Starting Procedure:

1) Have stopcock I closed; II and III open. Stopcock IV is turned so manostat and manifold will be connected.

2) *Slowly* open I until manometer reads a pressure of ~30 mm Hg above desired pressure. Close I.

3) Close II and III.

4) Open I slowly.

5) Regulate pressure by rapidly turning II 180° until desired pressure is obtained. Finer regulation can be obtained by closing I and then rotating II 180° and reopening I.

Shut-down Procedure

1) Close I.

2) Open II and III.

3) Open system to air by slowly opening a stopcock to the right of the manostat. One may also open I slowly to air but this is less preferable as one may accidentally open it to the pump.