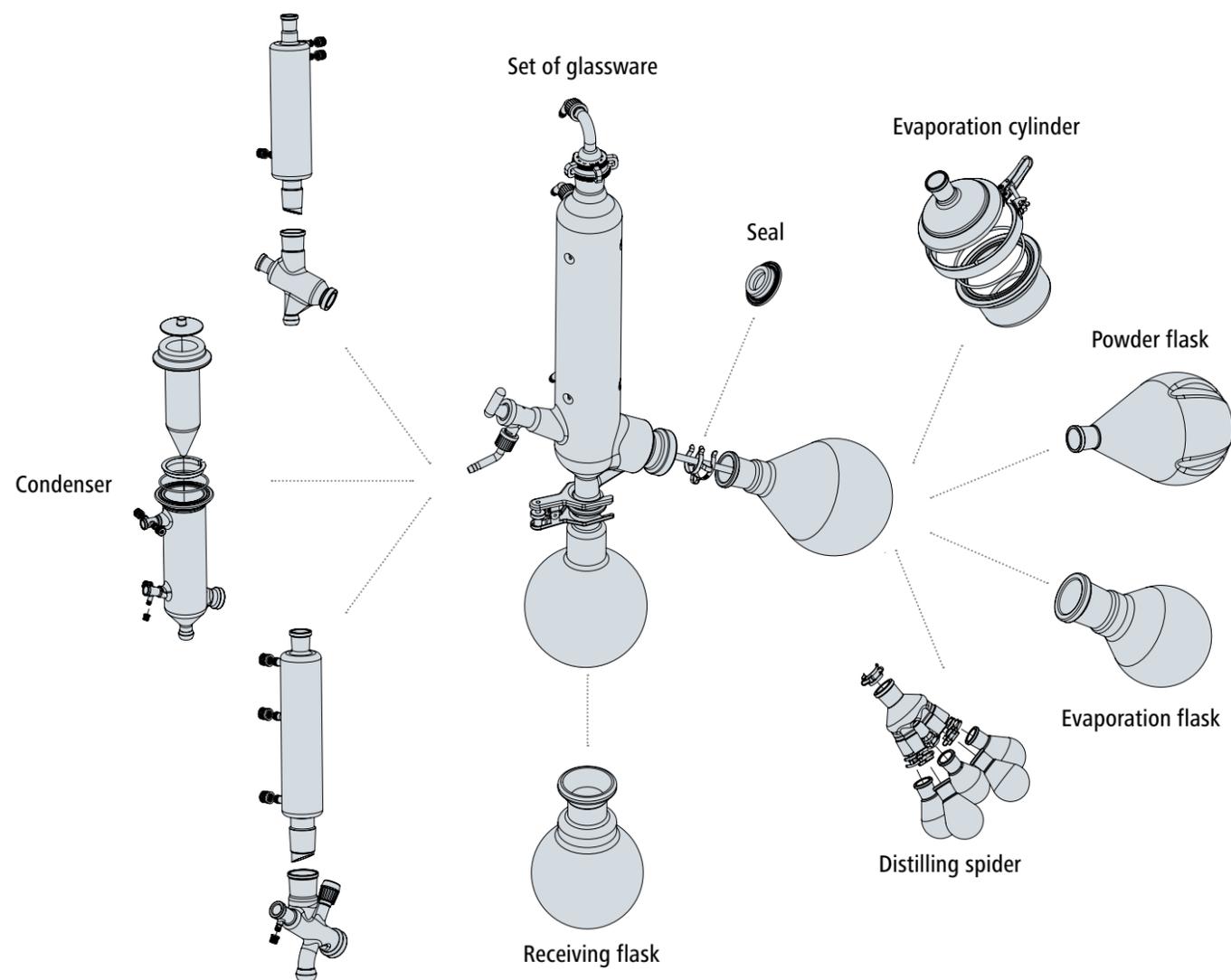
**RV 10 control FLEX auto**

with heating bath HB 10  
speed controlled pump N 920,  
incl. Woulff bottle

Ident. No. 0008038200

Please visit  
[www.ika.com/  
distilling](http://www.ika.com/distilling)

# Rotary Evaporators | Accessories



**RV 10.1 Set of glassware, vertical**  
Compact vertical condenser for all standard distillations.

! Glassware included in all packages, except FLEX

Condenser type	vertical
Cooling surface	1500 cm <sup>2</sup>
Ident. No.	
RV 10.1 Set of glassware vertical	0003655300
RV 10.10 Set of glassware vertical-coated	0003755400

**RV 10.2 Set of glassware, diagonal**  
Diagonal condenser for all standard distillations.

Condenser type	diagonal
Cooling surface	1500 cm <sup>2</sup>
Ident. No.	
RV 10.2 Set of glassware, diagonal	0003755300
RV 10.20 Set of glassware, vertical-coated	0003755500

**RV 10.3 Vertical-intensive condenser with manifold**

Vertical-intensive condenser with double jacket and manifold for particularly efficient condensation.

Condenser type	vertical-intensive
Cooling surface	1400 cm <sup>2</sup>
Ident. No.	
RV 10.3 Vertical-intensive condenser with manifold	0003741000
RV 10.30 Vertical-intensive condenser with manifold, coated	0003741100

**RV 10.5 Vertical condenser with manifold and cut-off valve for reflux distillation**

The solvent to be distilled can be continuously fed in through the PTFE inlet tube.

! Requires RV 10.74 Vapor tube short.

Condenser type	vertical
Cooling surface	1200 cm <sup>2</sup>
Ident. No.	
RV 10.5 Vertical condenser with manifold and cut-off valve for reflux distillation	0003743000
RV 10.50 Vertical condenser with manifold and cut-off valve for reflux distillation, coated	0003743100

**RV 10.70 Vapor tube NS 29/32**

Made of high quality borosilicate glass. For all glassware.

! Included with each RV 10 package.

Material	borosilicate glass
Ident. No.	
RV 10.7 Vapor tube	0003812200

**RV 10.4 Dry ice condenser**

Dry ice condenser for distilling low-boiling point solvents.

! Not possible with autodistillation mode on RV 10 control.

Condenser type	dry ice condenser
Cooling surface	620 cm <sup>2</sup>
Ident. No.	
RV 10.4 Dry ice condenser	0003742000
RV 10.40 Dry ice condenser, coated	0003742100

**RV 10.6 Vertical-intensive condenser with manifold and cut-off valve for reflux distillation**

The manifold features a condensate cover and an outlet channel which prevent the condensate from coming into contact with the seal.

! Requires RV 10.74 Vapor tube short.

Condenser type	vertical-intensive
Cooling surface	1400 cm <sup>2</sup>
Ident. No.	
RV 10.6 Vertical-intensive condenser with manifold and cut-off valve for reflux distillation	0003744000
RV 10.60 Vertical-intensive condenser with manifold and cut-off valve for reflux distillation, coated	0003744100

**RV 10.74 Vapor tube short NS 29/32**

Made of high quality borosilicate glass. For vertical condensers RV 10.5 and RV 10.6.

Material	borosilicate glass
Ident. No.	
RV 10.74 Vapor tube	0003971700

# Rotary Evaporators | Accessories

## HB 10.1 Shield for heating bath

For optimal protection against splashes of hot liquid.



Material	polycarbonate
Ident. No.	
HB 10.1 Shield for heating bath HB 10	0003641800

## Evaporation flask NS 29/32

The flask, which is made of high quality borosilicate glass, is available in seven different sizes.



Volume (in ml)	50, 100, 250, 500, 1000, 2000, 3000
Material	borosilicate glass
Ident. No.	
RV 10.80 Evaporation flask, 50 ml	0003740100
RV 10.82 Evaporation flask, 250 ml	0003740300
RV 10.83 Evaporation flask, 500 ml	0003740400
RV 10.84 Evaporation flask, 1000 ml	0003740500
RV 10.85 Evaporation flask, 2000 ml	0003740600
RV 10.86 Evaporation flask, 3000 ml	0003740700

## HB 10.2 Protective cover for heating bath

Essential accessory if it is not possible to work in an extractor hood. Protects the user against splashes of hot liquid and in the event of the evaporator flask breaking.



Material	polycarbonate
Ident. No.	
HB 10.2 Protective cover for heating bath HB 10	0003641000

## Distilling spider with distilling sleeves NS 29/32

For simultaneous distillation in 6, 12 or 20 distilling sleeves, included with purchase.



Material	borosilicate glass
Ident. No.	
RV 10.600 Distilling spider, 6 distilling sleeves	0003739400
RV 10.601 Distilling spider, 12 distilling sleeves	0003739500
RV 10.602 Distilling spider, 20 distilling sleeves	0003739600
RV 10.610 Distilling sleeve, 20 ml	0003919400

## Powder flask NS 29/32

Optimizes powder drying applications by avoiding the accumulation of powder on the walls of the flask.



Volume (in ml)	500, 1000, 2000
Material	borosilicate glass
Ident. No.	
RV 10.300 Powder flask, 500 ml	0003738200
RV 10.301 Powder flask, 1000 ml	0003738300
RV 10.302 Powder flask, 2000 ml	0003738400

## Distilling spider with 5 flasks NS 29/32

For simultaneous distillation in 5 evaporation flasks, included with purchase.



Material	borosilicate glass
Ident. No.	
RV 10.606 Distilling spider with 5 flasks, 50 ml	0003740800
RV 10.607 Distilling spider with 5 flasks, 100 ml	0003740900
RV 10.90 Evaporation flask, 50 ml	0003741200
RV 10.91 Evaporation flask, 100 ml	0003741300

## RV 10.500 Foam brake NS 29/32

The rising foam produces bursts in the glass ball extension. This stops foam from entering the receiving flask.



**Note:** when using a 3 liter evaporation flask, RV 10.3000 Extension plate is required.

Material	borosilicate glass
Ident. No.	
RV 10.500 Foam brake	0003739200

## Evaporation cylinder NS 29/32

Makes retrieval of viscous substances easy.



Volume (in ml)	500, 1500
Material	borosilicate glass
Ident. No.	
RV 10.400 Evaporation cylinder, 500 ml	0003738800
RV 10.401 Evaporation cylinder, 1500 ml	0003738900

## RV 10.8001 Seal

New airtight lip-seal from PTFE with a built-in stainless steel spring.



Material	PTFE, stainless steel
Ident. No.	
RV 10.8001 Seal	0003907000

## RV 10.3000 Extension plate

Accessories required when using RV 10.500 Foam brake.

**Note:** Allows the heating bath to be moved 150 mm horizontally. Accessories required when using the RV 10.500 Foam brake and 3 liter evaporation flask.



Dimensions (W x D x H)	200 x 270 x 27 mm
Ident. No.	
RV 10.3000 Extension plate	0003859000

## Receiving flask KS 35/20

The flask, which is made of high quality borosilicate glass, is available in six different sizes, either coated or uncoated.



Volume (in ml)	100, 250, 500, 1000, 2000, 3000
Material	borosilicate glass
Ident. No.	
RV 10.100 Receiving flask, 100 ml	0003742200
RV 10.101 Receiving flask, 250 ml	0003742300
RV 10.102 Receiving flask, 500 ml	0003742400
RV 10.103 Receiving flask, 1000 ml	0003742500
RV 10.104 Receiving flask, 2000 ml	0003742600
RV 10.105 Receiving flask, 3000 ml	0003742700
RV 10.200 Receiving flask, coated 100 ml	0003743200
RV 10.201 Receiving flask, coated 250 ml	0003743300
RV 10.202 Receiving flask, coated 500 ml	0003743400
RV 10.203 Receiving flask, coated, 1000 ml	0003743500
RV 10.204 Receiving flask, coated, 2000 ml	0003743600
RV 10.205 Receiving flask, coated, 3000 ml	0003743700

**Best-in-class  
cooling surface  
1500 cm<sup>2</sup>**



**RV 8** **RV 10 basic** **RV 10 digital** **RV 10 control**

Required accessories for an existing vacuum	RV 8	RV 10 basic	RV 10 digital	RV 10 control
Magnetic valve in-house vacuum system	1)	1)	1)	RV 10.4001
Magnetic valve laboratory vacuum	1)	1)	1)	RV 10.4002
Pump control including magnetic valve	1)	1)	1)	RV 10.4003
Recommended accessories for tap water (faucet) connection				
Choke water valve	–	–	–	RV 10.5001
Filter	–	–	–	RV 10.5002
Pressure regulating valve	RV 10.5003	RV 10.5003	RV 10.5003	RV 10.5003
Supplementary vacuum system				
Vacuum system	LVS 105T – 10ef / SC 920 D400	LVS 105T – 10ef / SC 920 D400	LVS 105T – 10ef / SC 920 D400	N 920 speed control pump
Additional chiller system				
for one rotary evaporator	KV 600 / RC 2 basic	KV 600 / RC 2 basic	KV 600 / RC 2 basic	KV 600 / RC 2 basic
for two rotary evaporators	UC 006	UC 006	UC 006	UC 006

1) no accessories required for vacuum pump connection (vacuum level must be controlled by external vacuum controller).

**Best-in-class  
cooling surface  
1500 cm<sup>2</sup>**

### RV 10.4002 Magnetic valve laboratory vacuum

High quality vacuum valve for an optimum controlled operation. The integrated check valve eliminates external influence on the operating pressure in the vacuum chamber.



! Accessory required for an existing vacuum.

Power	24 V / 6 W
Weight	0.142 kg
Integrated check valve	yes
	Ident. No.
RV 10.4002 Magnetic valve laboratory vacuum	0003880300

### RV 10.5001 Choke water valve

The integrated magnetic valve closes/opens the water circuit during automatic distillation.



! Accessory recommended for tap water connection.

Power	24 V / 6 W
Connection diameter	10 mm
Integrated fine adjustment	yes
Weight	0.234 kg
	Ident. No.
RV 10.5001 Choke water valve	0003902700

### RV 10.5003 Pressure regulating valve

For adjusting the cooling water pressure when connecting to a tap water system.

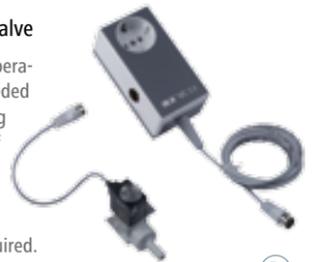


! Accessory recommended for tap water connection.

Mesh thickness	100 µm
Pressure	max. input 25 bar
	Ident. No.
RV 10.5003 Pressure regulating valve	0003907100

### RV 10.4003 Pump control incl. magnetic valve

One rotary evaporator at one pump/tabletop operation. The pump only works when vacuum is needed - leading to a savings of up to 90% of operating time, increased equipment life and reduction of noise. Integrated LED display.



! Accessory required for an existing vacuum. For non EU countries a plug adapter is required.

Power magnetic valve	24 V / 6 W
Power pump control	100 – 240 V, 50/60 Hz
Weight	0.142 kg
	Ident. No.
RV 10.4003 Pump control incl. magnetic valve	0003900200

### RV 10.5002 Filter

To prevent contamination of the water pipes. With removable filter for easy cleaning.



! Accessory recommended for tap water connection.

Mesh thickness	100 µm
Connection diameter	10 mm
Pressure	max. 11 bar
	Ident. No.
RV 10.5002 Filter	0003903800

### RV 10.4001 Magnetic valve in-house vacuum

Industrial vacuum source for many different in-house users; usually fixed pipes.



! Accessory required for an existing vacuum.

Power	24 V / 9 W
Weight	0.142 kg
	Ident. No.
RV 10.4001 Magnetic valve in-house vacuum	0003902600

# Rotary Evaporators | Accessories



## LVS 105 T 10-ef

Compact, dry-running, chemical resistant pump systems, the ideal solution for many applications in chemical laboratories and research.

A B C	
Pumping speed 50/60 Hz	1.2 m <sup>3</sup> / h
Flow rate	20 l / min
Ultimate vacuum	< 2.0 mbar
Operating pressure	1 bar
Connectors for tube	ID 8 mm
Permissible ambient temperature	+10...+40 °C
Weight / Dimensions (W x D x H)	9 kg / 250 x 260 x 435 mm
Motor protection	IP 20
Voltage / Frequency	90 – 240 V / 50/60 Hz
	Ident. No.
LVS 105 T 10-ef	0004067800

## MVP 10 basic

For dry, oil-free applications in the low vacuum range.

Available  
2014



D	
Cylinder	2
Flow rate	13 l / min
Ultimate vacuum	7 mbar
Operating pressure	1 bar
Weight / Dimensions (W x D x H)	11.5 kg / 245 x 320 x 155 mm
Permissible ambient temperature	+10...+40 °C
Motor protection	IP 54
Voltage / Frequency	220 – 240 V / 50/60 Hz
	Ident. No.
MVP 10 basic	0003980000

## KV 600 digital

KV 600 digital is an air-cooled chiller with a small footprint, a large temperature display and a temperature accuracy of ± 1 K.



A B C D	
Temperature range	-20 to 40 °C
Temperature display	digital
Cooling power at 15 °C	0.3 kW
Temperature sensor internal	PT 100
Pump connection	M16 x 1
Refrigerant	R290
Max. flow rate	12 l / min
Bath volume	4 l
Permissible ambient temperature	+5...+40 °C
Weight / Dimensions (W x D x H)	23 kg / 225 x 360 x 380 mm
Voltage / Frequency	230 V / 50/60 Hz
	Ident. No.
KV 600 digital	0003410500

## SC 920 D400 Vacuum pump system

The SC 920 vacuum pump system supports remote control over a portable hand terminal, thus ensuring maximum flexibility in the laboratory



D	
Mains connection	100 – 240 V, 50 – 60 Hz
Power consumption	max. 135 W
Current consumption	max. 1.7 A
Dimensions (W x D x H)	423 x 366 x 294 mm
Weight	15 kg
	Ident. No.
SC 920 D400 Vacuum pump system	0004583600

Available  
2014



## RC 2 basic

Refrigerated circulator designed for precise temperature control and cooling.

A B C D	
Temperature range	-20 to 40 °C
Temperature display	digital
Temperature stability DIN 12876	± 0.5 K
Cooling capacity at 20 °C	350 W
Dimensions (W x D x H)	220 x 450 x 478 mm
Permissible ambient temperature	5 – 40 °C
Motor protection	IP 21
Voltage / Frequency	220 – 240 V / 50/60 Hz
	Ident. No.
RC 2 basic	0004171000

## N 920 speed control pump

Allows high suction speed even in the low-vacuum range.



A B C D	
Max. Flow rate	20 l / min
Ultimate vacuum	2 mbar
Operating pressure	0.5 bar
Connectors for tube	ID 9 mm
Permissible ambient temperature	+5...+40 °C
Weight / Dimensions (W x D x H)	8.6 kg / 324 x 158 x 226 mm
Motor protection	IP 20
Voltage / Frequency	90 – 230 V / 50/60 Hz
	Ident. No.
N 920* (for use with RV 8, RV 10 basic, digital and control)	0003919100
	0004406000

\* Additional external vacuum controller required

## UC 006 Unichiller

Chiller with air-cooled refrigerating unit and circulation pump.

! For connecting 2 rotary evaporators to one chiller.



A B C D	
Temperature range	-20 to 40 °C
Temperature display	digital
Cooling power at 15 °C	0.6 kW
Temperature sensor internal	PT 100
Refrigerant	R290
Max. flow rate	30 l / min
Pump connection	M16 x 1
Min. filling capacity	1.25 l
Permissible ambient temperature	+5...+40 °C
Weight / Dimensions (W x D x H)	37 kg / 227 x 490 x 414 mm
Voltage / Frequency	230 V / 50/60 Hz
	Ident. No.
UC 006 Unichiller	0003919000





## FLEX-ibility with the IKA® RV FLEX Packages

The IKA® FLEX Packages enable the FLEX-ibility of customizing the glassware setup for specific applications.

Please visit  
[www.ika.com/distilling](http://www.ika.com/distilling)



**Step 1**  
 Choose your FLEX base model



**Step 2**  
 Select individual glassware:  
 - condenser  
 - evaporation flask  
 - receiving flask



**Step 3**  
 Configured RV 8 FLEX Package  
 with selected glassware

**RV 8 FLEX Package**  
 RV 8 drive, HB 10 heating bath, clamps for glassware, incl. Woulff bottle.

Ident. No. 0008033400

**RV 10 digital FLEX Package**  
 RV 10 digital drive with HB 10 heating bath, clamps for glassware, incl. Woulff bottle.

Ident. No. 0008040500

**RV 10 control FLEX Package**  
 RV 10 control drive with HB 10 heating bath, clamps for glassware, incl. Woulff bottle, RV 10.4002 Magnetic valve.

Ident. No. 0008038100

**RV 10 control FLEX auto Package**  
 RV 10 control drive with HB 10 heating bath, clamps for glassware, incl. Woulff bottle and N 920 Speed controlled pump.

Ident. No. 0008038200

### labworldsoft®

IKA® laboratory software labworldsoft® is an advanced software for all your laboratory needs. With the help of this software, you can network up to 64 laboratory devices via one PC. All test parameters can be documented ensuring complete automation of your laboratory experiments. Measurements and processes may be run independently. Long waits and processing times are reduced, which increases productivity.



### Comprehensive Worldwide Service!

Our dedicated team of engineers provides comprehensive worldwide technical service. Please feel free to contact your dealers or IKA® directly in case of any service queries. Hotline: In the event of an equipment malfunction or technical questions regarding devices and spare parts: call 00 8000 4524357 (00 8000 IKAHELP)



### IKA® Application Support

Our Application Center spans 400 sqm and offers modern facilities for presenting and testing lab devices and processes. This brings us even closer to our customers and improves our service. Here, prospective buyers and customers can test out processes that involve stirring, shaking, dispersing, grinding, heating, analyzing and distilling. In addition, it also further extends the opportunity to test your own devices and to develop new models.



#### What minimum vacuum can be reached with the RV 10 system (with coated glassware)?

Down to 1 mBar, if all vacuum connections are vacuum tight and the vacuum system is strong enough.

#### Is it better to use a vertical or a diagonal condenser?

For the application this does not matter. Both condensers have the same cooling surface and power.

#### What is the diameter of the hose to refill the evaporating flask with medium in the RV 10 system and what is it made of?

The hose has a diameter of 5 mm and is made of PTFE (Teflon).

#### Is there a warning system when the heating bath HB 10 is still hot?

Yes, "HOT" is blinking as long as the water bath temperature exceeds 60 °C.

#### Is it possible to move the heating bath HB 10 in the RV 10 system?

Yes, it can be moved 50 mm horizontally and can also be used as a stand-alone unit.

#### Which rotary evaporator system is the right one for my application? What accessories are needed?

On [www.ika.com](http://www.ika.com) you can use the RV 10 configurator that guides you through the process of choosing the appropriate system for your application needs.

#### Can I perform a continuous distillation with IKA® rotary evaporator system and 3 l flask?

Yes, even with a 3 liter receiving flask you can do a continuous distillation. Simply use the PTFE tube that comes with the glassware. Use this by opening up the vacuum shut-off valve to refill while under vacuum. The loss of vacuum pressure is little and will be stabilized by the vacuum pump.

#### Is it necessary to measure vapor temperature inside the flask?

No, IKA® rotary evaporators are controlled by measuring the temperature of the cooling water flow.

#### I work with samples that foam easily. How can I prevent foaming over into the cooling coil?

Simply use our RV 10.500 foam brake found in the accessories. This stops foam from entering the cooling coil or the receiving flask.



#### Application Support!

For questions regarding applications and processes, you can call our free hotline number: **00 8000 4522777 (00 8000 IKAAPPS)\***  
E-Mail: [applicationsupport@ika.de](mailto:applicationsupport@ika.de)

\* Monday – Thursday from 8:30 - 16:30  
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