Prismaflo® IIS: Quick User Guide

Description

The Prismaflo IIS blood warmer is an accessory device for use with the Gambro control units using Prismaflex system sets.

The Prismaflo IIS blood warmer is used to warm the return blood flow.

1. Attachment Device: Attaches the Prismaflo IIS Blood Warmer to the holder which is mounted on the backside of the Prismaflex control unit

2. Control Panel: Control buttons and indicators

3. Flexible Heating Sleeve Transfers heat from the internal heating wire to the medium to be warmed via the inserted blood return line

4. Power Supply Cord: Supplies electricity from the socket to the control unit

5. Connection Cable Heating Sleeve: Connection between control unit and changeable heating sleeve

6. Adaptor of Heating Sleeve: Connection between heating sleeve and cable

Control panel

1. "Standby" LED: Turns on automatically when the device is in "Standby" mode.

2. "Standby" Button: Press to switch from "Standby" mode to "On" mode.

3. "Start" LED: Flashes when the device is in "On" mode (heating not yet started). Permanently illuminates when heating ("Start" Button is pressed)

4. "Start" Button: Press to start heating, when the device is in "On" mode or "Alarm" mode

5. "Alarm" LED: Illuminates during an alarm (audio alarm beeps automatically if an alarm condition exists).

6. "Set" Button: Press to view actual set temperature. Press repeatedly to select temperature (while in "On" & "Heating" mode).

7. Temperature display: Indicates the current temperature of the heating sleeve

8. "Test" Button Press to switch to "Test" mode

"On" mode control panel

"On" mode: Warmer is turned on

Actions: Press the "Standby" Button to switch the device from "Standby" mode to "On" mode.

Characteristics:

• The LED "Standby" turns off.

• The device conducts a self-test. All segments of the display and all LEDs are flashing. The acoustic alarm signal beeps once to confirm that the control unit works properly.

• The "Start" LED flashes and the display flashes the set temperature for approximately 3 seconds.

• After that the current temperature of the heating sleeve is displayed.

• If current temperature is below 18°C (64.4 °F), the display indicates L.

• If current temperature is above 48°C (118.4 °F), the display indicates H.

"Heating" mode control panel

"Heating" mode: Warmer is started

The device can be started 3 seconds after being plugged in.

Actions: Press the "Start" Button to switch the device from "On" to "Heating" mode to begin heating of the heating sleeve

Characteristics:

• "Start" LED turns on.

• A self-test is performed. During this test the excessive temperature and cable break alarms are activated once to check the function of the cut offs.

• Temperature regulation is activated.

• The display shows the current temperature of the heating sleeve.

• If current temperature is below 18°C (64.4 °F), the display indicates L.

• If current temperature is above 48°C (118.4 °F), the display indicates H.

"On" or "Heating" mode control panel

"On" or "Heating" mode: Increasing/Decreasing the Set Temperature

The set temperature can be checked at any time by pressing the "Set" Button.

Actions: Press the "Set" Button while the control unit is turned on ("On" mode) or started ("Heating" mode).

While the display is flashing, you can select any set temperature between 33.0°C and 43.0°C in 1°C increments by repeatedly pressing the Button "Set".

When the set temperature is 43.0°C, the selection starts again at 33.0°C if you press the "Set" Button one more time.

Characteristics:
- The set temperature is displayed and flashes for approximately 3 seconds (e.g. 41.0°C).
- After the selection has been made the display will continue to flash the set temperature for approximately 3 seconds then revert to current temperature.
- After changing the set temperature, the audio alarm will beep once to confirm the new set temperature.
- When the control unit is in Heating Mode, temperature regulation is activated with the new set temperature.
- The set temperature is retained in memory even after power is removed.

Operating the Prismaflo IIS blood warmer

1. Plug the main plug of the Prismaflo IIS blood warmer into a socket (LED "Standby" turns on to show that the control unit is in "Standby" mode).

2. Connect the heating sleeve to the Prismaflo IIS blood warmer according figures below.

3. Press the Button "Standby" to switch the Prismaflo IIS blood warmer to "On" mode.

4. Check the audible and visual indicators and the display: All segments of the display and all LEDs are flashing with the audio alarm providing a single beep to confirm that the control unit is working properly. The "Start" LED flashes and the temperature display shows the actual set temperature flashing for about 3 seconds, then the current temperature of the heating sleeve is indicated.

5. Press the "Set" Button to select another set temperature if needed.
6. Press the "Start" Button twice to switch the Prismaflo IIS blood warmer to Heating Mode ("Start" LED is on permanently).

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7. Follow the online instructions of the Gambro control unit. With Prismaflex system, move to next step when reaching "Prepare and Connect Solutions" screen.

8. Align the groove of the Prismaflo IIS heating sleeve in an upward position, making sure the sleeve is not twisted.

9. Place the end of the Prismaflex Set blood return line (blue strip) to the end of the heating sleeve approximately 4 to 6 cm from the blue Luer Lock connector.

10. With the thumb, insert the Prismaflex Set blood return line into the sleeve up to the Gambro control unit cabinet.

11. Put the heating sleeve of the Prismaflo IIS blood warmer into the support hooks for the heating sleeve with a kink-free inlet of the blood return line.

12. Continue with online instructions of the Gambro control unit until the patient is connected.

Installation

Patient at the right side of Gambro control unit.

If the patient is positioned at the right side of the Gambro control unit then guide the heating profile sleeve directly from the right support of the heating profile sleeve back to the patient.

Installation

Patient at the left side of Gambro control unit.

If the patient is positioned at the left side of the Gambro control unit, the heating sleeve is guided in front of the machine from the right support of the heating sleeve to the left support and then back to the patient (A, B).

Manufactured by

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