

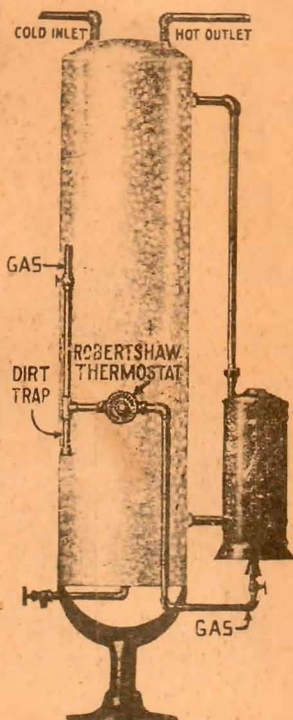
HOW TO INSTALL

Nos. 2A—4A

ROBERTSHAW THERMOSTATS

LEAVE THIS CARD

MADE AND GUARANTEED BY
ROBERTSHAW THERMOSTAT CO.
YOUNGWOOD, PA.



The Thermostat is to be installed with the expansion tube inserted in the tank, preferably about one-third the distance from the bottom of the tank. In screwing the thermostat into the tank, place the wrench only on shoulder "H".

The gas is run through the thermostat in the direction of the arrow cast on the side and then on to the heater. When screwing gas pipes into the thermostat, hold back with a wrench placed on the hexagon gas connections.

To prevent dirt and scale entering the thermostat, knock the scale out of the gaspipe and use pipe dope sparingly on male threads only. Never lead the gas pipes directly into the thermostat from above and wherever possible install a dirt trap as shown in above illustration. The dirt trap is made up of a tee, short nipple and a cap and provides an excellent means for catching dirt that would otherwise enter the thermostat.

When the heater is connected to a flue see that heavy up and down drafts are provided against by use of a draft hood. An ordinary damper will not suffice.

HOW TO ADJUST OR REGULATE—See Reverse side.

Printed in U. S. A.

HOW TO ADJUST OR REGULATE

Nos. 2A-4A THERMOSTATS

Made and Guaranteed by Robertshaw Thermostat Co., Youngwood, Pa.

A—Temperature Regulation
Pointer

B—By-Pass Pilot
Adjusting Valve

C—By-Pass Pilot
Protecting Cap

D—Binder Screw

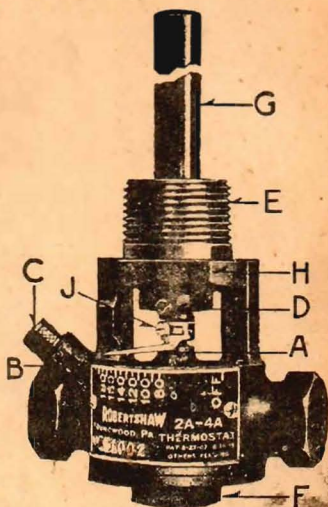
E—Tank Connection

F—Thermostat Body Cap

G—Expansion Tube

H—Shoulder

J—Temperature Pointer
Set Screw



The By-Pass Pilot flame which is not affected by temperature changes is the most important point of regulation—**DO IT FIRST**—and in the following manner:

Set the temperature regulation Pointer "A" at the "off" position. This closes the thermostatic valve seat.

This Thermostat has the new Non-Clog By-Pass and adjusting valve "B" is located underneath a protecting cap, "C." Unscrew the cap "C", then turn slotted Adjusting Valve "B" either to right or left until sufficient gas is admitted to light burner. Then, watching the flame, turn Valve "B" slowly in either direction until a low By-Pass flame is secured (about $\frac{1}{4}$ " high over entire burner). Then replace cap "C".

The size and height of the by-pass flame varies with different burners. Merely see that the flame is high enough not to blow out or flash back in the mixer, and not too high to raise the temperature above that desired. In case the turning of the by-pass valve "B" (when the Pointer "A" is at the "off" position) does not reduce the flame low enough, it is evident that the valve seat needs cleaning. (See instructions below.)

After the by-pass flame is set properly, move the Pointer "A" to the desired temperature (usually 120 degrees) marked on the dial, which temperature will be maintained at the thermostat level. To secure a higher or lower temperature, move the Pointer "A" to a higher or lower degree mark on the dial.

Binder screw "D" is to be loosened only in case Pointer "A" cannot be moved. It must never be tightened more than enough to prevent Pointer "A" from moving too freely or from dropping of its own weight.

TO CLEAN VALVE PARTS:

If, when first installed, or after long continued use, the thermostat does not turn down the gas, the valve parts should be cleaned, in which case remove cap "F" carefully, take out the spring, valve disc and valve pin, clean these parts thoroughly and replace carefully in their original position. Be very careful that the valve disc is not dropped or nicked.

To Recalibrate the Thermostat or change the temperature setting, it is merely necessary to loosen the Temperature Pointer Set Screw "J" and then move the Temperature Pointer "A" to any degree mark on the dial desired, being careful after the Temperature Pointer has been moved, to tighten the set-screw "J."

SEE REVERSE SIDE FOR METHOD OF INSTALLING.