

1 BASIC CHARACTERISTICS OF THE DEVICE

1.1 INTENDED USE

3.2.2. BTL-VACII - vakuuminis prietaisas skirtas vakuuminių elektrodų naudojimui elektroterapiniams prietaisams elektroterapijai atlikti

3.2.2. The **BTL-Vac II** vacuum unit is intended for easy attachment of vacuum electrodes of electrotherapy devices to patient's body to perform electrotherapy.

Electrotherapy is a non-invasive therapeutic method based on electrical current flow through the human tissues. The electric current is applied with the use of electrodes directly through the patient's skin. The use of electrotherapy is accepted in the field of rehabilitation for acute and chronic pain management, treatment of neuromuscular dysfunctions, range of joint mobility improvement, acute and chronic oedema reduction and peripheral blood flow increase.

1.2 USER PROFILE

The device shall be operated by medically educated personnel (physician, physiotherapist). The users shall be familiar with all safety requirements, operating procedures and maintenance instructions.

1.3 OPERATING ENVIRONMENT

The device is intended solely for professional use. The device is designed for indoor use only, not for use in a location where explosion or water intrusion hazards are present and in dusty or humid environment.

1.4 PATIENT PROFILE

The use of the device is not limited by age or weight of the patient. The patient must not show any signs of the conditions defined in the Chapter **Contraindications**. Before the application it is necessary to take the patient's medical history and make a thorough examination to determine whether or not the application of electrotherapy is suitable for the patient.

1.5 CHARACTERISTICS OF THE DEVICE

For the **BTL-Vac II** vacuum unit it is easy to set the vacuum degree, which ensures careful as well as reliable attachment of the electrodes on various types of patients and on various places of the body. Vacuum unit works both in continuous and pulse modes, which supports the overall effect of the performed therapy. The pulse modes perform mechanical massage together with electrotherapy, which improves metabolism and blood circulation in the tissue.

The vacuum unit can be used both for one-channel and two-channel electrotherapy. On the control panel it can be easily switched between the use of the vacuum electrodes and of the plate electrodes without the need to reconnect the cables.

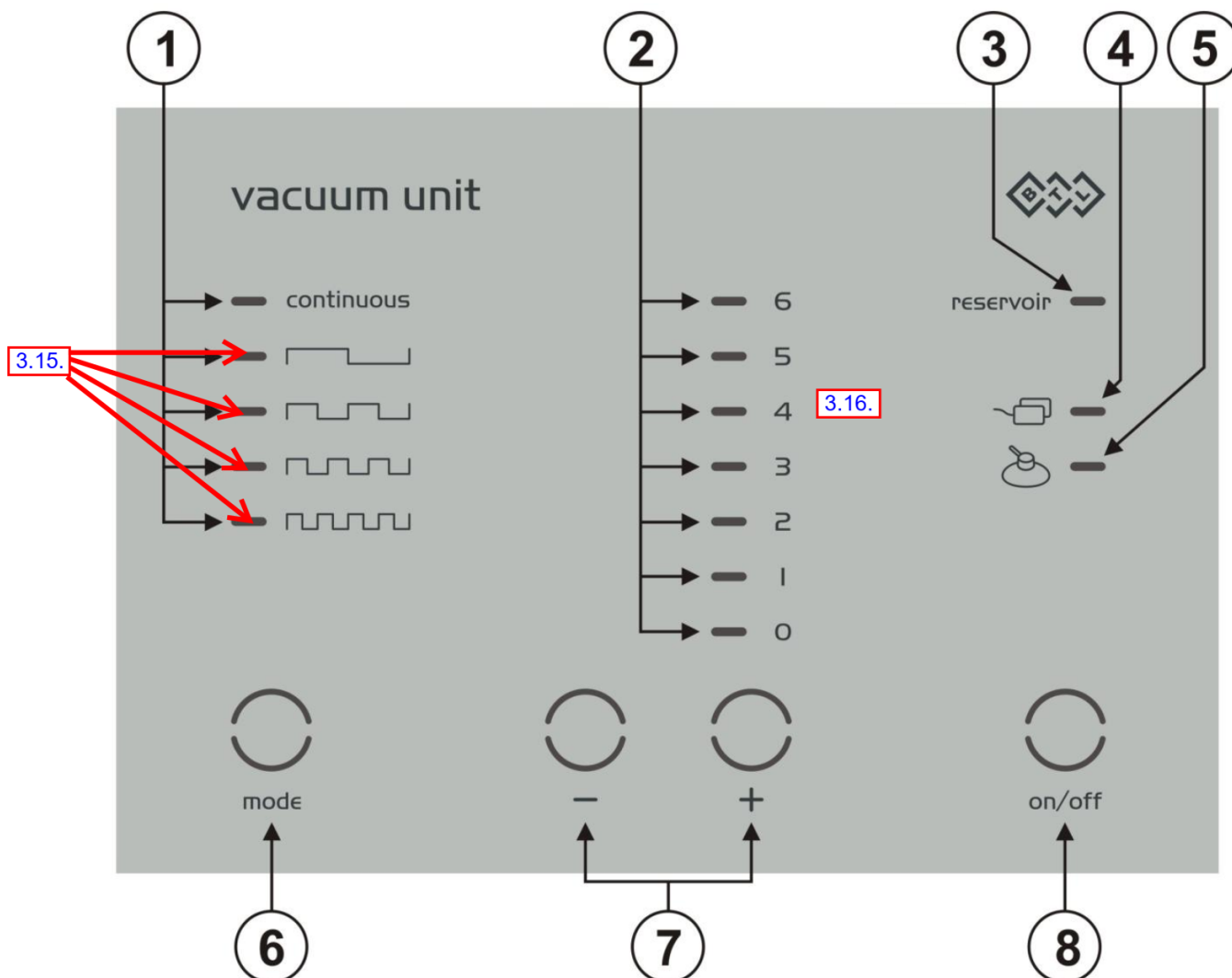
Three sizes of vacuum electrodes for all types of applications can be supplied with the device, including sponges that provide optimum passage of the electric current into the tissue.

The device is distinguished by very quiet running and easy operation. It automatically checks the quantity of fluid that accumulates in the reservoir during the operation (as a result of the suction of moistened sponges) and signals the necessity of its emptying. The reservoir is placed inside the device and can be emptied easily and quickly using the draining hose with a tap.

The vacuum unit can be installed in trolley designed for *BTL-4000 Smart/Premium* and *BTL-5000 Series* devices.

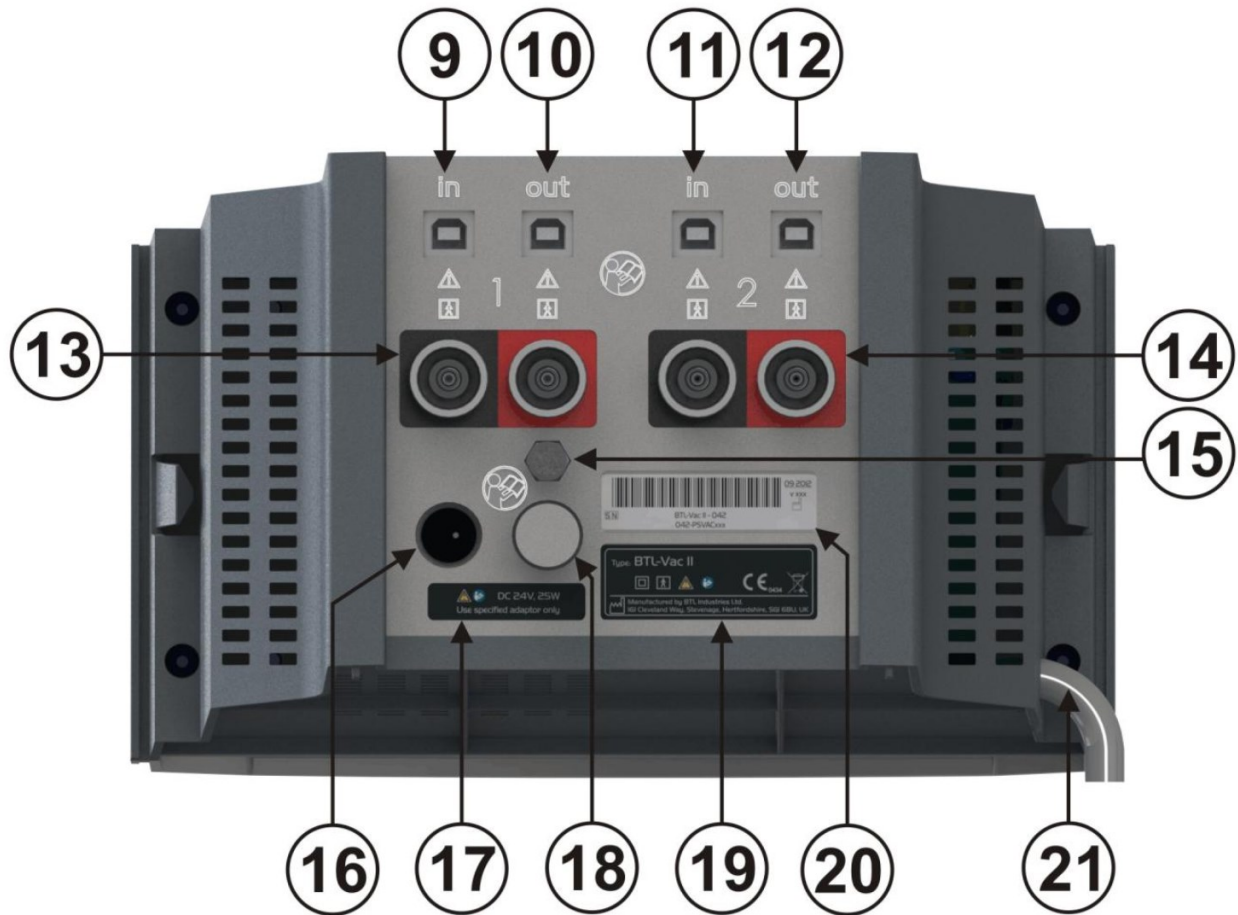
5 OPERATING INSTRUCTIONS

5.1 FRONT CONTROL PANEL



- | | | | |
|----------------|---|---|---|
| 3.14. ir 3.15. | 1 | Indicators of continuous or pulse modes | 3.14. ir 3.15. Nuolatinio ir pulsinių režimų indikacija |
| 3.16. | 2 | Indicators marked by 0 – 6 indicating set vacuum level | 3.16. Vakuomo lygio indikacija nuo 0 iki 6 |
| 3.17. | 3 | Indicator reservoir indicating the necessity to empty the reservoir | 3.17. Vandens lygio indikatorius, pranešantis, kad reikia ištuštinti rezervuarą |
| | 4 | Indicator signalling output to the plate electrodes (at the vacuum level 0) | |
| | 5 | Indicator signalling the output to the vacuum electrodes (at the vacuum levels 1 – 6) | |
| | 6 | Button mode for the selection of the continuous or pulse modes | |
| | 7 | Buttons (+) and (–) for change of the vacuum level | |
| | 8 | Button on/off for switch the device on/off (signalled by the blue backlight) | |

5.2 REAR PANEL



- 9 Input connector **in** for the connection of channel 1 of the electrotherapy device
- 10 Output connector **out** for the connection of the plate electrodes of channel 1
- 11 Input connector **in** for the connection of channel 2 of the electrotherapy device
- 12 Output connector **out** for the connection of the plate electrodes of channel 2

- 3.13. 13 Output connectors for the connection of the vacuum electrodes of channel 1 (black cathode (-), red anode (+))
- 14 Output connectors for the connection of the vacuum electrodes of channel 2 (black cathode (-), red anode (+))

- 15 Aeration filter
- 16 Connector of the power supply (only for the use of the adaptor according to **Technical Parameters**)
- 17 Power supply label
- 18 Outlet filter
- 19 Type label of the device
- 20 Manufacturing label of the device containing the serial number
- 21 Reservoir draining hose

3.13.

13. Pirmo kanalo jungtis vakumo elektrodams
14. Antro kanalo jungtis vakuumo elektrodams