

### Kit Contents

- 1 61-BFEXV-23 or 61-BFEXV-45 TEV
- 1 Set of Hardware for Mounting Sensing Bulb
- 2 Teflon Gaskets

**NOTE:** Valves have internal check and are applicable for heat pump installations. The valves are balanced port and factory-set to specific superheat and locked. The valve is not adjustable. A *Hard Start* is required if the existing system is not already equipped with one.

### Safety Instructions

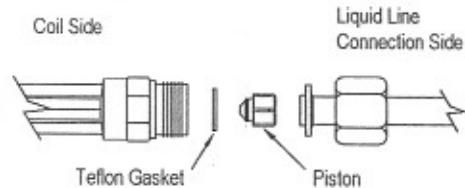
- Before opening any system, make sure the pressure in the system is brought to and remains at atmospheric pressure. System shall be properly evacuated to avoid foreign matter.
- Protect against excessive vibration to avoid tubing breaks.
- Use backup wrench on all wrench flats. Over-torque can result in valve damage and failure.
- Read installation instructions thoroughly. Failure to comply may result in valve failure, system damage, or personal injury.

### Installation Details

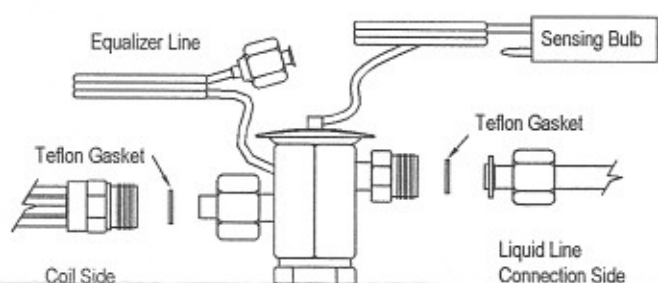
- Pump down / evacuate system.
- Separate the distributor to liquid line assembly and remove the piston and teflon gasket.
- Attach liquid line assembly along with a new teflon gasket to the inlet side (threaded) of the TEV. Attach new teflon gasket and outlet side (nozzle) of valve to coil distributor body.
- Remove cap from gage port atop suction line. If a valve stem exists, it also must be removed. Attach external equalizer line to gage port. Insure that the equalizer line is placed so that no oil trap is created.
- Strap the sensing bulb to the face of the suction line *between the equalizer port and the down stream side of the coil circuitry*. The valve and system will not operate properly if the bulb is placed other than indicated. Insure that the bulb is flush and does not cross coil circuitry. With strap centered on bulb, tighten so that the bulb is not moveable when a reasonable amount of hand force is applied.
- *Note: Sensing bulb is holding a charge; handle carefully. Down stream of coil circuitry is the manifold feeder tube(s) closest to the suction connection.*
- While using a back up wrench, torque all connections to 20 lbs. +/- 5.

### Read All Instructions Before Proceeding

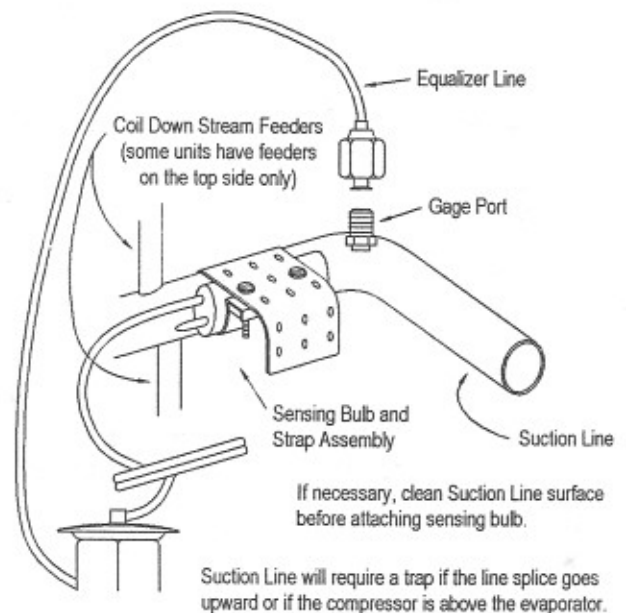
#### Remove Existing Piston and Teflon Gasket



#### Assemble Valve To Liquid and Distributor Connections



#### Attach Equalizer Line and Sensing Bulb



To achieve proper coil performance, system shall be charged to yield a suction line superheat of from 7° to 12° F.