

# Installation Instructions for Aspen Orifice Retrofit

**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 Orifice retrofit kit onto Aspen flowrater style coils and are intended only to advise and assist the installer. Read them fully before attempting retrofit.

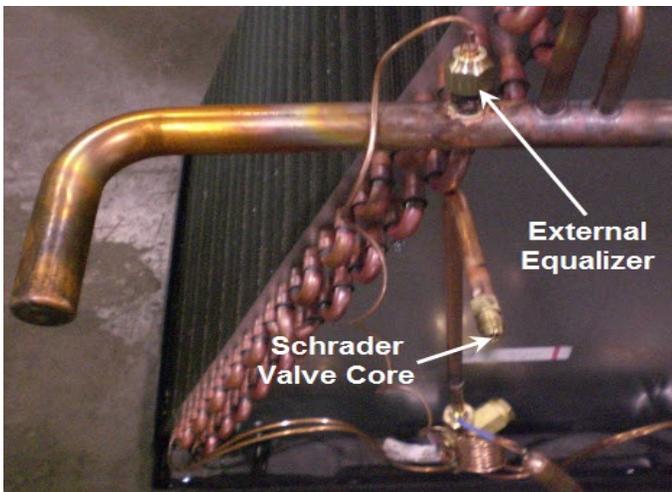
**WARNING:** Improper installation may damage equipment, create a hazard, and void warranty. **NOTE:** Make sure the Orifice selected is properly sized for the refrigerant type (See Table 1), R22 or R410a, as the outdoor unit. The stickers applied to the TXV kits and orifice are color-coded (pink for 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.

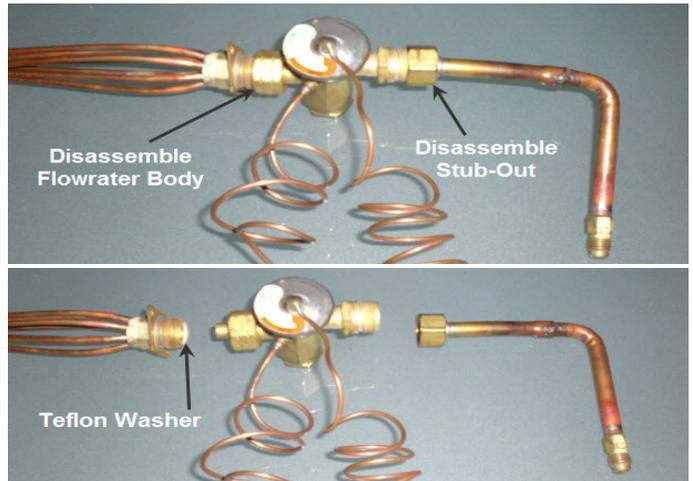
**NOTE:** To access the coil components where this retrofit occurs, it may be necessary to remove the access panels and slide the coil out of the housing.

## REMOVAL OF TXV:

1. Detach external equalizer, remove schrader valve core and place in valve body where external equalizer was detached. Place cap (not supplied) onto valve body.



2. Disassemble TXV from flowrater body and stub-out. Remove teflon washer.



3. Place Orifice into flowrater body with bullet end towards Distributor Tubes, place new Teflon Washer on the shoulder just inside the inlet port.



4. Screw the nut attached to the stub-out to the flowrater body.  
5. Tighten all connections taking care to use proper back-up.  
6. Place the pink sticker for R410a applications or the green sticker for R22 applications adjacent to Aspen model number on nameplate.



Table 1: Piston Size- Non TXV use

Tonnage	R22	(F)	R410A	(G)
	Orifice Sz	PART #	Orifice Sz	PART #
1.5T	0.055	3999	0.049	4006
2T	0.059	4000	0.055	3999
2.5T	0.068	3987	0.059	4000
3T	0.074	4001	0.068	3987
3.5T	0.080	3990	0.074	4001
4T	0.084	3991	0.080	3990
5T	0.092	3998	0.089	3960