



INSTALLATION AND MAINTENANCE INSTRUCTIONS

IMI 1.1116A

April 1998

Remote Pilot 25 TRM Pilot Operated Temperature Regulator

Remote Pilot 25 TRM Pilot Operated Temperature Regulator

Assembly Instructions

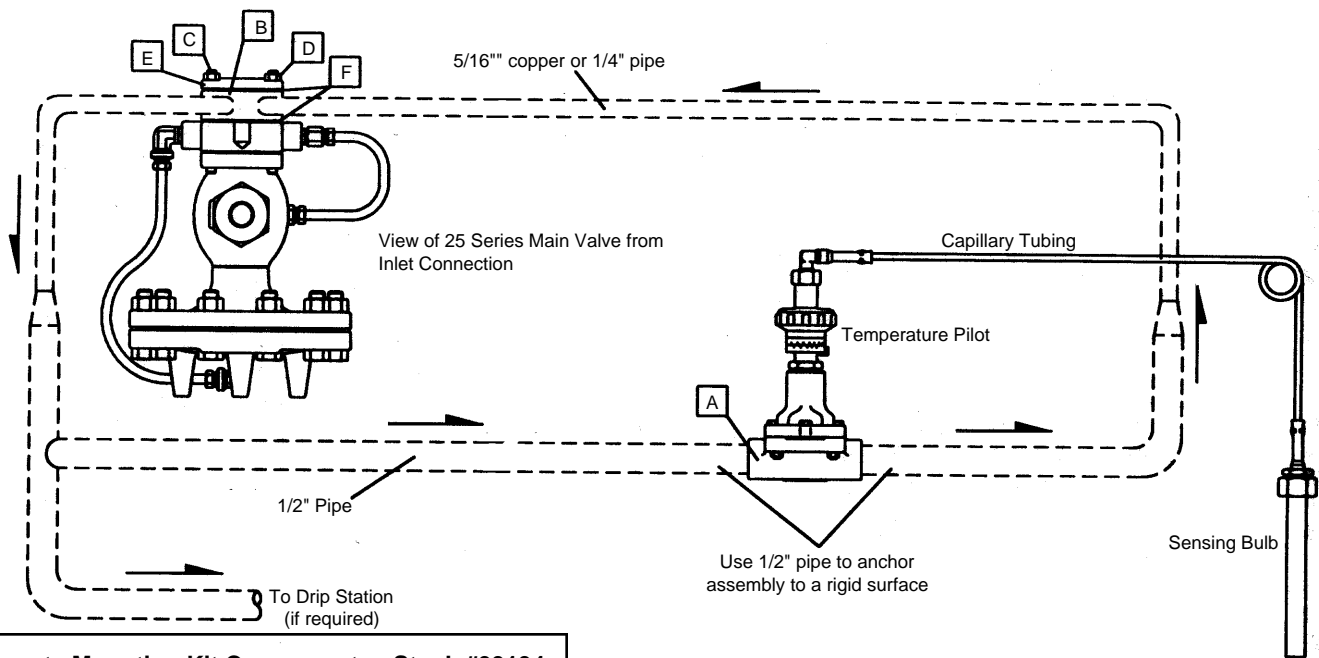
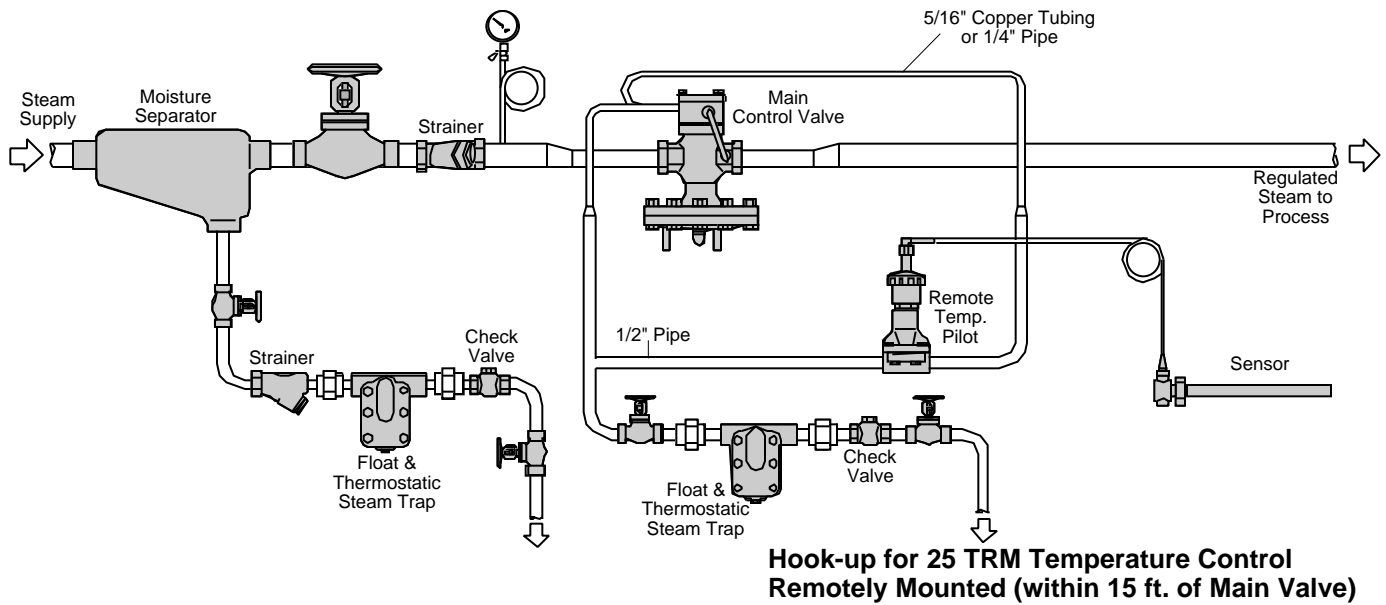
Caution: Installation should be performed by qualified service personnel. Before installation or any maintenance is performed, ensure that all main valve and pilot stop valves are closed and that all internal pressure has been relieved. When breaking any connection, piping/bolts should be removed slowly so that if the line is under pressure, this fact will be apparent before completely removing the pipe or component. Always relieve pressure before breaking any joint. Allow main valve and lines to cool before beginning installation.

1. If a pilot valve is mounted, remove the present pilot valve assembly from the main valve body. Leave the main valve cover and the copper tubing connections intact.
2. Assemble the adapter (B) and cap (E) to the main valve body using studs (C) and nuts (D) in the location which the pilot valve assembly was removed in Step 1. Make sure that the locating pin is properly entered into the locating pin hole. Place gaskets (F) between castings as shown on the attached drawing.
3. Assemble body (A) and pilot valve assembly as shown in the attached drawing. Be sure to place gasket between pilot valve and body (A). Make certain that the locating pin is properly entered into the locating pin hole.
4. Note direction of pilot flow indicated on the attached drawing. Connect 5/16" copper tubing or 1/4" pipe between exit flow of adapter (B) and inlet end of body (A) indicated with arrow on casting.
5. Connect a similar pipe between outlet of body (A) to the inlet of adapter (B).
6. Carefully uncoil the flexible tubing avoiding sharp bends and kinks.

7. Support flexible tubing to protect it against mechanical damage.
8. Keep flexible tubing away from hot pipe lines or other hot surfaces.
9. Install thermostatic bulb to unit to be controlled. Make certain that the entire bulb is exposed to the medium being controlled. Accuracy of regulation depends on the bulb being located in a representative location with adequate circulation over it.
10. If a separable socket is used for the temperature bulb, it is recommended that the socket be packed with a heat transfer compound to minimize lag in response to temperature changes caused by the insulating air layer between bulb and socket.

Start-Up

1. First make certain that all stop valves are closed.
2. Adjust the temperature pilot to the temperature required by turning the red adjustment knob 3C. **Caution: DO NOT** loosen Allen set-screw in the red temperature knob.
3. Open stop valves in the following order:
 - a. Open stop valves ahead of steam trap on steam supply line. This will insure condensate free steam at the regulator inlet.
 - b. Open downstream stop valve.
 - c. Slowly open inlet stop valve.
4. After the system has stabilized itself, check thermometer temperature. Readjustment of the temperature pilot (red knob 3C) may be necessary. Note: In the event the temperature indicated on the calibrated dial does not agree with the thermometer, the temperature pilot can be recalibrated to match the thermometer. See Installation and Maintenance Instructions - IMI 1.1116 for recalibration procedure.
5. Important - Retighten all pilot flange connections to insure steam tight joints.



Remote Mounting Kit Components - Stock #99134

- A (1) 1/2" MP Valve Body
- B (1) Adapter Bracket
- C (4) Studs
- D (4) Nuts
- E (1) E Pilot Cap
- F (2) Pilot Gaskets

Notes:

1. Piping shown in phantom lines to be supplied by end user.
2. Remote pilot should not be more than 15 feet from the main valve.

Spirax Sarco Applications Engineering Department

**Toll Free at:
1-800-833-3246**



SPIRAX SARCO, INC. • 1150 NORTHPOINT BLVD. • BLYTHEWOOD, SC 29016
PHONE 803-714-2000 • FAX 803-714-2200