



# **KNF RC 900 ROTARY EVAPORATOR. INSPIRINGLY EASY TO USE.**

EQUIPOS Y UTENSILIOS LOKI LTDA.

Tels 2232-5049 / 2232-7607

Email; [ventas@loki.co.cr](mailto:ventas@loki.co.cr)



## KNF RC 900. BENEFIT FROM EXPERT KNOWLEDGE.

**Under the spotlight at KNF:** What aspects are really key to rotary evaporation in everyday lab practice? What is needed to guarantee simple, economical and reliable processes day in day out?

These are the questions we used as a guide in developing and implementing the new RC 900. We became involved in daily lab work. We asked lab technicians what they wished for, enlisted experts to perform tests and incorporated their suggestions.

The result was the RC 900: designed to impress thanks to its distinct handling advantages, clever functional details and well thought out safety features.

**So why has KNF decided to introduce a rotary evaporator?** For years we have offered the SC 920, a vacuum pump system, a much sought-after laboratory device that works side by side with distilling apparatus. Simple handling, a small footprint and whisper quiet operation are the KNF strengths that set the SC 920 apart. Its success has encouraged us to broaden our systems approach to create a perfectly balanced package comprising a rotary evaporator, vacuum pump system and chiller.

Curious? Then discover the RC 900 and its advantages today!



The RC 900 rotary evaporator can be teamed with the SC 920 vacuum pump system and the C 900 chiller to create a precisely tuned system.



# DISTILLATION MADE SIMPLE. CLEAR ADVANTAGES FOR USE.

**Designed for everyday use**, and tailored to practical needs. The RC 900 makes rotary evaporation far simpler and safer. The high-performance system is impressive thanks to its intuitive handling and valuable functions that provide outstanding support for everyday lab work. Reliability, operational safety and precision come as standard with the RC 900. Safety features add to the advantages that make the system so suitable and indispensable for precise distillation. Moreover the RC 900 operates extremely quietly.

## ■ Sleek design, minimum footprint

The RC 900 takes up very little space and offers maximum ease of use.

## ■ Whisper quiet for a pleasant working environment

The lift and rotation of the RC 900 are virtually silent.

## ■ Versatile use, simple operation

The system offers central remote control for all functions, and operation via touchscreen and control knob.

Relevant parameters for distillation and for the heating bath are easily set by **touching and turning**.

Cordless heating bath with pour spout for **safe emptying without spilling**.

**Cooling condenser is straightforward to detach** by turning the clamping nut. The cooling condenser is also extremely easy to clean.



reddot award 2014  
winner

■ **Tube guide inside the tower** – tidy and safe, with tubes no longer an obstruction.

■ **Uncomplicated flask exchange** – flask simply locks into place – and can be done with one hand.

■ Convenient, fully adjustable **flask angle** set via a control knob.



“The RC 900 is a high-performance system that is easy to use. Its clever details and automated functions not only significantly ease everyday use, they also guarantee an efficient and safe operation.

Dr. Alexander Scherer, Chair of Organic Chemistry,  
Friedrich-Alexander-Universität Erlangen-Nürnberg, Germany



The remote control shows all relevant parameter settings in the primary operating level.

## KNF RC 900. EASE OF USE, DESIGNED TO INSPIRE YOU EVERY DAY.

### FLASK EXCHANGE | FAST AND SAFE

Flasks can be exchanged quickly and easily:

- Push flask into retainer until the fastening clip is heard locking into place – that's all there is to it.

- To release, lift the fastening clip and remove the flask.

- Safety catch prevents the flask slipping accidentally during removal.



### FLASK ANGLE | FULLY ADJUSTABLE AND PRECISE

Different flask sizes require adjustable pivoting to ensure the flask is properly immersed in the water or oil bath.

- With the RC 900, the optimum position can be set with ease using a fully adjustable control knob.



### COOLING CONDENSER | HIGH-PERFORMANCE AND EASY TO CLEAN

The cooling condenser performance is impressive thanks to its optimized coil design.

- Condensate collection is fast and efficient.

- Simply unscrew a clamping nut to detach the condenser for cleaning.

- Large opening of the condenser greatly facilitates cleaning.





■ The optional protective cover is hinged, making for easy flask accessibility.

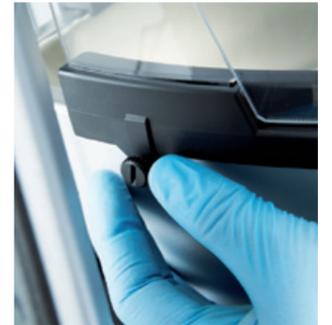
## KNF RC 900. ELABORATED SAFETY FEATURES.

### PROTECTIVE COVER | COMPREHENSIVE SAFETY WHEN NEEDED

The safety guard completely covers the heating bath. It is therefore the accessory of choice when ultimate safety is required.

■ Easy access to flask thanks to hinged designed.

■ Simply place it on the rim of the heating bath, tighten three locking screws, and the protective cover is fixed.



### HEATING BATH | SAFE FOR THE USER AND THE PROCESS

The cordless heating bath offers safety and ease of use.

■ Mounted on the guide rail, the horizontal position of the heating bath can easily be adjusted to suit different flask sizes.

■ Vertical double wall for the safe transportation of filled heating baths without spillages.

■ Fill guide makes it easier to feed in the specific quantities of water or oil required for each flask size.

■ Pour spout for safe emptying.

■ Light indicates heating bath operation.



### REMOTE CONTROL | CENTRAL AND SECURE

The remote control allows the RC 900 to be operated safely even from outside closed fume hoods.

■ Ergonomically advantageous placement for glare-free input of parameters.

■ All functions including heating bath can be centrally controlled.



# KNF RC 900. TECHNICAL DATA AND ACCESSORIES.

## TECHNICAL DATA

### Heating bath

Heating bath temperature [°C]	20 – 180
-------------------------------	----------

### Coolant supply parameters (chilled condenser)

Permissible pressure [bar]	3
Permissible temperature	-15 °C – +20 °C
Coolant-coated surface [cm <sup>2</sup> ]	1230

### Parameters of evaporation flask

Size of evaporation flask	50 – 4000 ml
Rotational speed of evaporation flask [1/min]	25 – 250
Length of stroke [mm]	150
Lifting speed [mm/s]	ca. 38

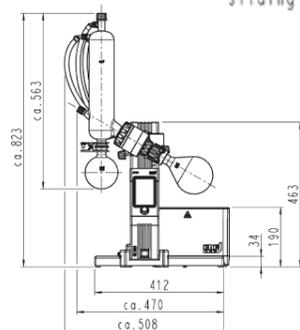
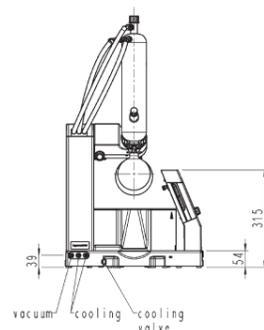
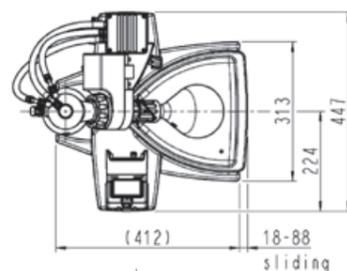
### RC 900

Dimensions W x D x H [mm]:	
- without glass (footprint)	431 x 447 x 464
- with glass	487 x 447 x 823

### Remote control unit

Wireless range	approx. 50 m without obstacles
----------------	--------------------------------

## DIMENSIONS



## ACCESSORIES

Description		ID
Protective cover for heating bath		127204
Refill valve		300639
Coolant valve		300853
Collection flask (implosion protected)	100 ml	300557
	250 ml	300558
	500 ml	128158
	1000 ml	113939
	2000 ml	113938
Evaporation flask NS29/32	50 ml	113079
	100 ml	113080
	250 ml	113081
	500 ml	113082
	1000 ml	128159
	2000 ml	113083
	3000 ml	113084
Evaporation flask NS24/40	50 ml	300561
	100 ml	300562
	250 ml	300563
	500 ml	300564
	1000 ml	128893
	2000 ml	300565
	3000 ml	300566
Vapor tube NS29/32	500 ml	300588
	1000 ml	300589
Vapor tube NS24/40	500 ml	300591
	1000 ml	300592
	2000 ml	300593
Foam brake NS29/32		301114
Foam brake NS24/40		301115

A detailed breakdown of the technical data is available at [www.knflab.de](http://www.knflab.de).

# RC 900, SC 920 AND C 900. SUCCESSFULLY COMBINED.

Joining forces to create a precisely balanced system, we present the RC 900 rotary evaporator combined with the SC 920 vacuum pump system and the C 900 chiller, which together form an efficient, economical system.



## SC 920 VACUUM PUMP SYSTEM

- Flow rate 1.2 m<sup>3</sup>/h, ultimate vacuum 2 mbar abs.
- Automatic, precise recognition and control of boiling point.
- Pleasantly quiet operation.

## C 900 CHILLER

- Operating temperature range -10 to +40 °C, cooling capacity 250 W
- Compact design, small footprint.
- Splash-proof membrane keypad.
- Easy to fill.

KNF offers a wide range of high-quality pumps and systems for moving both liquids and gases. Whether they are used as built-in OEM pumps, in process applications or in laboratories, KNF products offer high performance, precision, and reliability. We offer all of our customers expert and personal advice. Contact us today to discuss how we can assist you with your next project!

The KNF production sites worldwide:



KNF Neuberger GmbH, Germany



KNF Micro AG, Switzerland



KNF Flodos AG, Switzerland



KNF Neuberger S.A., France



KNF Neuberger, Inc. USA

## KNF. GLOBALLY ACTIVE.

### Germany

**KNF Neuberger GmbH**  
D-79112 Freiburg  
Tel. +49 7664 5909 0  
info@knflab.de  
www.knflab.de

### Benelux Netherlands

**KNF Verder B.V.**  
NL-3451 GG Vleuten  
Tel. +31 30 677 92 40  
info@knf-verder.nl  
www.knf-verder.nl

### Benelux Belgium and Luxemburg

**KNF Verder N.V.**  
B-2630 Aartselaar  
Tel. +32 3 871 96 24  
info@knf.be  
www.knf.be

### China

**KNF Neuberger Trading**  
(Shanghai) Co., Ltd.  
Shanghai 201203  
Tel. +86 21 6859 6566  
info@knf.com.cn  
www.knf.com.cn

### France, Morocco, Tunisia, Algeria

**KNF Neuberger S.A.**  
F-68128 Village-Neuf  
Tel. +33 389 70 35 00  
info@knf.fr  
www.knf.fr

### UK

**KNF Neuberger U.K., Ltd.**  
Witney, Oxfordshire OX28 4FA  
Tel. +44 1993 77 83 73  
info@knf.co.uk  
www.knf.co.uk

### India

**KNF Pumps + Systems (India) Pvt. Ltd.**  
Hinjewadi, Pune 411 057  
Tel. +91 20 640 13 923  
+91 20 640 08 923  
info@knfpumps.in  
www.knfpumps.in

### Italy

**KNF ITALIA S.r.l.**  
I-20132 Milano  
Tel. +39 02 272 03 860  
info@knf.it  
www.knf.it

### Japan

**KNF Japan Co.Ltd.**  
Tokyo 104-0033  
Tel. +81 3 3551 7931  
info@knf.co.jp  
www.knf.co.jp

### Korea

**KNF Neuberger Ltd.**  
130-090, Seoul  
Tel. +82 2 959 0255  
knf@knfkorea.com  
www.knfkorea.com

### Sweden, Finland, Denmark, Norway

**KNF Neuberger AB**  
SE-10073 Stockholm  
Tel. +46 8 744 51 13  
info@knf.se  
www.knf.se

### Switzerland

Sales  
**KNF Neuberger AG**  
CH-8362 Balterswil  
Tel. +41 71 973 99 30  
knf@knf.ch  
www.knf.ch

### Switzerland

Production Liquid Pumps  
**KNF FLODOS AG**  
CH-6210 Sursee  
Tel. +41 41 925 00 25  
info@knf-flodos.ch  
www.knf-flodos.ch

### Switzerland

Production Micro Pumps  
**KNF Micro AG**  
CH-6260 Reiden  
Tel. +41 62 787 88 88  
info@knf-micro.ch  
www.knf-micro.ch

### Taiwan

**KNF Neuberger Ltd.**  
Taipei City, 11490  
Tel. +886 2 2794 1011  
knftwn@knftwn.com.tw  
www.knftwn.com.tw

### USA, Canada, South America

**KNF Neuberger, Inc.**  
Trenton, New Jersey 08691-1810  
Tel. +1 609 890 8600  
knfusa@knf.com  
www.knfusa.com

### Latin America

Tel. +1 609 649 1010  
gb@knf.com

