

GAS POT MICRO-THERM CONTROL

Note: This thermostat is designed to operate with manufactured gas, which has a pressure of 3 to 5 inches of water. With natural or "bottled" gasses, which run to greater pressures, a regulator should be used to reduce the pressure to the normal operating range.

This thermostat has been tested and adjusted at the factory to operate at 550° F. The following instructions will permit further adjustments if required.

CAUTION: The bulb of this thermostat must not be inserted into the pot until the complete assembly has been exposed to room temperature (70° F.) for at least one hour. Do not insert in overheated pot (over 600° F.).

To calibrate thermostat, place a glass thermometer in pot, loosen dial set screw 93 and shaft set screw 95 (as shown in Fig. 1). Then turn operating shaft 94 to the left or counter-clockwise, to raise the temperature and to the right or clockwise to lower.

When thermometer reaches 550° adjust shaft 94 by turning to the right, or clockwise, until main burner flame is cut down to a pilot flame. Permit pot to idle for at least 15 minutes, to make sure the 550° will not be exceeded during idling periods. Line up the 550° graduation mark on the dial 89 with one on casting and then lock dial in position with lock screws 93 and 95.

The pilot light can be adjusted by first loosening lock nut 100 then turning the pilot light regulating screw 96 to the right or clockwise to reduce the flame or to the left, or counter-clockwise, to increase the flame. This will regulate the amount of gas flowing through the pilot light bypass 88.

To replace a damaged expansion bellows, shown at the lower left in Fig. 2, first turn the gas flame down, using the pot burner cock 105. Remove the expansion bellows guard 101, loosen bellows retaining nut 102 before loosening enclosing nut 103; then remove expansion tube assembly and replace with new one. Tighten enclosing nut 103 and then tighten bellows retaining nut 102. To clean, go through the same process with the addition of removing piston by loosening set screw 110, Fig. 1. Clean thoroughly and wipe piston 84 with dry graphite before re-assembling.

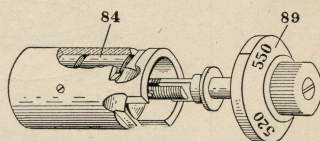
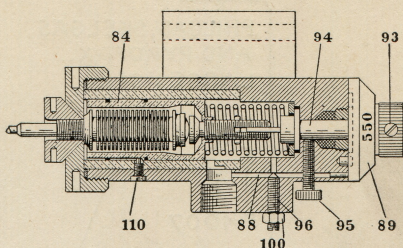


Fig. 1

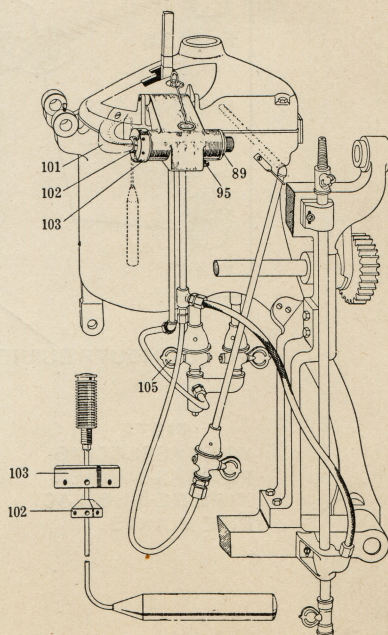


Fig. 2