

Installation guide

# Thermostatic expansion valves

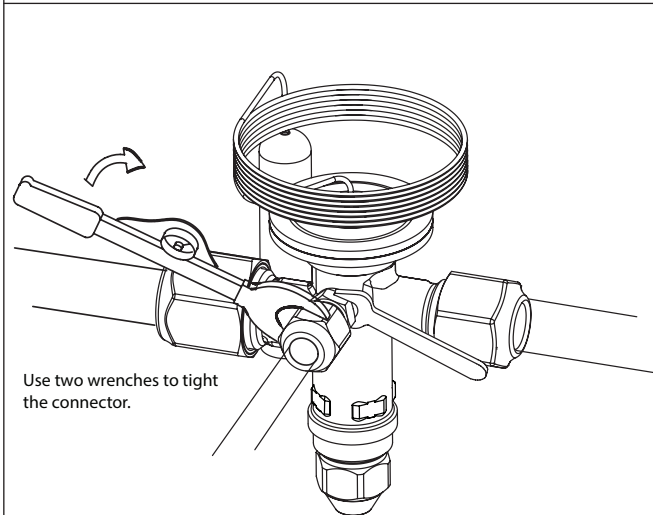
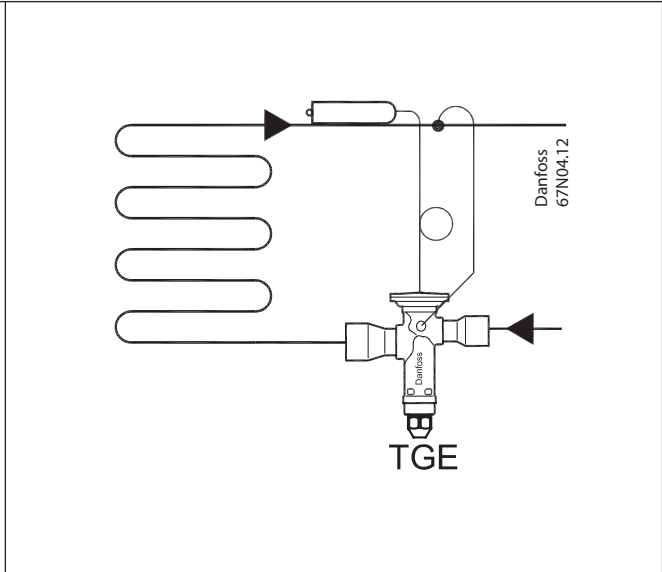
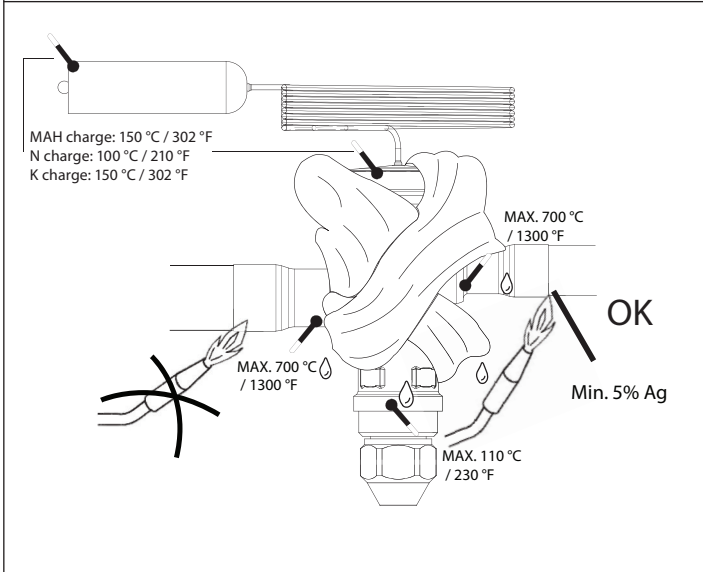
## Type TGE 10, TGE 20 and TGE 40

067R9603

067R9603

|                                                                                                                                                                  |                                                                     |                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------|
| <p><b>Refrigerants:</b><br/>See product label For all approved list of refrigerants, visit <a href="http://store.danfoss.com/">http://store.danfoss.com/</a></p> | <p><b>Max. working pressure:</b><br/>PS/MWP = 49 bar / 711 psig</p> | <p><b>Max. test pressure:</b><br/>P<sub>test</sub> = 54 bar/ 783 psig</p> |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------|

**!** Note: Applicable to A1, A2, A2L and A3 refrigerants as accepted by Danfoss, excluding R717 and to non-corrosive gases/liquids dependent on sealing material compatibility. The design pressure shall not be less than the value outlined in section 9.2 of ANSI/ ASHRAE 15 for the refrigerant used in the system.



| Connections<br>Flare/MIO/ORFS | Max. torque                   |            |       |            |        |            |              |
|-------------------------------|-------------------------------|------------|-------|------------|--------|------------|--------------|
|                               | Inlet x Outlet x Equalization |            | Inlet |            | Outlet |            | Equalization |
| [Inch]                        | [Nm]                          | [ft - lbs] | [Nm]  | [ft - lbs] | [Nm]   | [ft - lbs] |              |
| 3/8 x 1/2 x 1/4               | 40                            | 30         | 55    | 40         | 18**   | 13**       |              |
| 1/2 x 5/8 x 1/4               | 80                            | 59         | 100   | 74         | 18**   | 13**       |              |
| 5/8 x 3/4 x 1/4               | 85                            | 63         | 110*  | 81*        | 18**   | 13**       |              |

\* 70Nm/52ft-lbs when use one wrench to tight  
\*\* 10Nm/7ft-lbs when use one wrench to tight

