

# Vacuum Controller V-850/855



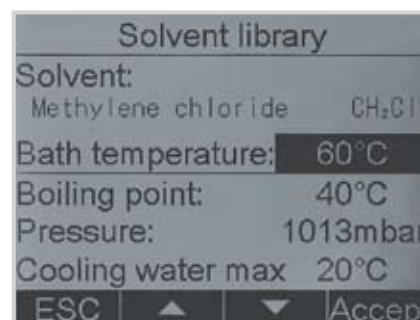
The Vacuum Controller V-850 and V-855 can be universally used for the display, adjustment and control of vacuum. The integrated aeration valve and the precision pressure sensor is resistant to chemicals making the Vacuum Controller a compact unit suitable for numerous applications in the Lab. The novel 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

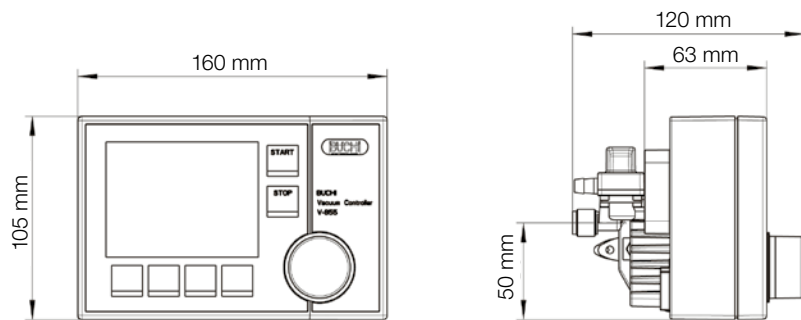
## The Vacuum Controller V-855 offers the additional features:

- 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



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

Vacuum Controller cpl. for Rotavapor R-210/215 and Vacuum Pump V-700/V-710	<b>V-850</b>	<b>V-855</b>
	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

BÜCHI Labortechnik AG  
Postfach  
9230 Flawil 1  
Schweiz  
T +41 71 394 63 63  
F +41 71 394 65 65  
buchi@buchi.com  
www.buchi.com

BÜCHI Labortechnik GmbH  
Postfach 10 03 51  
45003 Essen  
Deutschland  
Freecall 0800 414 0414  
T +49 201 747 490  
F +49 201 237 082  
deutschland@buchi.com  
www.buechigmbh.de

BÜCHI Labortechnik GmbH  
Branch Office Netherlands  
Postbus 142  
3340 AC Hendrik-Ido-Ambacht  
The Netherlands  
T +31 78 684 94 29  
F +31 78 684 94 30  
netherlands@buchi.com  
www.buchi.nl

BÜCHI Italia s.r.l.  
Centro Direzionale, Milano Fiori  
Pal. A-4, Strada 4  
20090 Assago (MI)  
Italia  
T +39 02 824 50 11  
F +39 02 57 51 28 55  
italia@buchi.com  
www.buchi.it

BUCHI (THAILAND) Ltd.  
ASEAN Competence Center  
300 Phaholyothin Road  
Samsennai, Phayathai  
Bangkok 10400  
Thailand  
T +66 2 278 54 95  
F +66 2 279 05 48  
bacc@buchi.com  
www.buchi.com

BUCHI SMP  
Services Private Ltd.  
201, Magnum Opus  
Shantinagar Industrial Area  
Vakola, Santacruz (East)  
Mumbai 400 055,  
India  
T +91 22 66 98 94 50 / 51  
F +91 22 66 98 94 52  
smplisp@vsnl.com  
www.buchi.com

BUCHI Corporation  
19 Lukens Drive, Suite 400  
New Castle  
Delaware 19720  
USA  
T +1 302 652 3000  
F +1 302 652 8777  
Toll Free: +1 877 692 8244  
us-sales@buchi.com  
www.mybuchi.com

BUCHI Hong Kong Ltd.  
1810 Fortress Tower  
250 King's Road  
North Point, Hong Kong  
China  
T +852 2389 2772  
F +852 2389 2774  
china@buchi.com  
www.buchi.com

BUCHI Shanghai Trading LLC  
21/F Shanghai Industrial  
Investment Building  
18 Caoxi Bei Road  
200030 Shanghai  
China  
T +86 21 6468 1888  
F +86 21 6428 3890  
china@buchi.com  
www.buchi.com

BUCHI UK Ltd  
5 Whitegate Business Centre  
Jardine Way  
(off) Broadway  
Chadderton  
Oldham OL9 9QL  
United Kingdom  
T +44 161 633 1000  
F +44 161 633 1007  
uk@buchi.com  
www.buchi.co.uk

BUCHI Sarl  
5, rue du Pont des Halles  
Z.A. du Delta  
94656 Rungis Cedex  
France  
T +33 1 56 70 62 50  
F +33 1 46 86 00 31  
france@buchi.com  
www.buchi.fr

Nihon BUCHI K.K.  
3F IMON Bldg.,  
2-7-17 Ikenohata, Taito-ku,  
Tokyo 110-0008  
Japan  
T +81 3 3821 4777  
F +81 3 3821 4555  
nihon@buchi.com  
www.nihon-buchi.co.jp

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