

## Hei-VAP Industrial B with glassware A

P/N: 518-23100-00



- Universal heating bath accommodates water or other bath fluids allowing for temperature settings up to 180 °C
- Receiver cassettes protect against threat of glassware breakage
- Comes as standard with integrated refill water system, spillover prevention and a release valve at the bottom
- Optional Base Cart is fully-maneuverable with removable panels for storage of vacuum pump, glassware, solvents or accessories
- Certification according to GMP available for this model: validation for installation (IQ) and operating qualification (OQ)
- Large touch screen control panel with illuminated displays for all process parameters, programmable ramps

Features identical specifications as the Hei-VAP Industrial, but for limited budgets and comes without these safety aspects:

- Metal frame and safety glass guard hood covering the bath
- High-impact PMMA door covering the glassware assembly
- High-impact PMMA latching doors which cover the receiving flask cassettes

Hei-VAP Industrial B model with glassware A - For that tend to splash and foam

This glassware assembly includes one descending condenser, one expansion vessel, one 20-l evaporating flask, one 10-l receiving flask

## Hei-VAP Industrial B - Technical Data

|  |  |
|--|--|
| Rotation speed indicator                                 | digital  |
| Permissible ambient conditions                           | 5 – 31 °C at 80 % rel. humidity<br>32 – 40 °C decreasing lineary up to max 50% rel. humidity |
| Protection class (EN 60529)                              | IP 20  |
| Lift   | motor lift   |
| Height adjustment speed                                  | 45 mm/s  |
| Height adjustment  | 180 mm   |
| Drive  | EC-motor   |
| Heating capacity   | 4,000 W  |
| Temp. range heating bath                                 | 20 – 180 °C  |
| Bath temperature setting                                 | digital  |
| Material heating bath                                    | stainless steel V4A  |
| Diameter heating bath                                    | 400 mm   |
| Volume heating bath                                      | 18 l (H <sub>2</sub> O) / 14 l (oil)   |
| Display vapor temperature                                | yes  |
| Required accessories for display vapor temperature       | temperature sensor   |
| Integrated vacuum controller                             | yes  |
| Timer  | yes  |
| Vacuum program SETpressure                               | yes  |
| Vacuum program AUTOaccurate requires AUTOaccurate sensor | yes  |
| Programmable ramps                                       | yes  |
| Supply Power   | 4,600 W  |
| Weight without glassware assembly                        | approx. 120 kg   |
| Display  | 7" Touchpanel  |
| Rotation speed range                                     | 6 – 160 rpm  |

|   |   |
|---|---|
| Temperature measurement accuracy          | $\pm 1\text{ }^{\circ}\text{C}$                               |
| Overheat cut-off protection               | yes   |
| Automatic heating bath control            | micro processor   |
| Level regulation of water bath            | automatically due to level sensor and refill function         |
| Indicating range vapor temperature sensor | 0 – 200 $^{\circ}\text{C}$ (accuracy 0.1 $^{\circ}\text{C}$ ) |
| Dimensions (w/d/h)                        | 970 x 690 x 1600 mm (2120 mm incl. Base cart)                 |
| Max. condensing surface                   | 1.2 m <sup>2</sup>  |