

Catalog #5027 & #5028

EDVOTEK® Digital Shaking Waterbaths

Features:

- Shaking basket inside waterbath.
- Low water level automatic shut-off.
- Temperature control from ambient to 99°C
- Temperature accuracy +/- 0.5°C (with cover^{**})
- FULL 2 YEAR WARRANTY



* Stainless steel gable covers are sold separately (Cat. #5027-C and #5028-C). Visit www.edvotek.com for more information.

ASSEMBLY

In order to protect the motor drive during shipping, the arm of the basket has been detached from the motor drive wheel and secured. Before operating the waterbath, decide which position you want to use for the basket motion or stroke. The motor drive wheel has three options to choose from: short stroke, medium stroke, and long stroke.

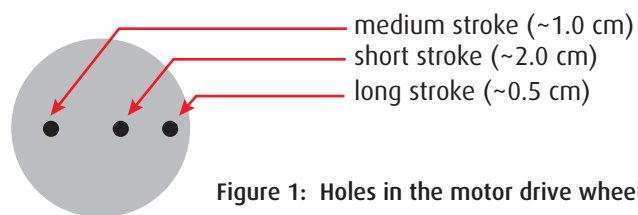


Figure 1: Holes in the motor drive wheel

The pre-drilled hole closest to the edge of the wheel (~ 0.5 cm) is for long stroke, the one next to the long stroke (~ 2 cm from the edge) is for short stroke, and the furthest hole (~1cm from the opposite edge) is for medium stroke^{**}. See Figure 1. Use the included allen wrench to secure the screw through the basket arm to the desired position on the motor drive wheel.

^{**} For most applications, the medium stroke is the preferred option. The long stroke makes a longer pass and the short stroke makes a shorter pass.

GENERAL INFORMATION

1. Plug the included power cord into the back of the unit and then into an open electrical outlet.
2. Add distilled or deionized water to the waterbath and fill to the desired level (keep in mind the water displacement from the item(s) you plan to incubate in the bath).
3. Flip the power switch located on the back of the unit.
4. The digital display will read "Welcome!" while the unit powers up.
5. Once the unit is powered up, the phrases "RPM", "Time" (or "Timed Run"), "Temp" and "Set Temp" will appear on the 4-line display.

CARE OF THE SHAKING WATERBATH

- EDVOTEK uses the highest quality stainless steel in the production of our Shaking Waterbaths. However, we recommend that the Shaking Waterbath be cleaned on a regular basis with a mild detergent solution.
- EDVOTEK recommends the use of the gable cover when the Shaking Waterbath is used above 37°C. The cover will prevent rapid evaporation that occurs at those temperatures.
- If you have any problems with your Shaking Waterbath, please contact EDVOTEK immediately.



All our shaking waterbaths are made in the USA!



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SETTING THE SHAKING WATERBATH TEMPERATURE

1. To set the temperature on the Shaking Waterbath, press the TEMP button and the display will change so that the temperature can be adjusted.
2. Press the Up or Down arrow buttons until the desired running temperature has been reached. (Note: Once the heat button has been pressed, you will lose the ability to change the temperature.)
3. If you have not reached your desired temperature, press the TEMP button again and then press the Up or Down arrows to adjust the temperature. Repeat this procedure until the desired temperature has been reached.

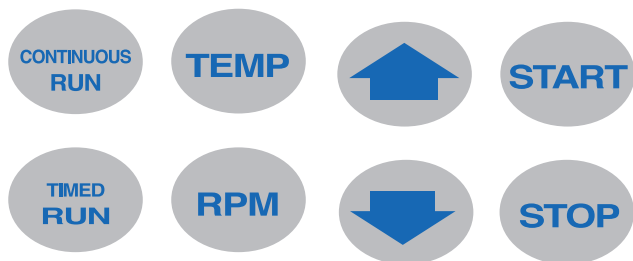


Figure 2: Equipment buttons

CONTINUOUS RUN MODE

1. Press the button labeled CONTINUOUS RUN. The phrases "RPM", "Time", "Temp", and "Set Temp" will appear on the display.
2. Press the RPM button and use the Up/Down arrow buttons to increase or decrease the RPM. Note: The Up/Down arrow buttons do not function if left untouched for 5 seconds. You must press the RPM button again in order to use the Up/Down arrow buttons.
3. Press the START button once the desired RPM has been selected. The basket will begin moving and the timer will begin counting up to 99 hours. The speed of the basket can be changed at any time while the unit is running. Simply press the RPM button and adjust using the Up/Down buttons.

TIMED RUN MODE

1. Press the button labeled TIMED RUN. The phrases "RPM", "Timed Run", "Temp", and "Set Temp" will appear on the display.
2. Use the Up/Down arrow buttons to adjust the number of hours you want the unit to run. Press the TIMED RUN button again and then use the arrow buttons in order to adjust the minutes. You may switch back and forth between hours and minutes by pressing the TIMED RUN button.
3. Press the RPM button once the desired time has been selected. Use the Up/Down buttons to select the desired stirrer RPM.
4. Press the START button once the desired stirrer speed has been selected. The timer will begin to count down. The basket speed may be adjusted at any time while the unit is running. Simply press the RPM button and adjust using the Up/Down arrow buttons.
5. When the programmed time has expired, the basket will stop shaking. The unit will beep for 30 seconds to let you know the program has been completed.



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