

Oven Preparation

1. Turn on diffusion pump cooling water
2. All switches off (down)
3. Main Switch (SW 1) on
4. Install the CRT
5. Position tipoff coil

Evacuation

1. Mechanical Pump (SW 2) on
2. After the mechanical pump stops gurgling, Diffusion Pump (SW 3) on
3. Start oven heater cycle:

Glass tubes under 24 inch: 775 (725?) degrees F for 30 min

Glass tubes 24 inch or larger: 775 (725?) degrees F for 60 min

Metal and Color tubes: 660 degrees F for 60 min

4. Reduce oven temperature to 400 degrees F

Bombard Gun (5 minutes)

1. Gun Bombard (SW 4) on
2. Adjust Variac 1 for 8 volts on AC meter
3. After timer is at 0, Gun Bombard (SW 4) off

Tipoff (4 minutes)

1. Tipoff (SW 6) on
2. After timer is at 0, Tipoff (SW 6) off

Shut Down Oven

1. Oven heat off
2. Diffusion Pump (SW 2) off
3. Mechanical Pump (SW 3) off
4. Turn off diffusion pump cooling water
5. Turn on diffusion pump cool-down water
6. After oven has cooled, turn off diffusion pump cool-down water

7. Remove CRT

Getter Flashing

1. Place tube in appropriate heating coil
2. Getter Flash (SW 8) on
3. Adjust Variac 2 for 10 volts on AC meter
4. Wait one minute, then press foot pedal until the getter has flashed
4. All switches off (down)