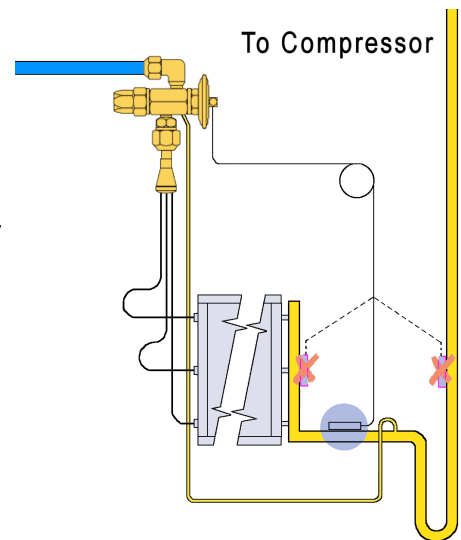


Where should the TXV Thermal Bulb be installed?

In general, the TEV bulb should be installed on a **straight** section of **horizontal** suction line.

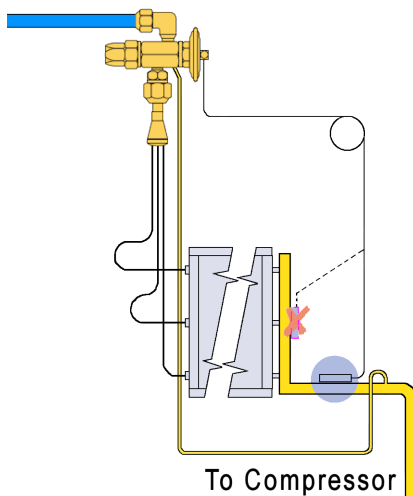
When the compressor is above the evaporator

Locate the bulb on a straight, horizontal line, pitched slightly down, immediately after it leaves the evaporator. A short trap should follow before the vertical line rises to be connected to the compressor suction. With the line pitched down, any liquid refrigerant and/or oil will pass into the trap, **away** from the bulb. As the trap fills with oil, the velocity of the refrigerant will carry the trapped oil into the vertical section and be returned to the compressor.



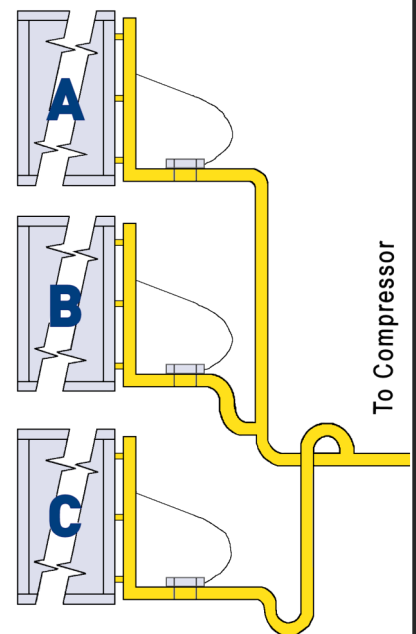
When the compressor is below the evaporator

In this piping configuration, no trap is required after the bulb location, but the line should be pitched slightly down to prevent any liquid refrigerant or oil from being trapped at the bulb location.



When several evaporators are installed both below and above the common suction line

Observing the same principles outlined above, the piping should be arranged to prevent the accumulation of oil and/or refrigerant at the bulb location. Also, traps installed in the suction lines of evaporators **B** and **C** prevent the refrigerant from one evaporator from entering the suction line of another evaporator.



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