

# Vacuum Controller V-850/855



The Vacuum Controller V-850 and V-855 can be universally used for the display, adjustment and control of vacuum. The integrated aeration valve and the precision pressure sensor is resistant to chemicals making the Vacuum Controller a compact unit suitable for numerous applications in the Lab. The novel speed control feature when used with the Vacuum Pump V-700 or V-710 allows for hysteresis-free vacuum control with quiet operation.

## The following advantages distinguish this Vacuum Controller:

- Easy operation with control knob, large graphic display screen
- Intuitive menu guidance, selection of 6 languages
- Solvent database for convenient setting of distillation conditions
- Timer function for process termination after prespecified time
- LabVac function for control of laboratory vacuum systems

## The Vacuum Controller V-855 offers the additional features:

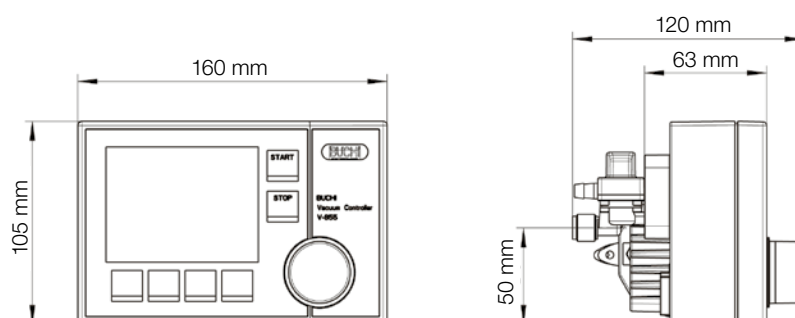
- Gradient and repetition function for gentle distillation meeting high requirements
- EasyVac function: automatic evaporation based on vapor pressure detection
- Gentle Autodistillation through detection of the distillation front in the condenser for varying solvents and mixtures



| Solvent library    |                     |
|--------------------|---------------------|
| Solvent:           |                     |
| Methylene chloride | <chem>CH2Cl2</chem> |
| Bath temperature:  | 60°C                |
| Boiling point:     | 40°C                |
| Pressure:          | 1013mbar            |
| Cooling water max  | 20°C                |
| ESC                | Accept              |

|                           |                                                                                                                       |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Measuring range           | 1400–0 mbar (hPa), 1050-1 Torr                                                                                        |
| Control range             | 1100–1 mbar (hPa), 825-1 Torr                                                                                         |
| Measuring principle       | Capacitive, absolute pressure measurement independent of gas type/sensor of aluminium oxid-ceramic                    |
| Accuracy of measurement   | ± 2 mbar (± 1 digit) following alignment at constant temperature                                                      |
| Vacuum connection         | GL 14                                                                                                                 |
| Thermal response          | 0.07 mbar/K <sup>-1</sup>                                                                                             |
| Ambient temperature range | +10 °C to +40 °C                                                                                                      |
| Power consumption         | 10 W                                                                                                                  |
| Interfaces                | USB (data transmission), RS 232/RS 485 (communication), remote control, cooling water valve, Switch Box, vacuum valve |
| Power supply              | 30 VDC*                                                                                                               |
| Weight                    | 540 g                                                                                                                 |
| Approvals                 |                                     |

\*connection Rotavapor R-210/215, Vacuum Pump V-700/710 or power pack 85–264 V



#### Order information:

Scope of delivery: Vacuum Controller, support, communication cable and operation manual

|                                                                            | <b>V-850</b> | <b>V-855</b> |
|----------------------------------------------------------------------------|--------------|--------------|
| Vacuum Controller cpl. for Rotavapor R-210/215 and Vacuum Pump V-700/V-710 | 47299        | 47298        |
| Vacuum Controller cpl. for Rotavapor R-200/205                             | 47297        | 47296        |
| Vacuum Controller cpl. for Rotavapor R-220                                 | 47295        | 47294        |
| Vacuum Controller cpl. for Rotavapor R-250                                 | 47293        | 47292        |
| Vacuum Controller with power pack (Stand alone)                            | 47231        | 47232        |

#### Accessories:

|                                                  |       |
|--------------------------------------------------|-------|
| Remote control unit RC-81                        | 47230 |
| Valve unit 850 cpl.                              | 47160 |
| Vacuum valve 24 V 2,4 mm (R-210/R-215)           | 31353 |
| Vacuum valve 24 V 4 mm (R-220)                   | 31354 |
| Vacuum valve 24 V 4 mm (R-250)                   | 31355 |
| Cooling water valve                              | 31356 |
| Set cable and holder for R-210/215 and V-700/710 | 47280 |

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