

Turning the Rigaku/MSX-Stream 2000 System On

- (1) Turn on the nitrogen generator (green toggle switch towards the middle right side on the bottom largest unit); after a few moments the generator makes noises.
- (2) Check to see that the pressure is set to 25 psi (pressure gauge is on the top left-hand side of the generator; adjust the pressure with the black pressure regulator knob directly under the gauge).
- (3) WAIT ONE HOUR.
- (4) Turn the control box on (square push button on the smallest unit on the table top).
- (5) Verify that the static pressures on the helium compressor (the mid-sized unit on top of the table) are between 190-205 psi with the unit off (if low, it needs recharging; notify Rebecca Conry).
- (6) Turn on the helium compressor using the round green power switch on the front.
- (7) The system temperature will begin dropping after a few minutes and should stabilize within two hours (the actual nozzle temperature is listed on the top line and the set point on the bottom line in the control box display).
- (8) Verify that the running pressures on the helium compressor are between 50-65 psi on the low pressure gauge and 270-290 psi on the high pressure gauge (if low, it needs recharging; notify Rebecca Conry).

Turning the Rigaku/MSX-Stream 2000 System Off

- (1) Turn the helium compressor off.
- (2) WAIT until the nozzle temperature reaches +14 °C or higher (\leq two hours)
- (3) Turn nitrogen generator off.
- (4) Turn the control box off.