

SERIES 175T

DIAL INDICATOR CALIBRATION INSTRUCTIONS

INSTRUCTION PART NO. 2218000 C.R.3354 REV 3

HOW IT WORKS

The dial on top of the Thermal Head Assembly (THA) is only an "indicator" which is actuated by the changing pressure inside the THA caused by thermal expansion. The dial must be calibrated to an actual thermometer that is located in the process.

CALIBRATION

EXAMPLE BELOW HAS SET POINT OF 150°F

Bring flow to the regulator and turn the adjusting wheel to start compressing the spring. Wait and watch the thermometer located in the process. Process settles out at 95°F, now calibrate the dial indicator on the THA to read the same as the process thermometer by prying off the lens and following the instructions below.

Now place more compression on the adjusting spring; wait and watch the process thermometer. Process temperature is now 130°F; recheck the dial indicator to see if it also reads 130°F; if not, you must calibrate again.

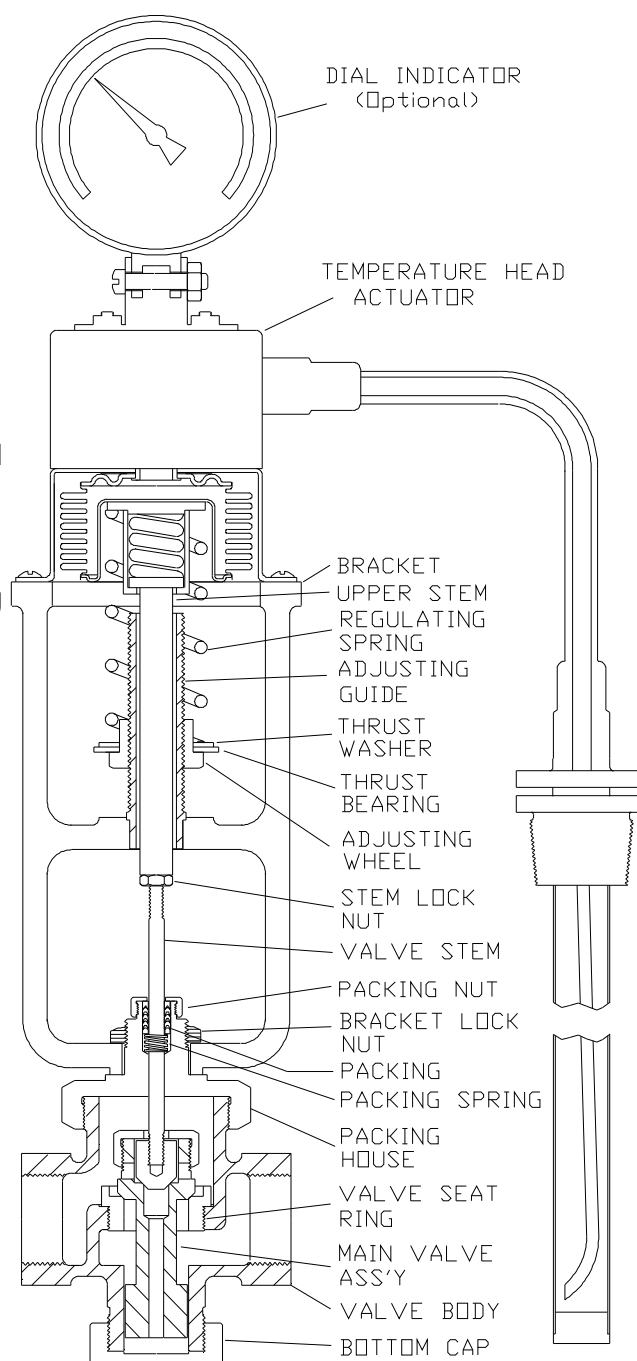
Finally, compress the spring until you reach the desired set point of 150°F on the process thermometer and once again check the dial indicator. Recalibrate if necessary.

To Lower Temperature Indication

Place left index finger at wide end of pointer, but close to the hub. Insert screwdriver in hub screwdriver slot and turn slowly clockwise. Adjust to proper setting.

To Raise Temperature Indication

Place left index finger at wide end of pointer, but close to the hub. Insert screwdriver in hub screwdriver slot and turn slowly counterclockwise. Adjust to proper setting.



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