

Hei-VAP Core

Plain research.  
No compromises.



# Results without compromise – quality without compromise.

**Achieving the correct results often requires countless repetition. As a researcher, you place the highest demands on yourself, your work and your results. It's our mission to deliver equipment that is equally uncompromising.**

The Hei-VAP Core impresses with its superior ease of use at the highest quality level. Excellent workmanship and premium-quality materials meet carefully considered features specially developed for the needs of our users. The result is a new generation of rotary evaporators – a simple to operate, highly robust premium device that immensely simplifies your daily work.

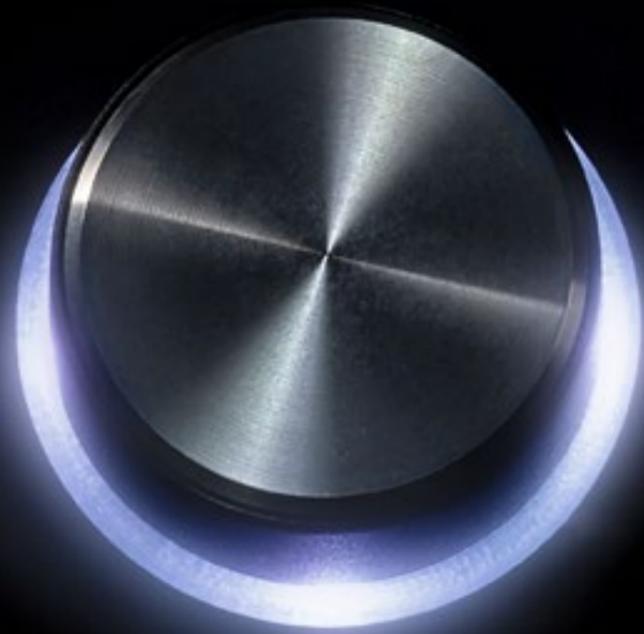
Uncompromising.  
Hei-VAP Core

MADE IN  
**GERMANY**



# Near. Far. At a glance.

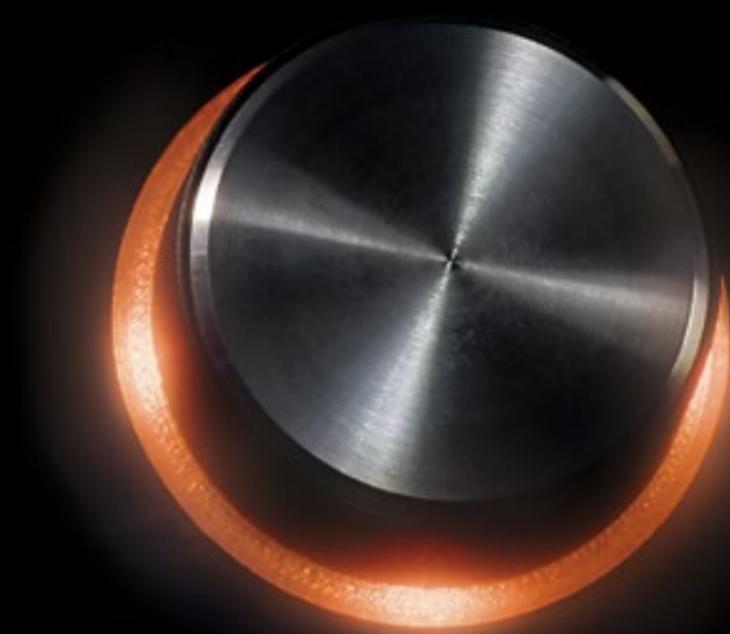
The intuitive LED ring light system displays which features are currently active. The separate operating knob not only facilitates visual process control, but direct rotation and heating temperature adjustments too. This allows to immediately interfere the evaporation process.



Turn the operating knob on the left to simply and precisely adjust rotation speed. A brief push down on the operating knob starts or stops the rotation. Activate the lock feature to prevent inadvertent adjustments. The white light indicates rotation activity.

Speed range

**10 – 280 rpm**



Setting accuracy

**±1 °C**

Regulate the heating bath temperature with the operating knob on the right. This can also be locked to a specific value, thereby improving user safety and protecting the substance against unwanted adjustments. When the LED ring is continuously orange, the heating function is active. When the function is deactivated and in standby mode, it blinks to warn against the danger of burning from residual heat in the heating bath (when above 50 °C).

# Everything in hand.

Like all Hei-VAP rotary evaporators, the Hei-VAP Core comes with a heating bath with ergonomic handles, pour spout, and an IP 67 protection class cable coupling to protect against short-circuits and corrosion.



- The ergonomically optimised heating bath handles sit securely in your hand
- Their angled design allows you to empty the bath without adjusting your grip
- A cover additionally prevents burning from the heating bath rim
- The integrated pour spout ensures changing the bath fluid is done safely
- The robust metal connection to the device base facilitates varying distances to the heating bath up to 200 mm. For flexible positioning of different evaporating flasks (up to 5 l)



Heating bath temperature

**210 °C**

Heating capacity

**1,300 W**

Heating bath volume

**4.5 l**

## High-class protected.

The use of proven, glass-bead strengthened materials makes the intuitive control panel impressive thanks to its excellent dimensional, chemical and thermal stability. To protect the electronics, it is splash water protected in accordance with IP 42. The optional extension cable even allows you to place the control panel outside closed laboratory hoods.

Protection class

**IP 42**

The universal heating bath possesses many safety-relevant features. The isolating double wall prevents heat loss and burns. The power socket meets the high standards of protection class IP 67 to systematically exclude the possibility of corrosion, short-circuits and associated ignition sources.

Protection class

**IP 67**





## Focused. On the essentials.

The Hei-VAP Core deliberately forgoes complex menus and automatic programming. Instead it focuses on simple operation, direct access to parameters and visual activity displays – without compromising quality and ease of use.

Corrosion-free, sealed, die-cast housing with condensate-repellent varnish and maintenance-free motor guarantee continuous operation and a long lifespan.

Thanks to the high seal tightness of the vacuum system, you achieve shorter process times and save on energy costs. The glass condensers are equipped with greaseless connections to avoid contamination and glass breakage. The highly resistant PTFE vacuum seals, as well as all direct and indirect media-touching parts, are FDA-compliant and designed for long lifespans.

# Smart in the details.

The patented Easy-Clip flask clamp makes inserting and changing evaporating flasks significantly easier. Tightly sitting ground joints can be easily separated by an innovative mechanism to prevent glass breakage – without the need of any additional equipment that can be lost.

Unlike any others: The patented clamping sleeve alleviates any glass on metal connections and allows to remove and clean the vapor tube easily. Stuck vapor tubes are a thing of the past.



## Superior ease of use

thanks to the new ventilation cap and ground-free condensers that prevent stuck glass and greasing.

## High capacity in a small space

The intelligent design of the XL condenser facilitates 57% more condensing surface at the same design height as previous standard vertical condensers with ground joints. You achieve up to 40% higher evaporation rates with the same space.

Available as G3 XL and G3B XL.

## Always included:

practical unlocking for adjusting the tilt angle and height stop to limit immersion depth.



# Various requirements, various opportunities.

The right configuration for any application: hand or motor lift, diagonal condenser, vertical condenser or cooling with dry ice, coated or uncoated. The Hei-VAP Core is available in numerous configurations. We are happy to advise you personally on your individual configuration.

## Choose a model with ...



### Hand lift

The cost-effective alternative with intuitive one-handed operation.

Or

### Motor lift

Use the control panel's lift buttons to easily and precisely adjust height. Additionally, in the event of a power outage or pressing the standby button, the lift automatically rises from the heating bath to protect your sample from thermal damage.

## And combine it as desired with the ...

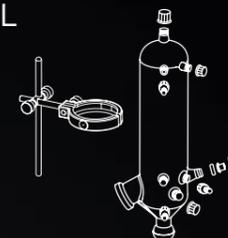


### Glassware set G1

Diagonal condenser for all standard distillations

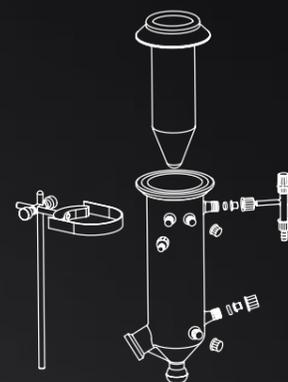
### Glassware set G3/G3 XL

Vertical condenser for all distillations; the space-saving model, also available as XL condenser



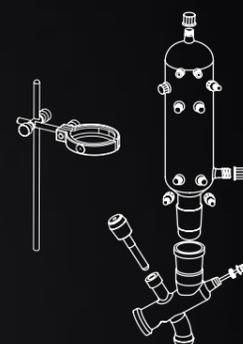
### Glassware set G5

For low-boiling solvents; dry ice condenser



### Glassware set G6

Vertical condenser; centerpiece with valve for reflux distillations



### Included in scope of delivery

Each glass set includes a 1-l receiving flask, 1-l evaporating flask, a vapour tube, a ventilation cap and a flask clamp.



## On the safe side.

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The optional protection hood closes horizontally and is made of robust, highly transparent polycarbonate. It protects users from glass shards and spraying liquid in the unlikely event of an implosion – without limiting access to flasks or the heating bath.



## Better choose a system.

A rotary evaporator can only perform as good as the peripherals allow for. That's why we not only focus on developing excellent Hei-VAP models, but also strive for optimal performance from their accessories by working closely with expert partners.



### Hei-VAC Control

Precisely and efficiently regulate vacuum with the digital vacuum controller. With a visual display of the complete vacuum process and a ventilation button to prevent foaming. For attaching to the condensors' holding rod or as a standalone device alongside the evaporator.



### Rotavac Vacuum Pumps

The Rotavac pump series impresses with its excellent stability and reliability. Choose between several models and decide on a cost-effective, valve-regulated pump or a rpm-regulated model that can achieve up to 95% energy cost savings and up to 30% shorter process times.



### Hei-CHILL Recirculating Chillers

The Hei-CHILL series impresses with its reliability, intuitive operation, simple handling and a large cooling reservoir to compensate performance peaks during the evaporation process. Available for benchtop rotary evaporators in cooling capacities of 250, 350, 600 and 1,200 W.

### Woulff bottle

With screw thread for quick and simple emptying and cleaning.

# Absolute versatility.

Discover our large accessory portfolio of evaporating flasks, receiving flasks and other glass items. Whether it's distillation, powder drying or several different samples at once.

Heidolph has got the right equipment for any evaporation process and for any volume.



## Evaporating flasks

8 different sizes  
from 50–5,000 ml



## Spider

with 6, 12 or 20 distilling  
sleeves, each 20 ml



## Receiving flasks

6 different sizes  
from 100–3,000 ml



## Spider

with 5 flasks,  
50 or 100 ml



## Powder flasks

500, 1,000 or 2,000 ml



## Evaporating cylinder

500 or 1,500 ml



## Foam brake

includes flask clip





## Uncompromising by your side.

The road to the goal is often unknown and rocky in research. Nevertheless, each day you overcome these hurdles while always looking forward. We want to honor your potential, persistence and determination by providing you with tools on which you can rely.

Our contribution to this journey is helping you to maintain focus by providing robust and simple-to-use devices that, like you, know no compromise regarding quality, endurance and reliability.

“Research made easy” means that we sustain you on the road to discovery: a secure footing on a rocky path.

**3** YEAR  
WARRANTY

MADE IN  
**GERMANY**

Discover our rotary evaporators at  
[www.heidolph.com](http://www.heidolph.com)

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