

Quick Start Guide to TurboVap® II



For detailed instructions, see the TurboVap® User Manual.

Mode (1)

Display shows the current operation mode. Mode is controlled by pressing the blue button. There are five evaporation modes available on TurboVap II:

- » **Manual:** Evaporate until the user presses the **Stop** button.
- » **Time:** Evaporate for a set period of time.
- » **End-Point:** Evaporate until the end-point sensors detect a liquid level of 0.2 or 0.7 mL depending on the glassware. Each sample tube is controlled individually.
- » **End-Point + Time:** Evaporate for a set period of time after the sensor detects a liquid level of 0.2 or 0.7 mL depending on the glassware. Each sample tube is controlled individually.
- » **Method:** There are several options. For more information, see “Define Methods” in the TurboVap® User Manual.

Note that the two end-point detection modes are only enabled when a TurboVap II end-point rack has been connected to the system’s **AUX** port.

Time (2)

Display shows the set evaporation time (when in Time mode) or the amount of time the evaporation will continue in a sample tube after its liquid level passes below the sensor (when in End-Point + Time mode). (Not shown in other modes.)

Gas Flow (3)

Display shows the current and set gas flow in L/min. Gas flow is controlled by pressing the blue button.

Bath Temperature (4)

Display shows the current and set water bath temperature in °C or °F. Bath temperature is controlled by pressing the blue button. Racks with end-point sensors can only be used at bath temperatures up to 60 °C.

Nozzle Setup (5)

Display shows which nozzles are currently enabled. Nozzles are selected ON or OFF by pressing the blue button. When in End-Point or End-Point + Time mode, selection can only be done when the system is not processing.

Status (6)

Display shows the remaining and/or elapsed time of the current evaporation. When in End-Point or End-Point + Time mode, individual tube status is shown; OFF, Idle, Evaporate, or Done. When in End-Point + Time mode, remaining time is also shown.

Start/Pause (7)

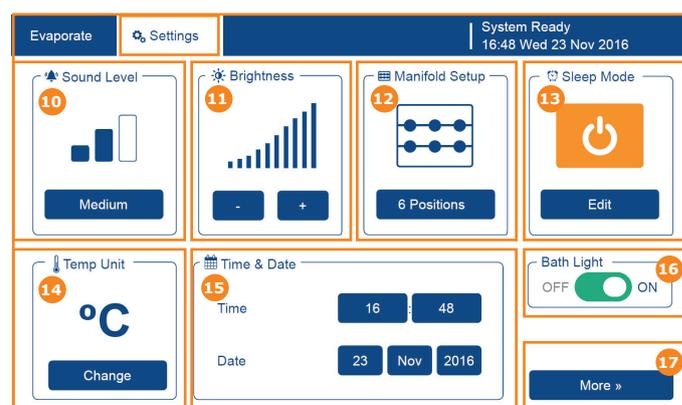
Press to start or pause the evaporation in progress.

Stop (8)

Press to stop the evaporation in progress.

Settings (9)

Press to define system settings. Displays an alternative screen.



Sound Level (10)

Display shows the current sound level. Sound level is controlled by pressing the blue button. The sound level can be set to Low, Medium, High, or OFF.

Brightness (11)

Display shows the brightness of the touch screen. Brightness is controlled by pressing either + or –.

Manifold Setup (12)

Display shows the selected/installed manifold. For more information, see “Manifolds” in the TurboVap® User Manual.

Sleep Mode (13)

Display shows the sleep mode settings. For more information, see “Sleep Mode and Automatic Wake-Up” in the TurboVap® User Manual.

Temp Unit (14)

Display shows the temperature unit used by the system. Press **Change** to switch between °C or °F.

Time and Date (15)

Display shows the current time and date. Time and date are set by pressing the appropriate blue buttons.

Bath Light (16)

The bath light can be turned ON or OFF.

More (17)

Display shows system and software information, and gives access to calibration features. For more information, see the TurboVap® User Manual.



Daily Operation

Follow the steps below to operate the system. For detailed instructions, see the TurboVap® User Manual.

Prepare the System

The system should always be turned on when a sample tube is inserted so that the exhaust fan can remove solvent vapors.

1. Check the incoming gas supply for sufficient reserve.
2. Ensure that the water in the bath is at an appropriate level.
3. Check/set the mode of operation.
4. Check/set the water bath temperature. Red indicator in the **Bath Temp** field indicates bath heating. When the target water bath temperature has been reached, the user will be notified by a dialog on the touch screen.
5. Check/set the gas flow.
6. Open the lid and either load the sample tubes into the rack when positioned inside the water bath or gently lower the rack with the sample tubes into the water bath. The latter is not possible if using a rack with end-point sensors.

Note: If using a rack with end-point sensors, ensure the sensor connection box is connected to the **AUX** port on the right side of the system.

7. Close the lid.

Start the Evaporation Process

1. Set the evaporation time if necessary.
2. Enable the nozzles for the rack positions that contain sample tubes by pressing the **Edit** button in the **Nozzle Setup** field.
3. Press the **Start** button.

Stop/Pause the Evaporation Process

To pause the evaporation (stop and continue) for all tubes, press **Pause** or open the lid. To continue operation, press **Resume** or close the lid.

To stop the evaporation, press the **Stop** button.

To stop the evaporation process for an individual sample tube, press **Edit** in the **Nozzle Setup** field and disable the nozzle for that tube.

Remove the Sample

Quick removal of a completed tube is necessary since highly volatile compounds can be lost if allowed to sit for an extended period.

Shut Down

When the system is no longer in use, leave the lid open to keep moisture from accumulating on the inside cover. Turn off the power (unless using sleep mode) and the gas supply (if desired).