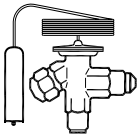


Selection and Installation Instructions



1. Select Valve Body

Select the valve body based on refrigerant and need for internal or external equalization using the table on the previous page under “Select Valve Body.”

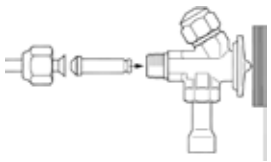
2. Select Orifice

T2/TE2 valve capacities are based on the installed orifice.
To select the correct size orifice, use one of the two methods using the “Select Orifice” section on the previous page.



3. Assemble Valve and Install into System

- Slide the orifice into the valve body and secure using liquid line flare nut
- Attach evaporator inlet or distributor assembly to valve outlet flare nut
- Tighten both flare nuts
 - Specification for inlet is 26–33 ft.-lbs
 - Specification for outlet is 37–52 ft.-lbs
- Secure sensing bulb with enclosed bulb strap to suction line. Bulb should be located between 1:00 and 4:00 on the tube, and the strap should be tight enough that no bulb movement is possible.
- Wrap included insulation tape beginning one inch before the bulb and overlapping each wrap, finishing one inch beyond the bulb on the other end.



4. Adjust Superheat

- Remove the cap
- Make superheat adjustments ¼ turn at a time (¼ turn ≈ 1.75 °F).
 - Turning clockwise increases superheat.
 - Turning counter-clockwise decreases superheat.
- Reinstall the cap



Easy to carry kits for truck stock

All T2/TE2 valve bodies and orifice featured on the next page and a hex key for superheat adjustment.

068Z7100

Both TUA/TUAE valve bodies and orifices and T2/TE2 and orifices plus gaskets for TUA/TUAE and a hex key for superheat adjustment.

068U7001

Kits are plastic cases with foam inserts, all valves and orifices, and instructions for selection and installation of the valves. Empty kits and foam available upon request.

Spare Parts and Accessories

Description	Danfoss Code No.
Bulb strap	068U3507

Selection and Installation Instructions

1. Select Valve Body

Select the valve body based on refrigerant and need for internal or external equalization using the table on the previous page under "Select Valve Body."



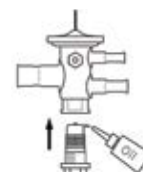
2. Select Orifice

1. Select one of ten orifices using the "Select Orifice" section on the previous page.
2. Prior to installing into system, verify that only mesh portions of the screen cover the orifice inlet.



3. Assemble Valve

1. Place one drop of refrigerant oil between the screen cage and the pushpin.
 2. Verify that the metal gasket is seated on the base of the orifice.
 3. Tighten orifice into valve (specification is 26–30 ft.-lbs.). In addition to eliminating leaks, proper torquing insures proper superheat control.
- Replace the metal washer/gasket that is mounted at the base of the orifice every time you change the orifice assembly or remove it from the valve body.



4. Braze Valve into System

1. Clean and insert copper tubing into appropriate connection on valve.
 2. Direct torch at copper tubing until it begins to color (10–15 seconds).
 3. Briefly direct torch on valve connection (2–5 seconds).
 4. Apply brazing alloy until it flows.
Do not try to fill the ridge. Attempts to do so may clog the connector.
- Sweat connections using any common brazing alloy (minimum 5% silver, recommended 15% silver). As internal connector surface is copper, connections are copper to copper, and there is no need for use of high content silver solder or flux.
- **NO WET WRAP REQUIRED**
5. Secure sensing bulb with enclosed bulb strap to suction line. Bulb should be located between 1:00 and 4:00 on the tube, and the strap should be tight enough that no bulb movement is possible.
 6. Wrap included insulation tape beginning one inch before the bulb and overlapping each wrap, finishing one inch beyond the bulb on the other end.

5. Adjust Superheat

1. Remove the cap with a $\frac{5}{32}$ inch hex key.
 2. Make superheat adjustments $\frac{1}{4}$ turn at a time ($\frac{1}{4}$ turn $\approx 1^\circ\text{F}$).
 - Turning clockwise increases superheat.
 - Turning counter-clockwise decreases superheat.
 3. Reinstall the cap.
- Expansion valves on low temperature systems may require minor adjustment as the factory setting is for medium temperature systems.



Easy to carry kits for truck stock

All TUA/TUAE valve bodies and orifice featured on the next page and a hex key for superheat adjustment.

068U7000

Both TUA/TUAE valve bodies and orifices and T2/TE2 and orifices plus gaskets for TUA/TUAE and a hex key for superheat adjustment.

068U7001

Kits are plastic cases with foam inserts, all valves and orifices, and instructions for selection and installation of the valves. Empty kits and foam available upon request.

Spare Parts and Accessories

Description	Danfoss Code No.
Bulb strap	068U3507
Metal Gasket (24 pcs)	068U0015
Filter for orifices 0–4 (clear, 24 pcs)	068U1706
Filter for orifices 5–9 (blue, 24 pcs)	068U0016