

The SHEL LAB *BacBASIC* Quick Start Guide

This SHEL LAB Product is Manufactured by Sheldon Manufacturing Inc.

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Gas Connections
(back of unit - top right)



Data Plate Containing Serial
Number (back - top right)

User Interface Control and Display
(Detailed on next page)



Main Power and Power
Cord Inlet (back of unit -
top left)



Arm Ports

Pass-through Box

Overview of the Main Features Built Into Your New *BacBasic*

Key Accessories Shipped with Your *BacBASIC* Anaerobic Chamber



Arm Port Sleeves



Arm Port Sleeve Plugs

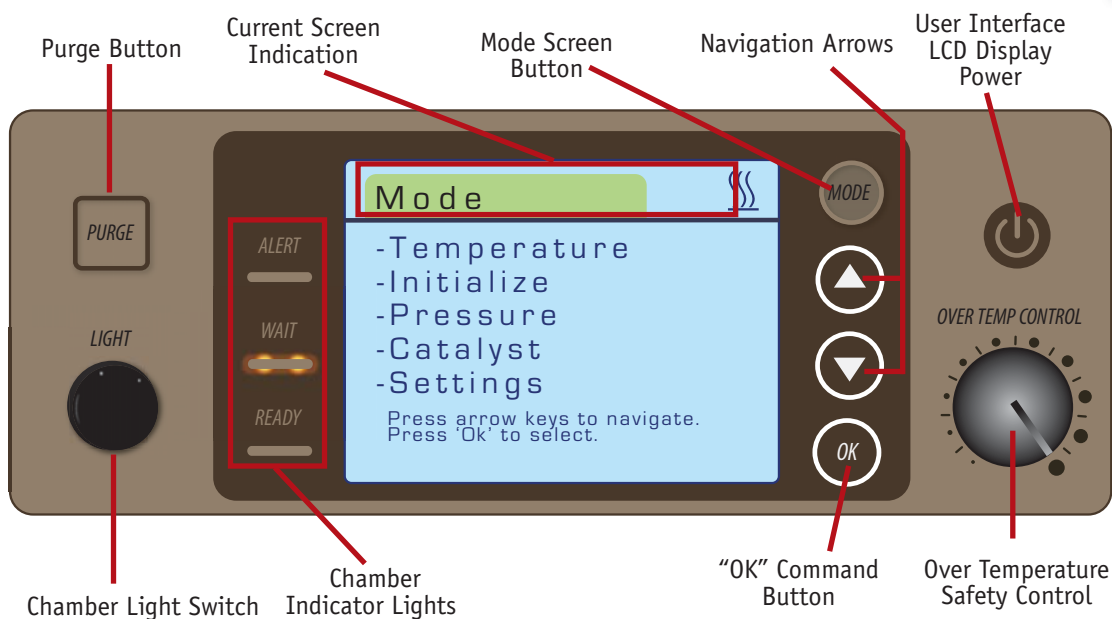


Velcro Sleeve Straps



Catalyst
Basket

Anatox
Basket



NOTE: Perform the following steps before powering the unit on. If you have any questions at any point during the quick start process, please call customer service (800)322-4897.

Setting Up Your *BacBASiC*

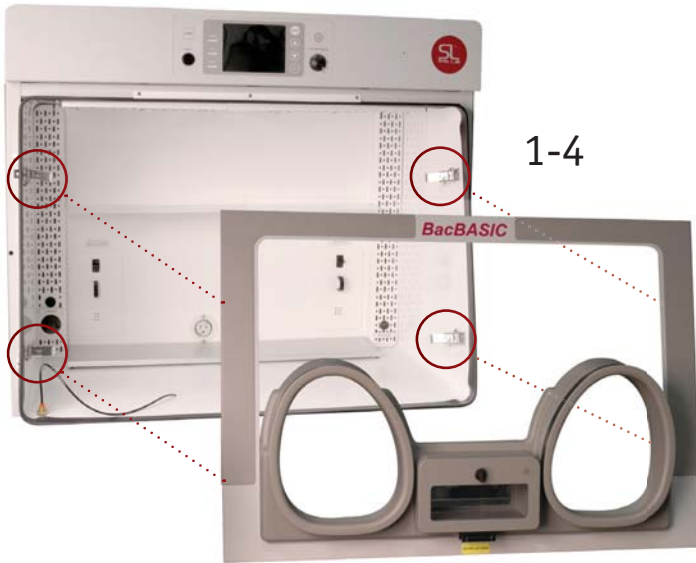


Leveling

1. Install leveling feet (come with unit) in the four holes in the bottom corners of the unit. Adjust the foot at each corner until the unit stands level and solid without rocking.

Installing the Catalyst and Anatox

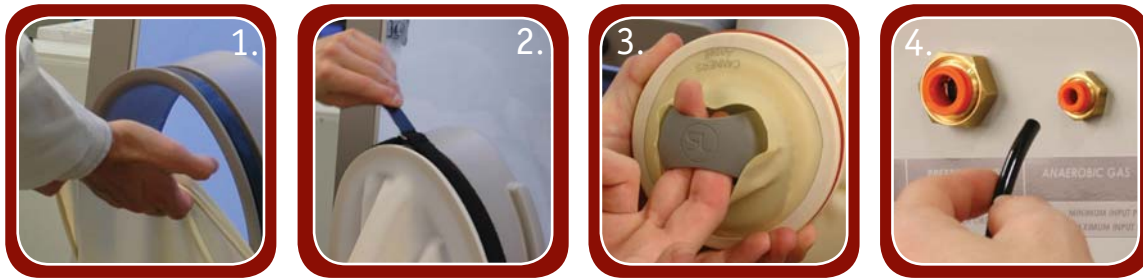
2. Fill Catalyst and Anatox Baskets. Remove Catalyst and Anatox Chamber doors on rear wall by pressing down on the button with your thumb and tilting backward (See Figure 2).
3. Attach filled baskets by sliding down through designated slots until secure (See Figure 3). Place door with basket back into chamber compartment by placing the bottom in first while button is depressed. Make sure door is flush with the chamber wall before releasing button.



Attaching the Flange (Cover)

1. Slide bottom portion of flange under bottom portion of chamber frame.
2. Inside the front edge of the chamber there are 4 latches, circled above. Once bottom is beneath frame, align flange in place to match catches on flange with latches in the chamber.
3. Secure latches by reaching through Arm Port holes.
4. Connect hose on inside floor of chamber with appropriate fitting on the side of the pass-through box.

Attaching Sleeves, Cuffs, and Gas Line




Place Sleeve Plugs (2) and any other required equipment (not media plates) inside chamber through open arm ports.

1. Attach both arm port (2) sleeves to unit arm ports with Velcro straps supplied. Ensure fitting is air-tight. (See Figures 1 & 2)
2. Reach into sleeves and into chamber. Pull sleeve plugs into sleeves to “plug” the open rings at the end of sleeves. Again, ensure fitting is air-tight. (Figure 3)
3. Confirm all gas connections are correct and secure. To install the gas line, press the orange ring down, insert the hose, and release the ring. Gently tug on the hose to ensure there is a good connection. (Figure 4)

Turning On the SHEL LAB *BacBASiC*

Please Ignore the amber “Wait” light for the following steps as the Unit powers on

1. In the top left corner while facing the rear (See Page 1), install the power cord into the power cord inlet. The unit power requirements are listed on the data plate. Check the data plate for voltage, cycle, and ampere requirements. Plug the power cord into a PROPERLY GROUNDED (earthed) Power source OF THE CORRECT SIZE AND STYLE INDICATED ON THE UNIT NAMEPLATE RATING. A separate circuit is recommended for this unit to prevent loss of product due to overloading or circuit failures caused by other equipment.
2. Turn on the main power switch located on the back of the unit (See page 1). Turn on interior light located on front panel. (Page 1)
3. Turn on User Interface LCD Display on front panel of unit by pushing the  button. (See Overview - page 1)

Setting the Temperature



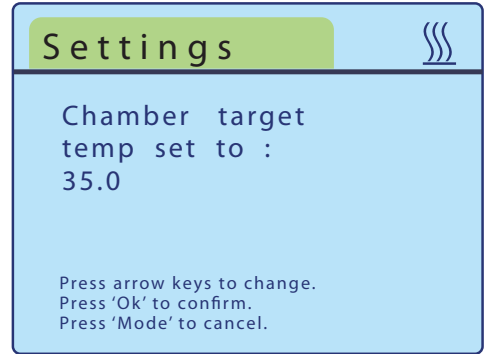
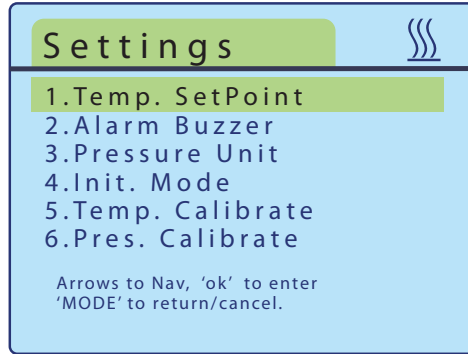
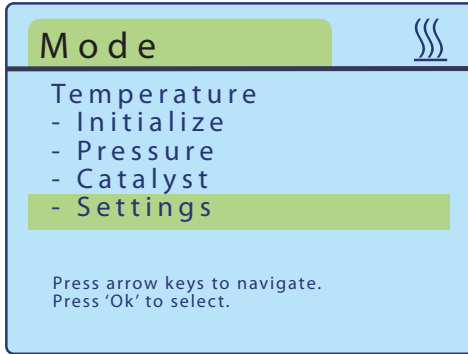
NOTE: Selecting "Temperature" from the "Mode" screen only provides you with the current chamber temperature. All units come preset to 35 degrees Celsius. Please read the following steps to change or set the chamber temperature.



Indicates unit is heating



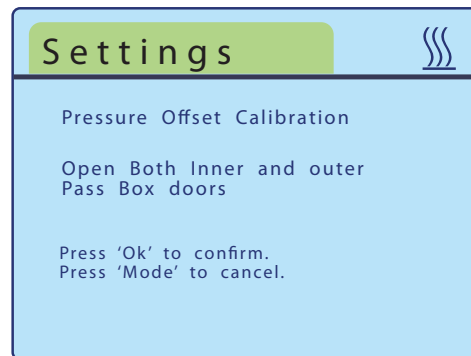
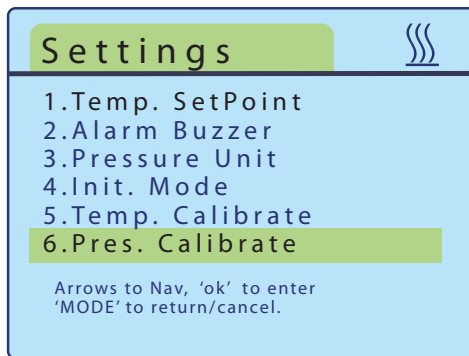
Indicates gas is being injected into the chamber



1. In the Mode screen, use the arrows to scroll down to "Settings" and select "Ok".
2. In the Settings screen scroll to "Temp. Set Point" and select "Ok".
3. Use the Up/Down arrows to set desired Temperature.
4. Select "Ok" to set. Select "Mode" to cancel and return to the "Mode" screen.

Pressure Calibration

NOTE: The chamber pressure should be calibrated upon initial installation, prior to the first initialization and any time the unit is serviced or has a software upgrade.



1. From the Settings menu, highlight Pres. Calibrate and select "OK" to enter the chamber pressure calibration screen.
2. Open both the inner and outer doors of the pass box and press the OK button to confirm and perform the calibration.
3. Allow a few seconds to pass while the calibration process is automatically accomplished by the control system.
4. Close the pass box doors and initialized the workstation (next page) after the pressure calibration is complete.

NOTE: Pressing MODE rather than OK will cancel the recalibration, but if the pass box doors have both been opened then they must be closed and the unit reinitialized.

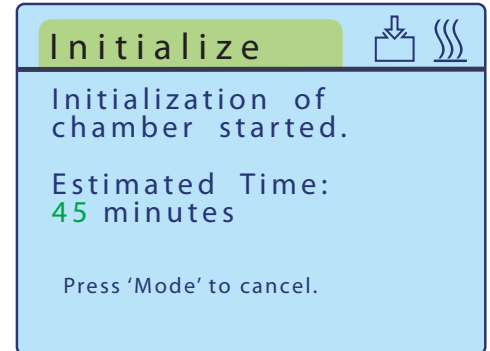
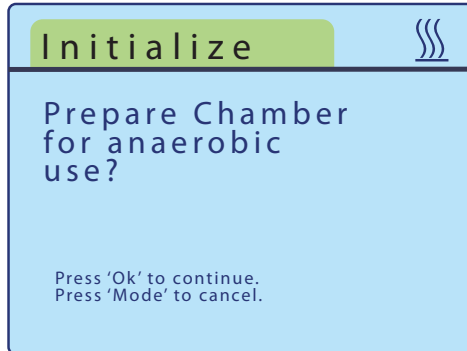
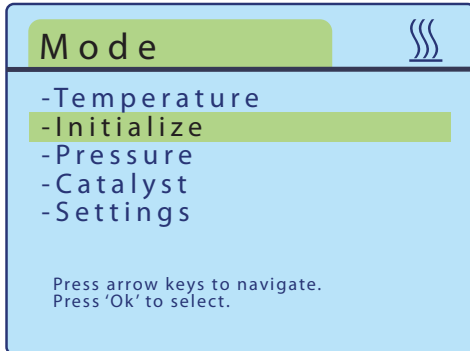
Initializing Chamber for Use



NOTE: When toggling through the display menus, pressing the "MODE" button will cause the display screen to return to the main mode menu. This may cause a loss of altered data. Always use the "Ok" button to confirm changes .

 Indicates unit is heating

 Indicates gas is being injected into the chamber



1. Return to the Mode screen by pressing the "Mode" button on the front panel. Use the arrows to scroll down to "Initialize" and select "Ok".
2. Confirm Initialization start by selecting "Ok" again. Sleeves will slowly begin to inflate at this time.
3. Display will count down from approximately 45 minutes until chamber is ready. The amber "Wait" light on the front panel will remain lit until the chamber is ready. This will be indicated when the green "Ready" light is on. The green "Ready" light indicates that the chamber is initialized and is at the operating temperature setpoint.

Using Pass-through Box to Introduce Product



Note: Prior to opening the outer pass box door, ensure that the inner pass box door is closed and sealed.

1. Open outer pass thru box door by turning the black knob. Place desired Product (media plates etc...) in pass-through box. Ensure inner door of pass-through box is closed and close outer door.
2. Press the "Purge" button once on front control panel. The Amber "Wait" Indicator will light up. Allow 50 seconds for purge cycle to complete. This will be indicated by the green "Ready" light.
3. Enter the unit through the Arm Ports by pushing the sleeve plugs into the chamber. Extend arms through sleeves until ends of sleeves are "air tight" around arms. Perform desired work program.