

Installation guide

Thermostatic expansion valves

Type TGE 10, TGE 20 and TGE 40

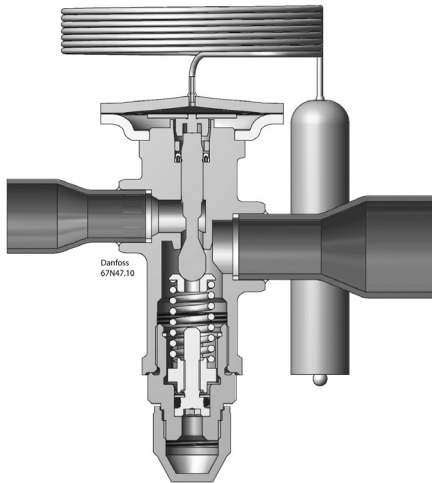
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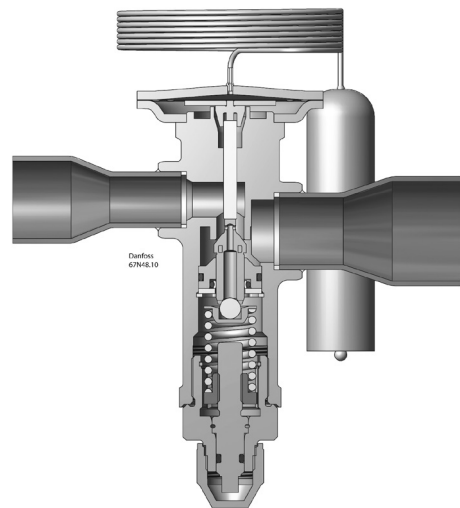
<p>Refrigerants: R410A, R32, R452B, R454B, R22, R134a, R1234ze, R407F, R407A, R404A, R507, R407C and R290 For complete list of approved refrigerants, go to www.danfoss.com</p>	<p>Max. working pressure: PS/MWP = 46 bar / 667 psig</p>	<p>Max. test pressure: P_{test} = 51 bar / 740 psig</p>
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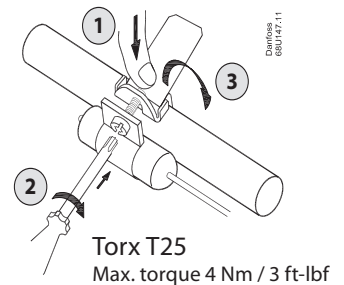
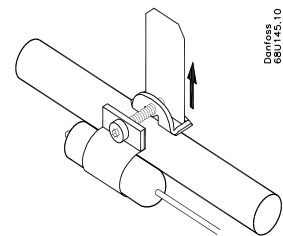
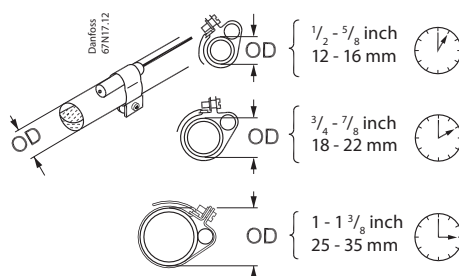
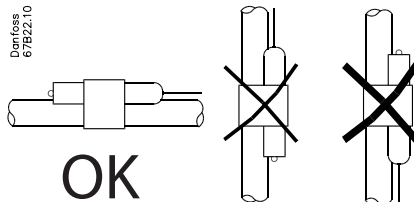
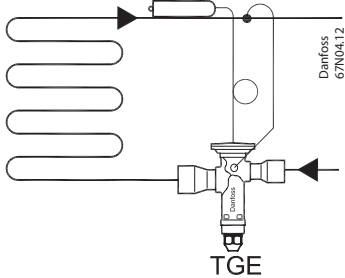
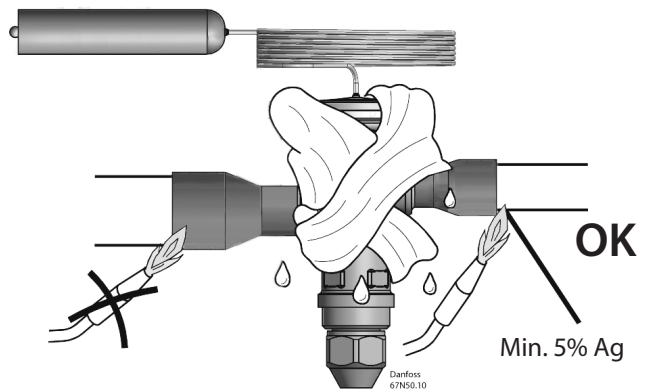
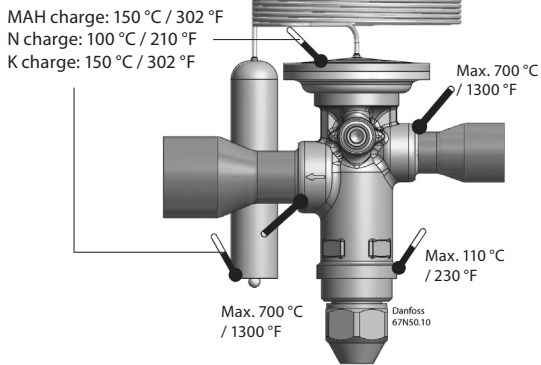
Note: Only solder version, connection sizes 28 mm / 1 1/8 inch and below are approved for flammable refrigerants. This product is approved for R290 by ignition source assessment in accordance to standard EN13463-1.

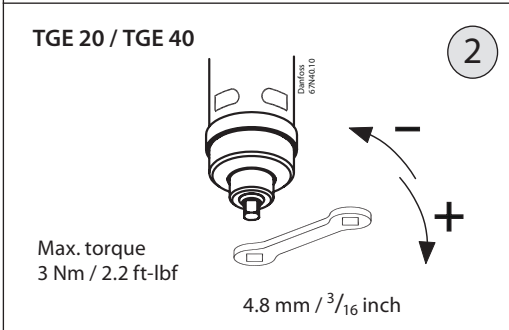
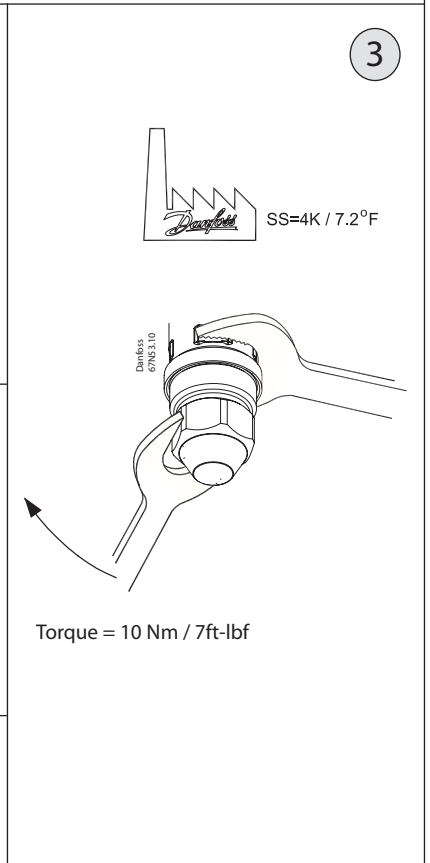
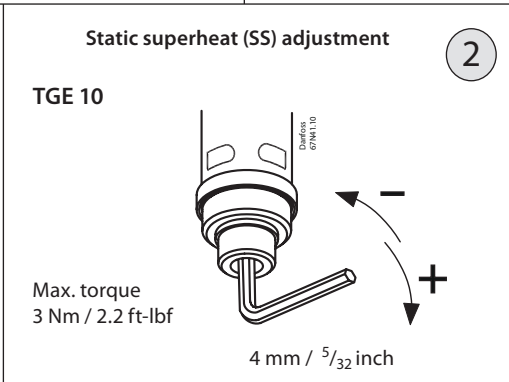
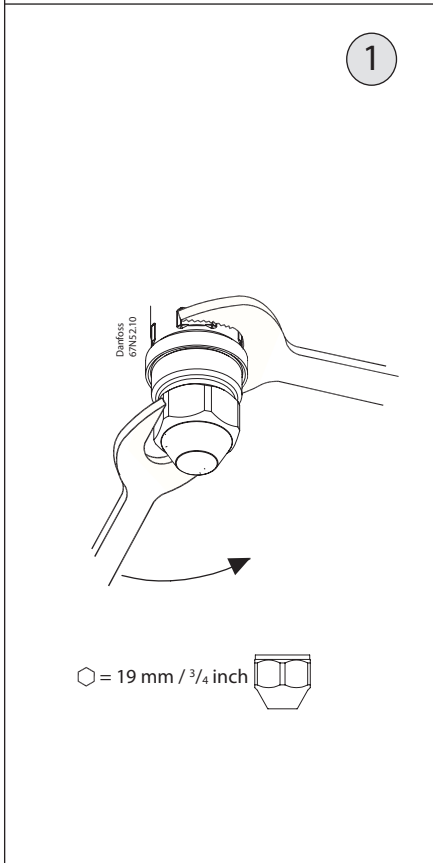
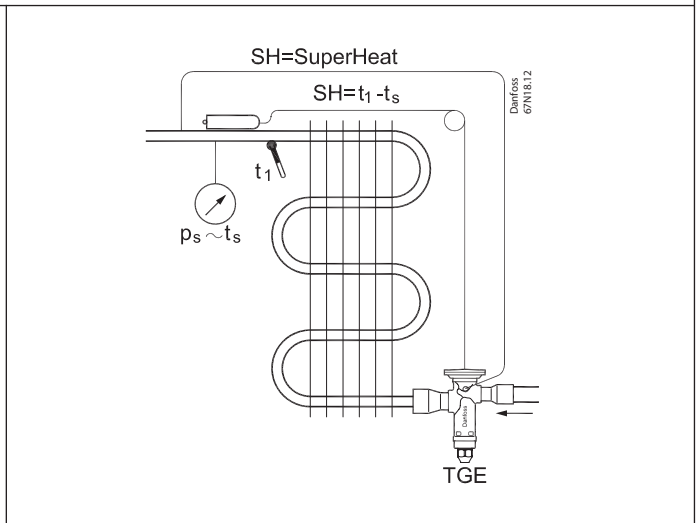
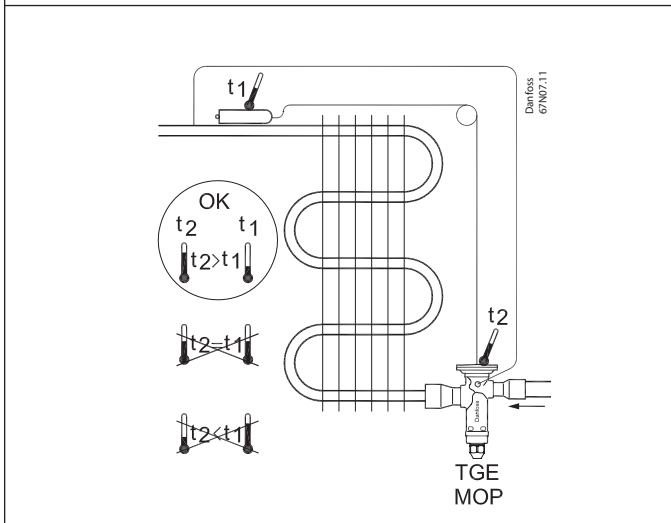
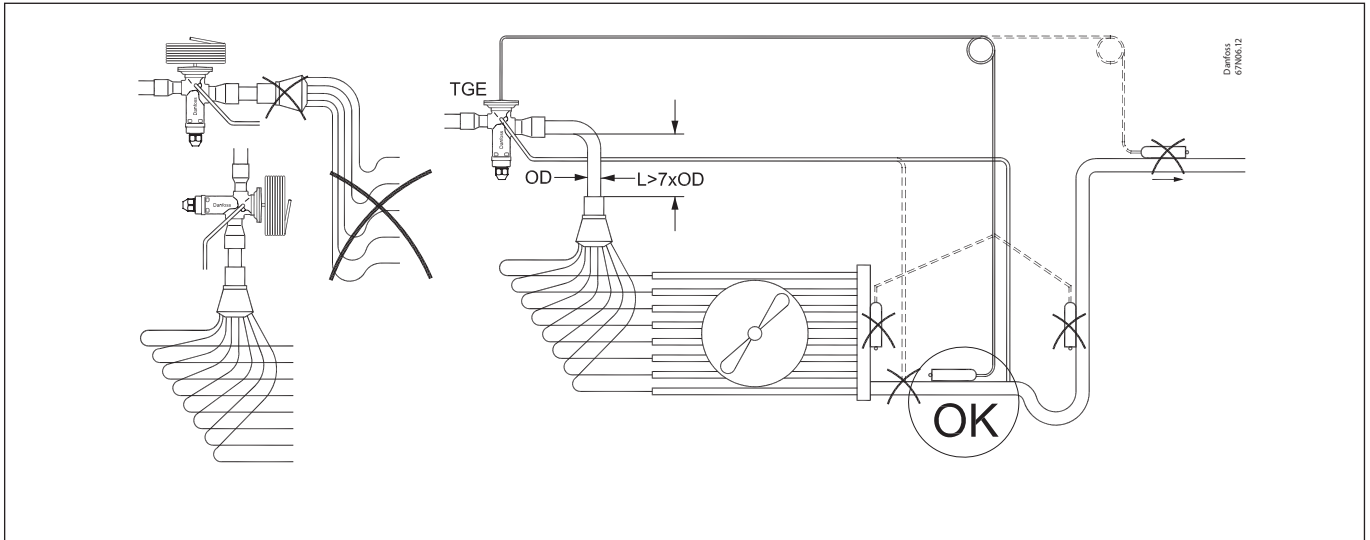


TGE 10 Balanced port design



TGE 20 / TGE 40 Double balanced port design





TGE 10:	$\Delta SH/360^\circ C \approx 1^\circ C / 1.8^\circ F$
TGE 20:	$\Delta SH/360^\circ C \approx 1.5^\circ C / 2.7^\circ F$
TGE 40:	$\Delta SH/360^\circ C \approx 1.5^\circ C / 2.7^\circ F$