

Испарители роторные CARL ROTH RV 10, Hei-VAP Core, Hei-VAP Expert, Hei-VAP, N ICE

Технические характеристики

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Киргизия (996)312-96-26-47

Rotary evaporators



Rotary evaporators RV 10 series

IKA.

General features of all models:

- **Motorised lift (stroke displacement 140 mm) with adjustable height limit**
- Digital speed display
- Rotates intermittently clockwise and anticlockwise for drying processes (interval cycle for direction reversal is adjustable from 1 to 60 sec)
- Timer function for time lapse controls (1 to 199 min)
- Water/oil heating bath with integrated carry handles
- Heating bath with adjustable safety circuit
- Push-off mechanism to loosen tightly fitting flasks
- Includes Woulff bottle
- Available in two versions: With standard glassware or coated glassware (condenser and receiving flask are coated for shatter protection).

Technical specifications:

Art. No.	PE52.1	PE53.1	PE54.1	PE55.1
Type	RV 10 digital V	RV 10 digital V-C	RV 10 auto V	RV 10 auto V-C
Speed range	20 to 280 rpm			
Operating temperature	Ambient temperature to +180 °C			
Heating output	1300 W			
Setting accuracy	1 K			
Control deviation	±1 K			
Bath volume	4 l			
Heating bath width	330 mm			
Heating bath length	190 mm			
Heating bath height	325 mm			
Adjustable head angle	0–45 °			
Integrated vacuum controller	No		Yes	
Hose connectors	For hoses ID 8 mm (water and vacuum hose)			
L x W x H, total	680 x 410 x 990 mm			
Weight	28 kg			
Mains connection	220–240 V, 50/60 Hz			

RV 10 digital model

- Heating bath with digital temperature display
- Control deviation ±1 K
- Infrared interface for data transfer between the heating bath and drive unit
- RS 232 interface

Delivery incl. heating bath and vertical glassware. With PTFE inlet tube and 1000 ml evaporating flask (NS 29/32) and 1000 ml receiving flask (KS 35/20).

Type	Version	Glassware	Art. No.	Pack Qty.
RV 10 digital V	Vertical cooler	Non-coated	PE52.1	1 unit(s)
RV 10 digital V-C	Vertical cooler	Coated	PE53.1	1 unit(s)

(1) RV 10 auto model

Model with integrated vacuum controller for automatic distillation, for volume-based processes or full drying, depending on the application.

- Integrated solvent library with stored distillation-specific
- Parameters for standard distillations; can be extended by the customer
- Programmable volume-controlled distillation processes
- Colour graphic display shows distillation curves
- Ramp programming (speed/time and vacuum/time)
- Automatic ventilation and switch-off of heating bath after test

Delivery incl. heating bath and vertical glassware. With PTFE inlet tube and 1000 ml evaporating flask (NS 29/32) and 1000 ml receiving flask (KS 35/20). Also with RV 10.4002 magnetic valve lab vacuum (integrated check valve eliminates external influence on the operating pressure of the vacuum chamber). Hose connectors for ID 10 mm hoses.

Type	Version	Glassware	Art. No.	Pack Qty.
RV 10 auto V	Vertical cooler	Non-coated	PE54.1	1 unit(s)
RV 10 auto V-C	Vertical cooler	Coated	PE55.1	1 unit(s)



Rotary evaporators Hei-VAP Core

Heidolph.

- With manual and motorised lifting
- Clear 3.5" digital LCD display for viewing current values and key for showing the set values
- Direct access to rotation and heating bath via separate rotary pressure controller with LED light activity indicator
- Locking function for values in order to prevent unintentional adjustment or overheating
- Residual heat warning at >50 °C
- Standby key stops all functions and, for motorised lift models, moves the evaporating flask out of the heating bath
- All models are available as a space-saving version with a vertical cooler (type G3) or as a normal version with a diagonal cooler (G1)
- XL cooler for higher evaporation rates thanks to improved tightness and expanded cooling surface (standard 1400 cm², XL model 2200 cm²)

Delivery incl. device with heating bath and glassware. The glassware consists of a glass hollow shaft, cooler, inlet tube, 1000 ml evaporating flask (NS 29/32) and 1000 ml receiving flask (S 35/20).



Rotary evaporators

Models with manual lifting

Technical specifications:

Art. No.	KEA4.1	KEA5.1	KEA6.1	KEA7.1	KEA8.1	KEA9.1
Speed range	10 to 280 rpm					
Temperature range	+20 to +210 °C					
Heating output	1300 W					
Setting accuracy	±1 °C					
Control deviation	±1 K					
Bath volume	4,5 l					
Ø Internal	255 mm					
Evaporation rate	at 20/40 °C Acetone: 2.4/4.7 l/h Ethanol: 1.6/3.2 l/h Water: 0.5/1.0 l/h					
L x W x H, total	739 x 477 x 845 mm				739 x 477 x 920 mm	
Mains connection	230 V, 50/60 Hz					

Version	Glassware	Art. No.	Pack Qty.	
Diagonal cooler G1	Non-coated	KEA4.1	1 unit(s)	
Diagonal cooler G1B	Coated	KEA5.1	1 unit(s)	
Vertical cooler G3	Non-coated	KEA6.1	1 unit(s)	
Vertical cooler G3B	Coated	KEA7.1	1 unit(s)	
Vertical cooler G3 XL	Non-coated	KEA8.1	1 unit(s)	
Vertical cooler G3B XL	Coated	KEA9.1	1 unit(s)	

Models with motorised lifting

Technical specifications:

Art. No.	KEC0.1	KEC1.1	KEC2.1	KEC3.1	KEC4.1	KEC5.1
Speed range	10 to 280 rpm					
Temperature range	+20 to +210 °C					
Heating output	1300 W					
Setting accuracy	±1 °C					
Control deviation	±1 K					
Bath volume	4,5 l					
Ø Internal	255 mm					
Evaporation rate	at 20/40 °C Acetone: 2.4/4.7 l/h Ethanol: 1.6/3.2 l/h Water: 0.5/1.0 l/h					
L x W x H, total	739 x 407 x 845 mm				739 x 407 x 920 mm	
Mains connection	230 V, 50/60 Hz					

Version	Glassware	Art. No.	Pack Qty.	
Diagonal cooler G1	Non-coated	KEC0.1	1 unit(s)	
Diagonal cooler G1B	Coated	KEC1.1	1 unit(s)	
Vertical cooler G3	Non-coated	KEC2.1	1 unit(s)	
Vertical cooler G3B	Coated	KEC3.1	1 unit(s)	
Vertical cooler G3 XL	Non-coated	KEC4.1	1 unit(s)	
Vertical cooler G3B XL	Coated	KEC5.1	1 unit(s)	



Rotary evaporators Hei-VAP Expert

Heidolph.

- With manual or motorised lifting
- 5" touch display with clear display of all values (Basic/Advanced modes)
- Timer (max. 99 hrs, 99 mins)
- Limitation of heating temperature
- Multilingual menu with warning message
- Optional display of boiling temperature (if required, please order boiling temperature sensor separately)
- Direct access to rotation and heating bath via separate rotary pressure controller with LED light activity indicator
- Locking function for values in order to prevent unintentional adjustment or overheating
- Residual heat warning at >50 °C
- Standby key stops all functions and, for motorised lift models, moves the evaporating flask out of the heating bath
- All models are available as a space-saving version with a vertical cooler (type G3) or as a normal version with a diagonal cooler (G1)
- XL cooler for higher evaporation rate thanks to improved tightness and expanded cooling area (standard 1400 cm², XL models 2200 cm²)

Delivery incl. device with heating bath and glassware. The glassware consists of a glass hollow shaft, cooler, inlet tube, 1000 ml evaporating flask (NS 29/32) and 1000 ml receiving flask (S 35/20).

Models with manual lifting

Technical specifications:

Art. No.	KHE7.1	KHE8.1	KHE9.1	KHH0.1	KHH1.1	KHH2.1
Speed range	10 to 280 rpm					
Temperature range	+20 to +210 °C					
Heating output	1300 W					
Setting accuracy	±1 °C					
Control deviation	±1 ° K					
Bath volume	4,5 l					
Ø Internal	255 mm					
Evaporation rate	at 20/40 °C: Acetone: 2.4/4.7 l/h Ethanol: 1.6/3.2 l/h Water: 0.5/1.0 l/h					
L x W x H, total	739 x 477 x 845 mm				739 x 477 x 920 mm	
Mains connection	230 V, 50/60 Hz					

Version	Glassware	Art. No.	Pack Qty.	
Diagonal cooler G1	Non-coated	KHE7.1	1 unit(s)	
Vertical cooler G3	Non-coated	KHE9.1	1 unit(s)	
Vertical cooler G3 XL	Non-coated	KHH1.1	1 unit(s)	
Diagonal cooler G1B	Coated	KHE8.1	1 unit(s)	
Vertical cooler G3B	Coated	KHH0.1	1 unit(s)	
Vertical cooler G3B XL	Coated	KHH2.1	1 unit(s)	

Rotary evaporators

Models with motorised lifting

Technical specifications:

Art. No.	KHH3.1	KHH4.1	KHH5.1	KHH6.1	KHH7.1	KHH8.1
Speed range	10 to 280 rpm					
Temperature range	+20 to +210 °C					
Heating output	1300 W					
Setting accuracy	±1 °C					
Control deviation	±1 °K					
Bath volume	4,5 l					
Ø Internal	255 mm					
Evaporation rate	at 20/40 °C: Acetone: 2.4/4.7 l/h Ethanol: 1.6/3.2 l/h Water: 0.5/1.0 l/h					
L x W x H, total	739 x 407 x 845 mm				739 x 407 x 920 mm	
Mains connection	230 V, 50/60 Hz					

Version	Glassware	Art. No.	Pack Qty.	
Diagonal cooler G1	Non-coated	KHH3.1	1 unit(s)	
Vertical cooler G3	Non-coated	KHH5.1	1 unit(s)	
Vertical cooler G3 XL	Non-coated	KHH7.1	1 unit(s)	
Diagonal cooler G1B	Coated	KHH4.1	1 unit(s)	
Vertical cooler G3B	Coated	KHH6.1	1 unit(s)	
Vertical cooler G3B XL	Coated	KHH8.1	1 unit(s)	



Accessories for Hei-VAP series rotary evaporator

Heidolph.

(1) Protective screen

For fastening to the edge of a bath

Designation	Art. No.	Pack Qty.	
Protective screen	LH20.1	1 unit(s)	

(2) Protective hood

Designation	Art. No.	Pack Qty.	
Protective hood	LH21.1	1 unit(s)	

(3) Boiling temperature sensor

For digital display of steam temperature.

For Hei-VAP Advantage HL/ML only.

Designation	Art. No.	Pack Qty.	
Boiling temperature sensor	X818.1	1 unit(s)	



N°ICE ice bath

TECHNE.

Space-saving sample chiller with general-purpose heat treatment bath for various vial types and sizes. Ceramic beads are used instead of ice as a chilling medium. This allows unlimited cooling times and avoids the problem of floating samples in thawing ice as well as contamination by coolants. As a time saving option, the ice box with beads can be pre-incubated in the fridge and simply inserted into the unit as and when required.

- Peltier cooling technology
- Max. capacity approx. 60 x 1.5 ml reaction vials
- Ceramic beads are autoclavable and suitable for multiple use

Technical specifications:

Art. No.	AKN5.1
Type	N°ICE
Operating temperature	0.0 to 40.0 °C
Accuracy	±1 K
Resolution	0,1 °C
Medium cooling rate	from 20 to 4 °C in approx. 60 mins from 20 to 0 °C in approx. 3–4 hours
W x D x H, interior	155 x 108 x 70 mm
W x D x H	190 x 240 x 225 mm
Weight	4.5 kg
Mains connection	100–230 V, 50/60 Hz

Delivery incl. aluminium heat treatment bath and 1.7 kg ceramic beads (Ø 1.5–2.5 mm).

Type	Art. No.	Pack Qty.	
N°ICE	AKN5.1	1 unit(s)	

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