

Technology and Maintenance on the TurboVap LV Concentration Workstation

Maintaining the Water Bath

Always use distilled water. Add Clear Bath to help keep the water clean. Periodically change the water in the bath. With average use, change every 2 months or sooner if it becomes cloudy.

TurboVap LV Solvent Vapors

The TurboVap LV has a fan at the back of the unit that is pulling air out through a ventilation hose that is placed under the sash of a hood. Therefore, the TurboVap LV can be placed on a benchtop with the ventilation hose directed into an exhaust hood. Ambient air surrounding the TurboVap LV is pulled through a small slot in the front, to create a substantial airflow that helps to void the TurboVap LV unit (including the electronics compartment) of vapors that then exhaust out the back. The exhaust is composed of ambient air, water vapor from the internal water bath, nitrogen (gas source) and solvent vapors.

Gas Consumption

At 10psi: 0.06 cfm/nozzle OR 0.6 cfm/row of 10 nozzles OR 1.699 L/min/nozzle

At 15psi: 0.1 cfm/nozzle OR 1 cfm/row of 10 nozzles OR 2.83 L/min/nozzle

If your laboratory is interested in a gas generator or dewar system, please contact the appropriate manufacturers of this equipment. The inlet source of gas to the TurboVap LV must be at a minimum of 60 psi and maximum of 100 psi.

To conserve nitrogen, when evaporating less than 10 samples per row, use nozzle caps (pin 46811) supplied in start-up kit to cover unused open nozzles.

Summary of Daily Maintenance

- During "Power Up" diagnostics, confirm that all displays are accurate.
- Check to ensure water bath is full and clean.
- Check that your tank has enough nitrogen for daily operation.
- Avoid spilling any solvents on the control panel.
- Avoid spilling any solvents in the water bath.



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