

P13601 Service Manual

WARNING: DO NOT USE ACETONE ON ANY PIECE OF EQUIPMENT IN THIS APPARATUS. FOR CLEANING USE WATER OR ISOPROPYL ALCOHOL (IPA) IF NECESSARY.

Circulating Bath

Troubleshooting

- Unable to change temperature set-point
 - Put chiller into standby mode
 - Power off chiller with switch located at the rear of the unit
 - Improper shut down of unit will affect the controller and can damage the unit
- Unit not responding to computer command
 - Check USB connection between unit and PC
 - Check the correct COM port is selected
 - Check baud rate is set to _____ and matches on the computer
- Low fluid alarm
 - Refill Reservoir with desired coolant to approximately 2 inches from the top

Maintenance

- Draining Reservoir (Only required when changing coolant)
 - Remove front panel to expose the drain port
 - Attach one end of hose to drain port and other to a bucket placed on the floor
 - Locate drain release to the right of drain port
 - Open drain by using flat head screw driver and turning counterclockwise
 - Once drained if desire wipe down inside of reservoir with paper towels

Polycarbonate Chamber

Maintenance

- Cleaning
 - Use paper towels and water to wipe down any spills
 - If necessary wipe down using a paper towel with IPA

Cooling Chamber

Maintenance

- Cleaning (Only required if changing coolant or Once a month)
 - Remove beaker from chamber
 - Disconnect hoses for chiller
 - Dispose of remaining coolant properly
 - Run water through chamber to flush out remaining coolant.
 - Wipe down with paper towel and allow to dry before next run.

Reactor Vessel (250 mL beaker)

Maintenance

- Cleaning
 - Reactor Vessel can either be reused or disposed.
 - Dispose of electrolyte solution properly
 - Flush vessel with water
 - After flush use IPA to wipe down beaker
 - Final flush with water and allow to dry before next run

Power Supply and Multimeter

Troubleshooting

- No power/voltage flowing through system
 - Check wiring to make sure circuit is complete
- Not responding to computer commands
 - Check USB cable connection to PC
 - Check correct COM port is selected
 - Check baud rate on computer and power supply match