

Installation Instructions for Aspen TXV Retrofit Kit

NOTE TO THE INSTALLER: These instructions are for the use of qualified individuals trained and experienced in the installation of this type equipment and related components. Installation and service personnel are required by some states to be licensed. Persons not qualified should not install this equipment nor interpret these instructions. These instructions must be used only in conjunction with the installation of the Aspen TXV retrofit kit onto Aspen flowrater style coils and are intended only to advise and assist the installer. Read them fully before attempting retrofit.

WARNING: Improper installation may damage equipment, create a hazard, and void warranty. **NOTE:** Make sure the TXV valve selected is the same refrigerant type, R22 or R410a, as the outdoor unit. The stickers applied to the TXV kits are color-coded (pink for R-410a and green for R-22) to assist with proper selection of the kit.

DANGER: Be sure to release the nitrogen holding charge. Pressure may also be released through the service port if one is present. If no holding charge pressure is apparent, return coil to the distributor for exchange.

NOTE: To access the coil components where this retrofit occurs, it may be necessary to remove the access panels and slide the coil out of the housing.

INSTALLATION OF TXV

1. Disassemble flowrater body and remove piston using a small wire or pick. If piston is not removed, expansion valve will not operate properly.
2. Remove the TXV from box and note the location of the inlet side (threaded male port) and the outlet side (female swivel nut port).
3. Taking care that the white teflon seal is still in place inside the flowrater body, screw the female swivel nut onto the flowrater body.
4. Remove the additional white teflon seal ring from the kit box and place on the shoulder just inside the inlet port. Screw the nut attached to the stub-out portion of the flowrater body onto the inlet port of the TXV
5. Tighten all connections taking care to use proper back-up.

6. Mount TXV sensing bulb using the clamp in kit box at 4 or 8 o'clock on a horizontal plane of the suction line circumference on the downstream side of the coil, or in the case of fan coils, mount bulb a minimum of 18 inches from the coil. Be sure to fully insulate. Avoid overheating the sensing bulb during brazing by removing and re-installing the bulb or covering it with a wet cloth.

7. Avoid overheating the TXV body during brazing by pointing the flame away from the valve and wrapping the valve with a wet cloth.

INSTALLATION OF EQUALIZER TUBE WHEN SCHRADER VALVE SERVICE PORT IS PRESENT

1. Locate Schrader valve service port on top of the suction line manifold
2. Remove dust cap and valve core from Schrader valve if necessary.
3. Screw flare nut on end of TXV equalizer tube into Schrader valve using backup wrench. Do not over tighten.

INSTALLATION OF EQUALIZER TUBE WHEN NO SCHRADER VALVE SERVICE PORT IS PRESENT

1. Locate 1/4" process tube on top of the suction line manifold. (The process tube is the 2" long copper tube with the crimped and brazed end.)
2. Apply heat to remove process tube.
3. Remove the flare nut from the TXV equalizer tube.
4. Insert TXV equalizer tube approximately 3/8" into the hole and apply solder to seal.

COIL INSTALLATION

1. Re-assemble access door panels onto coil cabinet if applicable.
2. Place the pink sticker for R410a applications and the green sticker for R22 applications adjacent to Aspen model number on nameplate.
3. Install coil as you would any other from this point.