

# Hei-VAP Ultimate - modelo con elevador motorizado y juego de vidrio G3 XL vertical

## Technical datasheet



|                                                                                         |                                                                                                                                |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Dimensions (W × H × D)</b>                                                           | Variant with motor driven lift & glassware G3: 739 × 887 × 477 mm; Variant with manual lift & glassware G3: 739 × 887 × 532 mm |
| <b>Weight</b>                                                                           | approx. 15 kg, without glassware                                                                                               |
| <b>Drive</b>                                                                            | EC motor                                                                                                                       |
| <b>Speed range</b>                                                                      | 10 – 280 rpm                                                                                                                   |
| <b>Heating power</b>                                                                    | 1300 W                                                                                                                         |
| <b>Acoustic pressure</b>                                                                | < 85 (dB(A)) (in accordance with IEC 61010)                                                                                    |
| <b>Rated voltage</b>                                                                    | 230 V (50/60 Hz) or 115 V (50/60 Hz)                                                                                           |
| <b>Connection</b>                                                                       | L+N+PE                                                                                                                         |
| <b>Protection Class</b>                                                                 | Device IP20; Control panel IP42; Control-Box IP42; Connection cable heating bath IP67; I (IEC 61140)                           |
| <b>Overvoltage category</b>                                                             | II                                                                                                                             |
| <b>Degree of pollution</b>                                                              | 2                                                                                                                              |
| <b>Power input</b>                                                                      | 1,400 W max.                                                                                                                   |
| <b>Operating temperature</b>                                                            | 5 °C – 31 °C at up to 80 % rel. humidity   32 °C – 40 °C at up to 50 % rel. humidity (linearly reducing)                       |
| <b>Installation altitude</b>                                                            | up to 2,000 m asl                                                                                                              |
| <b>Stroke flask lift</b>                                                                | 155 mm                                                                                                                         |
| <b>Lifting speed flask lift</b>                                                         | 55 mm/s                                                                                                                        |
| <b>Evaporation rates (L/h) <math>\Delta T^*</math> 40 °C (for continuous operation)</b> | Toluene 8,5   Acetone 5,8   Ethanol 3,5   Water 1,2                                                                            |
| <b>Maximum cooling surface</b>                                                          | 0.22 m <sup>2</sup> (depending on glass set)                                                                                   |

|                                            |                                                                                                          |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Heating bath</b>                        | Inner Ø: 253 mm, outer Ø: 291 mm   Material: V4A steel (1.4404) X2CrNiMo 17-12-2   Volume: 6 l           |
| <b>Temperature range heating bath</b>      | 20 – 100 °C H <sub>2</sub> O / 20 – 210 °C oil                                                           |
| <b>Overtemperature protection</b>          | Cut-off at 5 °C deviation from the set temperature                                                       |
| <b>Overheat protection</b>                 | Threshold value 250 °C                                                                                   |
| <b>Control</b>                             | electronic                                                                                               |
| <b>Control accuracy</b>                    | ±1 °C                                                                                                    |
| <b>Storage conditions (recommendation)</b> | 5 °C – 31 °C at up to 80 % rel. humidity   32 °C – 40 °C at up to 50 % rel. humidity (linearly reducing) |