TECHNICAL LITERATURE
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Technical information

GENERAL SPECIFICATIONS
• Applicable to fluids and refrigerants of GROUP 2:
  R-410A and R-22/R-407C
• Maximum operating pressure:
  - R-410A: 670 psig
  - R-22, R-404A, R-507, R-448A, R-449A: 500 psig
• Certifications: UL/CSA and PED declaration

INSTALLATION INSTRUCTIONS: RFGD, RFGF, RFGK SERIES TXV
1. Place the valve into the system, orientated upright or on the side, but NOT upside-down
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2. For brazing install,
   a. Wrap a wet rag around the valve to cool the internals during the brazing process.
   b. Uncoil the sensing bulb and move it away from the valve during brazing.
   c. Flow nitrogen through the valve to ensure a clean environment and prevent oxidation.
   d. Use a 15% silver brazing alloy and keep the torch pointed away from the valve.
   e. While brazing, heat the system line first, minimizing the amount of time the torch is on the TXV’s connection.

3. For TXVs with threaded connections: Use a torque wrench to prevent leaks from over-tightening.

4. Clean a section of the suction line thoroughly for the sensing bulb. The bulb should be located on the suction line as close to the evaporator as possible and before the equalizer line. Never place a flame near the bulb location without first removing the bulb. Heating the bulb will over-pressurize the refrigerant inside the bulb and damage the TXV.

5. On adjustable TXVs, turning the adjusting stem will increase/decrease the superheat. Wait a minimum of 10 minutes between adjustments to avoid overshooting your target setting.

Torque:
- For TXVs with threaded connections: Use a torque wrench to prevent leaks from over-tightening.
  - 18 to 26 ft-lbs (25 to 35 N·m)
  - 9 to 12 ft-lbs (12 to 17 N·m)

Torque:
- For brazing install: 2.9 ft-lbs Max (4.0 N·m Max)

Torque: 10-15N.m
7.5 - 11.0 ft-lb