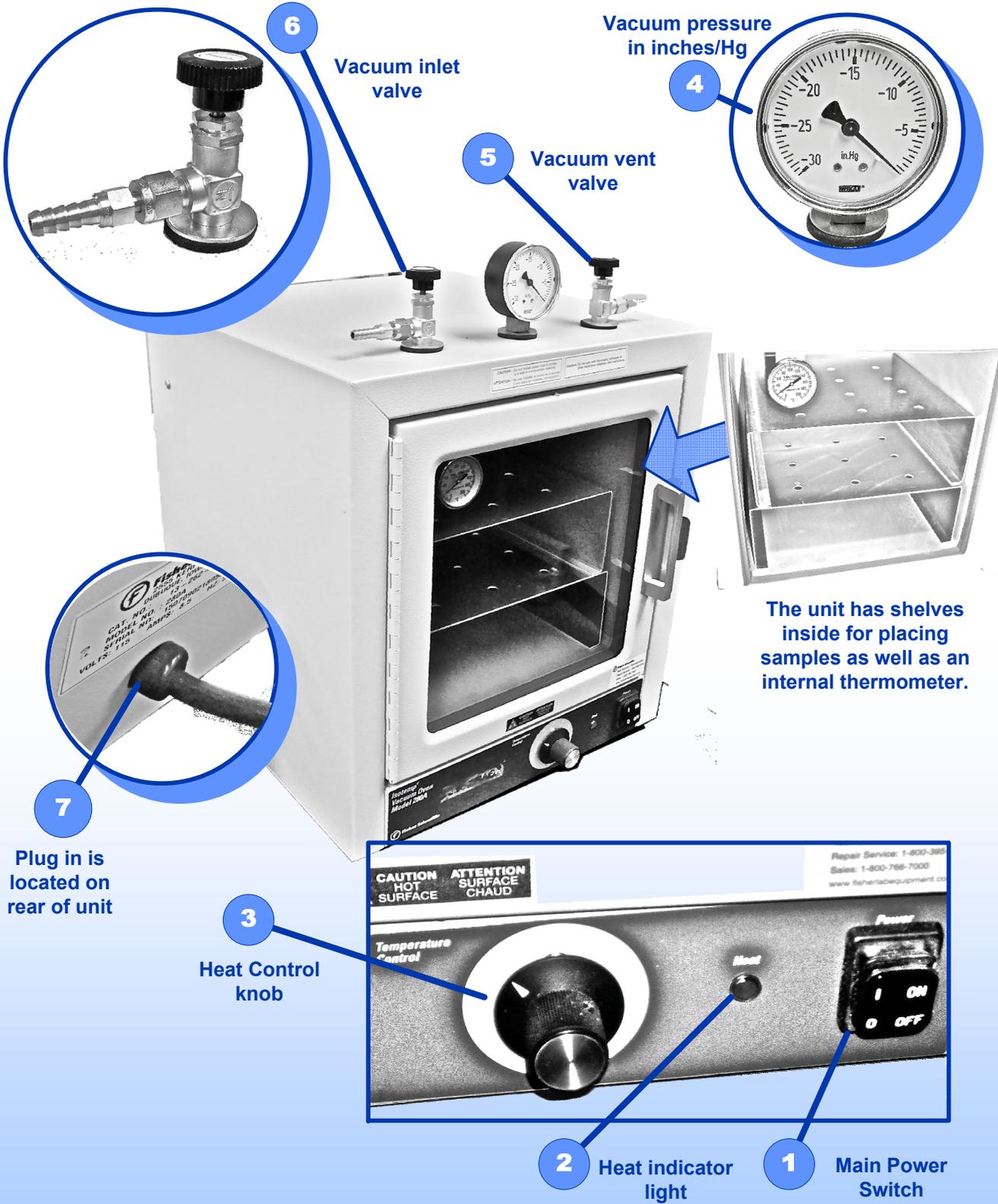


**Fisher Scientific Vacuum Oven  
Model: Isotemp 280A**



# HEAT OPERATION

**A** Turn on main power. **1**

**B** Place/ check that internal thermometer is inside unit.

**C** Set temperature on Heat control. Dial ranges from 1-7 which corresponds to 40 – 200 degrees Celsius. Heat light will come on. **3**

**D** Allow internal thermometer to reach desired temperature.

**E** Turn Heat control CCW just until light goes off. Monitor temperature. You may need to readjust in this manner several times before stabilization. Let unit stabilize for a FEW HOURS. **3**

**F** Place sample inside, making sure to wear proper PPE. DO NOT PUT sealed/ closed containers in unit due to vacuum pressure.

# VACUUM OPERATION

**A** Close vent valve. **5**  
Open vacuum inlet valve. **6**

**B** Latch door. Turn on Vacuum pump.

**C** Monitor vacuum gauge. Vacuum gauge ranges from 0 - -30" of Hg(76cm). 0 is equivalent to 1 atm. **4**

**D** When required vacuum is reached, CLOSE vacuum inlet valve and turn off vacuum pump. **6**

**E** To return to 1 atm, open vent valve VERY, VERY SLOWLY and allow for repressurization. The speed of valve opening determines the speed of repressurization. **5**

# HAZARDS



**ELECTRICAL HAZARD**  
This equipment contains electrical units that may come into contact with skin or liquids.



**SLIP HAZARD**  
Because chemicals are being moved near this unit, a slip hazard may be created.



**PINCH HAZARD**  
The lid to this unit may shut and cause a pinch hazard.



**CHEMICAL HAZARD**  
Because chemicals are being used near this unit, chemical spills are possible.



**FIRE HAZARD**  
Any improper use of this unit may cause a fire hazard.

# PREVENTION



**EYE PROTECTION**  
Wear safety glasses while operating.



**PROTECTIVE GLOVES**  
Wear appropriate gloves for heat and chemical usage.



**NON-SLIP, CLOSED SHOES**  
Wear non-slip, closed shoes to avoid spills.



**READ MANUAL**  
Become familiar with this guide before operating.

For additional help contact the Lab Space Manager