❯ Hei-VAP Precision

Maximum capabilities due to integrated vacuum control

The Hei-VAP Precision provides you with the maximum range of parameters, including but not limited to, reproducible applications and fully automated processes. Even solutions with different boiling points can be identified and distilled

- Available in hand lift or motor lift configurations

- Experience the advantages of our large 4.3" color graphic display which features all parameters, integrated vacuum controller and includes programs for automated distillations

- Make your life easier by utilizing the integrated software support which leads you through the capabilities of the evaporator

- For data management Hei-VAP Precision models feature a USB interface

- Save time by configuring the unit - all connected devices will be recognized by the evaporator, which eliminates the need to configure the unit manually

- Now you can manage even the most demanding applications easily and prevent foaming, excessive bubbling or bumping

- Save time with your individualized pre-programmed parameter settings for your 30 most common applications used on a daily basis by saving them in a "Favorites" section

- Each ramp offers 20 separate steps for demanding applications

- Apply an individual name to those ramps to avoid a mix-up

- Experience the advantages of the automatic process timer which turns off your evaporator at a pre-programmed time by raising the flask on motor lift models and releasing vacuum

- Control your process individually by pre-programming vacuum gradients

- Hei-VAP Precision models feature a built-in vacuum controller as a standard

Hei-VAP Precision ML/G3
P/N 564-01300-00

For increased safety all bath temperature adjustments can be limited
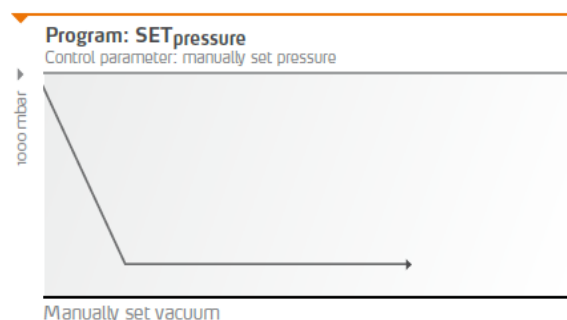
Even from a distance you will be able to monitor the numbers on the display easily

Large color graphic display for all parameters and automated programs

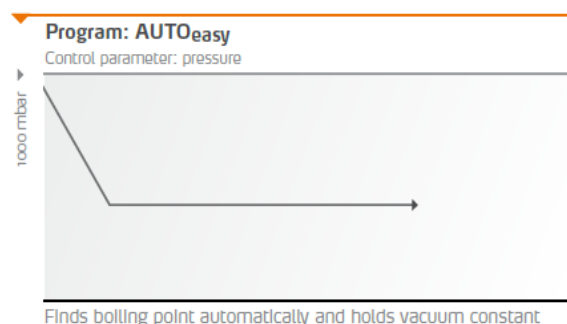## Reduce your process times significantly via automated distillation programs

For automated distillation choose between these three programm opportunities:

SET_{pressure}

Program: SETpressure
Control parameter: manually set pressure

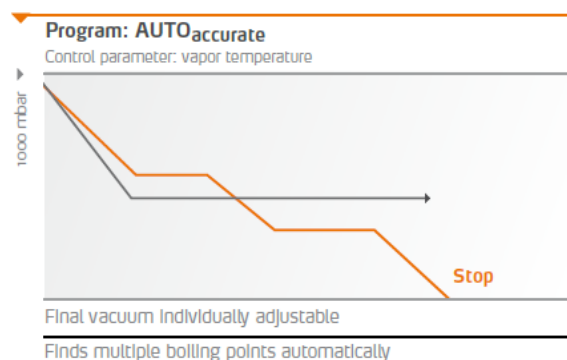Manually set vacuum

Program for solvent separations

This program holds a pre-set vacuum constant. During the evacuation you have the full flexibility to choose another level of vacuum by the press of a button. Optionally, the process can be predefined via programmable ramps

AUTO_{easy}

Program: AUTOeasy
Control parameter: pressure

Finds boiling point automatically and holds vacuum constant

Supports the automatic pressure control for solvent separations

The pressure level for the first boiling point is found automatically. This program can be used with all Heidolph glassware assemblies and does not require any accessories

AUTO_{accurate}

Program: AUTOaccurate
Control parameter: vapor temperature

Stop

Final vacuum individually adjustable
Finds multiple boiling points automatically

Supports very precise automatic pressure control for solvent separations

This program works similar to AUTO$_{easy}$ but in addition is able to identify multiple boiling points automatically by reducing vacuum accordingly. Also the AUTO$_{accurate}$ program delivers the finest and most precise vacuum control. To take advantage of this program, the optional AUTO$_{accurate}$-sensor is required. This program cannot be used on Heidolph G1 and G5 glassware assemblies. Leading parameter of this program is the vapor temperature

Model	Hei-VAP Precision hand lift (HL)		Hei-VAP Precision motor lift (ML)	
Glassware	standard	coated	standard	coated
G1 Diagonal	563-01100-00	563-01110-00	564-01100-00	564-01110-00
G3 Vertical	563-01300-00	563-01310-00	564-01300-00	564-01310-00
G3 XL Vertical	563-01305-00	563-01315-00	564-01305-00	564-01315-00
G5 Dry Ice Condenser	563-01500-00	563-01510-00	564-01500-00	564-01510-00
G6 Vertical for Reflux	563-01600-00	563-01610-00	564-01600-00	564-01610-00

❯ Glassware

- Glassware set includes one 1,000-ml evaporating flask and one 1,000-ml receiving flask

- All glassware sets are also available with transparent plastic coating for added safety

- Evaporating flasks and vapor tubes which come with a standard NS 29/32 joint size are also available with NS 24/29 ground joints

- Also available upon request: glassware sets for Soxhlet extraction and descending condenser system

- All glassware sets feature GL 10 thread; the inlet tube can be connected with a threaded fitting

- Glassware sets G3 and G6 allow for the automated distillation program AUTO$_{accurate}$ on Hei-VAP Precision models
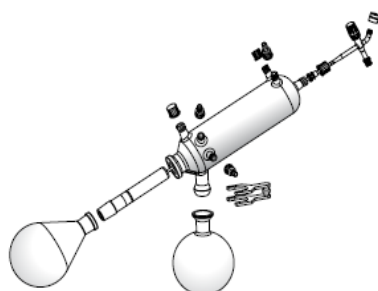
XL Condenser

For maximum evaporation performance

The new XL condenser with industry-leading condensing surface of 2,200 cm² achieve up to 40 % higher evaporation rates. Available in G3 XL and G9* XL versions
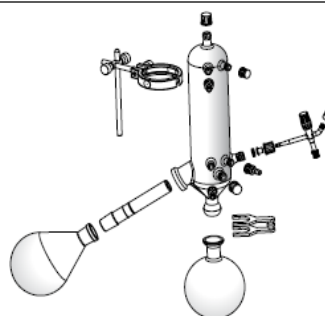

Glassware set G1

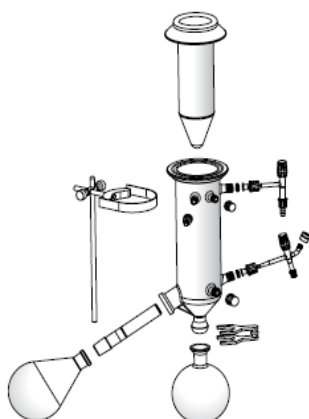- Diagonal condenser for all standard distillations; the option with the **most affordable price**

Glassware set G3

- Vertical condenser for all standard destillations; the option with the smallest space requirements, also available as XL version
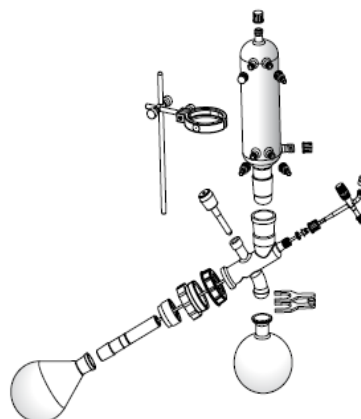

Glassware set G5

- **Dry Ice** condenser for low-boiling solvents

Glassware set G6

- Vertical condenser; centerpiece with valve **for reflux distillation**

* For use with distimatic bench-top