

Contractor Service Tips

Tip Card
8

Sensing Bulb Location

Q: What is the correct position for the TXV sensing bulb?

The placement of the remote sensing bulb of the TXV onto the suction line is critical to proper TXV performance. The important points to follow are:

- Clean the suction line near the outlet of the evaporator
- The entire length of the sensing bulb must be in contact with the cleaned portion of the suction line
- The sensing bulb should be placed several inches downstream of the external equalizer connection
- The sensing bulb should be attached at 12 o'clock on any suction line of 7/8" diameter or smaller. On lines larger than 7/8" diameter the bulb should be placed at either 4 or 8 o'clock. The bulb should never be placed at 6 o'clock
- Always insulate the sensing bulb after installation
- A sensing bulb can be installed on a vertical suction line if necessary but never place bulb downstream of a trap. Bulb placement before a trap (upstream) is recommended.

See graphic on reverse side of card.



EMERSON
Climate Technologies

POSITIONING THE TXV SENSING BULB



- On suction lines less than 7/8" diameter, position bulb at 12:00 o'clock
- On suction lines greater than 7/8" diameter, position bulb at 4 or 8 o'clock