

CELVIVO

STRESS-FREE 3D™

Hypoxia Installation Guide

Hypoxia Module Installation

If you have purchased the hypoxia module with your new ClinoStar, it is a good idea to install this module before you install the ClinoStar.

Before You start:

Please make sure that you have the correct prerequisites and all the right hypoxia components before you start.

The module, accessories and installation leaflet are shipped in a foam lined box containing:

Installation prerequisites

- ClinoStar 2
- N₂ gas supply.
- Max 12 bar – min 5 bar for supply pressure regulator.
- Male NPT ¼” threaded connector on supply side
- Thread to be sealed with PTFE tape or leak proofing sealant.

Contents

1. Hypoxia module with integrated USB cable and N2 supply line
2. Pressure regulator. Fixed pressure 5 bar. Female ¼”
3. Seal-foam. Adhesive backing.
4. Installation aiding tool for Module
5. Installation aiding tool for Seal-foam
6. Installation leaflet (not pictured)



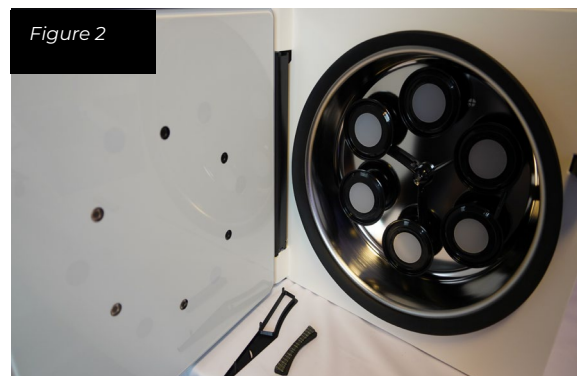
Installing Hypoxia in the ClinoStar

Install your ClinoStar using the guide below and watch the video guide scanning the QR-code:



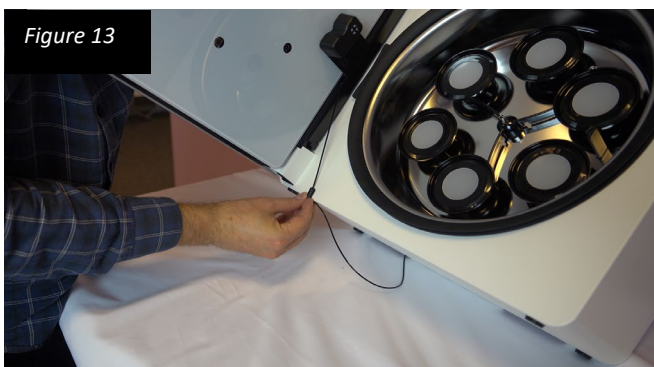
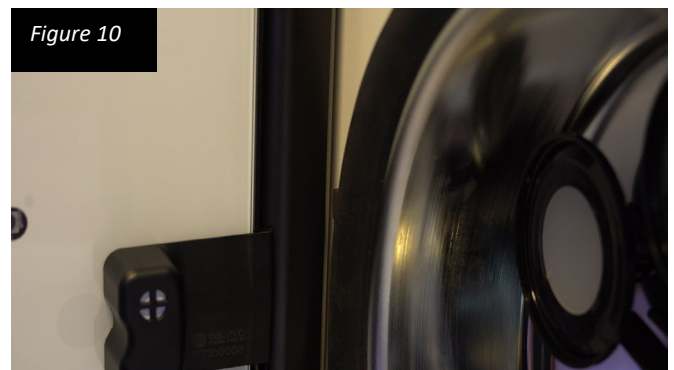
1. Mounting the Foam-seal

1. Open the door of the ClinoStar and remove the incubator gasket by pulling it gently outwards (Figure 1).
2. Take out the foam-seal and the corresponding alignment tool from the shipping box (Figure 2).
3. Place the alignment tool on the front of the open CS as shown (Figure 3).
4. Prepare the foam-seal by removing the orange release paper from the back.
5. Place the foam-sealing into the handle of the alignment tool and press firmly against the CS (Figure 4).
6. Carefully remove the alignment tool taking care not to damage the foam-seal. It should now look like in figure 5.
7. Reinstall the gasket, starting at the foam-seal. The lip of the foam-seal must be forced outwards to ease the gasket slip underneath (Figure 6)



2. Installing the Hypoxia Module

- From the shipping box, take out the Hypoxia module and the corresponding alignment tool (Figure 7).
- Prepare the Hypoxia module by removing the red release paper on the back (cannot be seen in the picture, red).
- Place the alignment tool as shown in figure 8.
- Keep the module with an angle away from the glass pane (so that it does not stick to the glass). With the alignment tool in vertical position and against the side of the glass pane, bring the module up underneath so that it touches the alignment tool (figure 9).
- When aligned, turn the module towards the glass and press firmly for 5 seconds to attach it (figure 10).
- Untangle the cable and remove the release paper on the pieces of tape which are used to hold the cable in its final position. Attach the cable at the points of adhesive tape (Figure 11).
- Route the cable along frame of the door to the lower USB-port on the right-hand side (Figure 12).
- Rock the ClinoStar onto its back corners (don't use the door to lift) and place the alignment tool under the front of the ClinoStar to provide easier access.
- Untangle the gas supply line from the module and pass it underneath, to the back side of the ClinoStar.
- Remove the release paper on the inside of the corner component positioned on the gas supply line.
- Place the corner component on the lower front edge of the ClinoStar to keep the gas supply line in place – press firmly from front and bottom for 5 seconds (Figure 13).
- The completed set up should look like in figure 14:



3. Installing the nitrogen supply.

- Take the brass pressure regulator out of the shipping box.
- Screw the pressure regulator onto the flask regulator (or other supply). Secure a leak free connection by using PTFE tape or sealing compound.
- Set the final outlet pressure to be between 5 and 12 bars.
- Insert the Module supply line into the Push-in fitting of the supplied pressure regulator.
- Open the N2 supply valve of your flask (or similar).

Check for leaks with a 10% solution of SDS or similar.

If leaks are found, dismantle, clean, and repeat the nitrogen installation.

If no leaks are found, you are ready to go.

Warranty/disclaimer: This equipment is for research use only. Materials produced by the use of this equipment must not be used for diagnosis or treatment in any type or form.

For additional product or technical information visit www.celvivo.com or consult CelVivo Aps at info@celvivo.com or +45 70 228 228.

