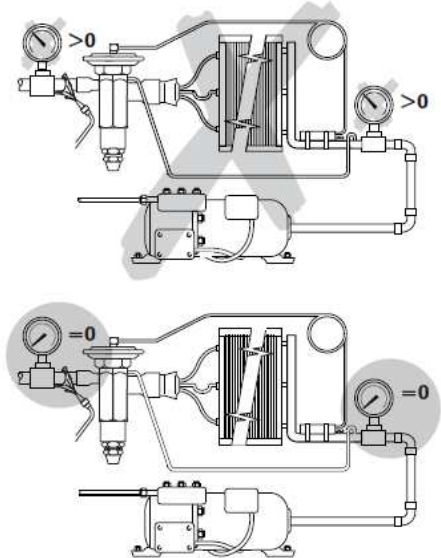
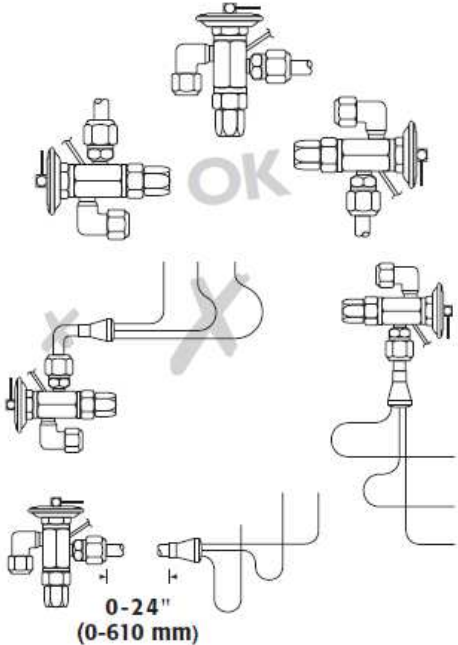


# Thermal Expansion Valve (TEV) Installation

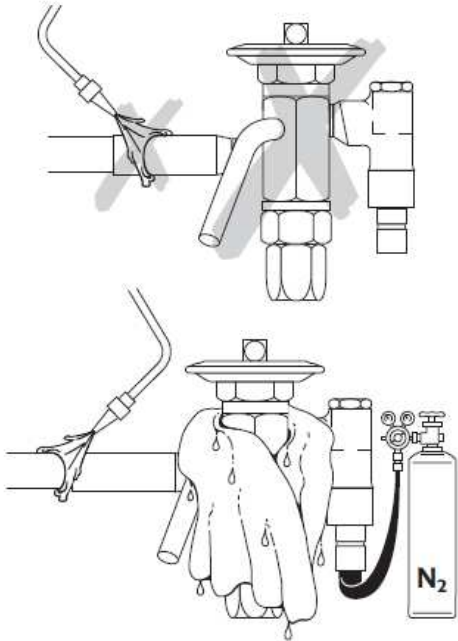
1. Locate TEV just prior to DX coil distributor. Make sure nozzle is removed from distributor. Before brazing, all lines must be de-pressurized.



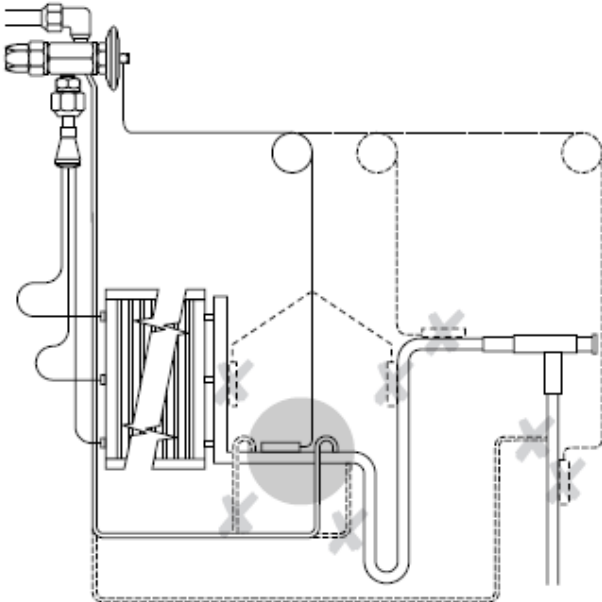
2. TEV must be installed in the correct orientation as shown below.



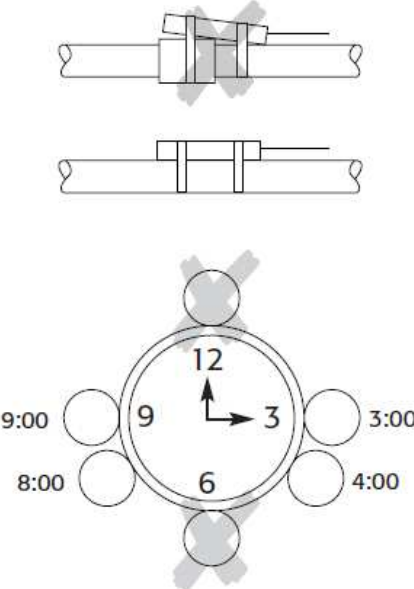
- 3. Flow regulated, dry nitrogen through the line while brazing. Keep TEV cool with wet rag while brazing.



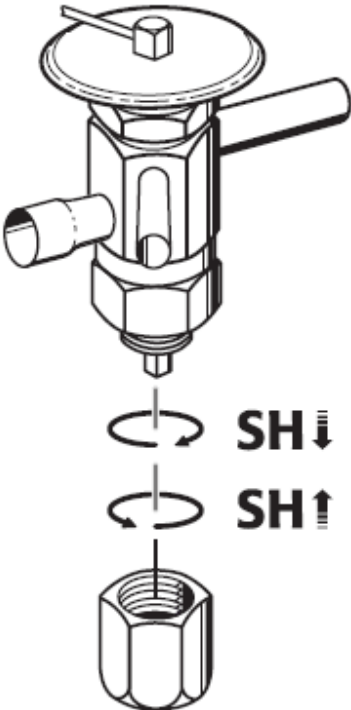
- 4. Route TEV bulb to DX coil suction line. Install external equalization line on condenser side of remote sensing bulb.



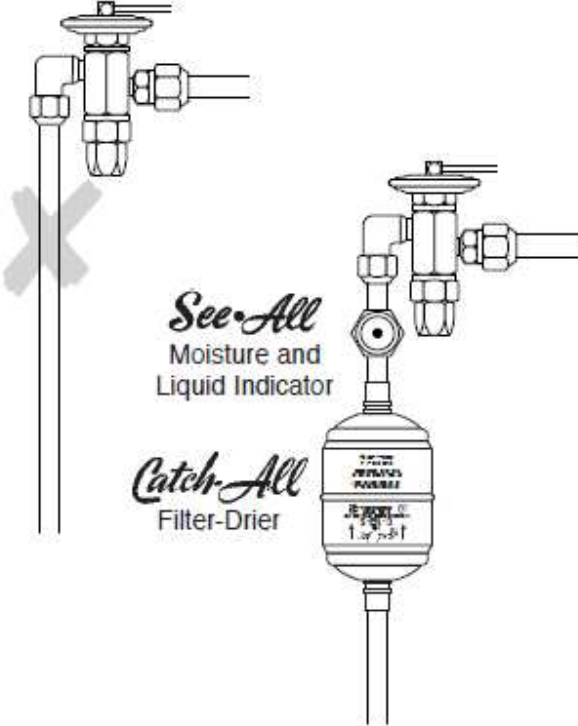
- 5. Install TEV remote sensing bulb on flat part of suction tube. Install at 3, 4, 8, or 9 o'clock on suction tube.



- 6. Adjust superheat by adjusting nut on bottom of TEV.



- 7. Install Filter-Drier and sight glass if required. Installation of these devices are on the incoming port of the TEV.



- 8. Check superheat. Temperature at T minus Temperature at P is superheat value.  
 $T_t - T_p = T_{sh}$

