

Installation guide

Thermostatic expansion valve

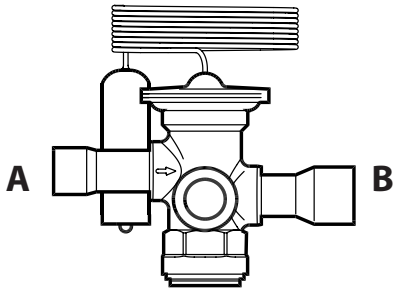
Type TR6

067R9508

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Refrigerants:
R22/R407C, R410A, R32 and R454B

Max. working pressure:
PS / MWP = 49 bar / 711 psig



Fixed setting

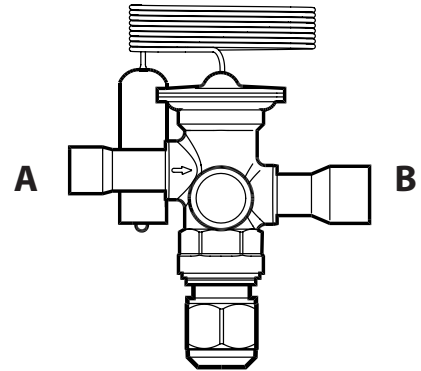
Flow direction:

→
Normal: A → B

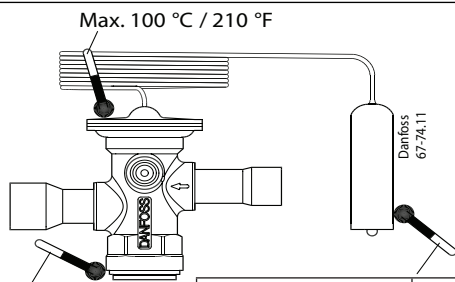
←
Reverse: B → A

$Q_{nom. A \rightarrow B}$ [kW / TR] = 100%

$Q_{nom. B \rightarrow A}$ [kW / TR] = 80%

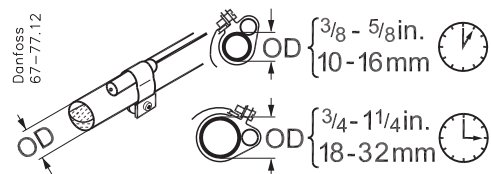
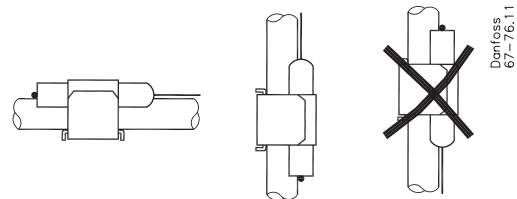
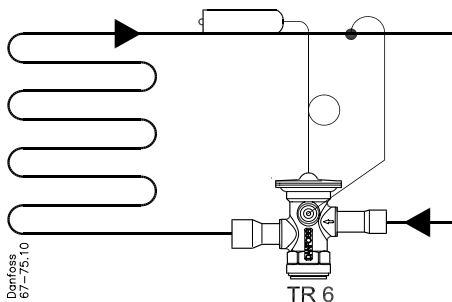
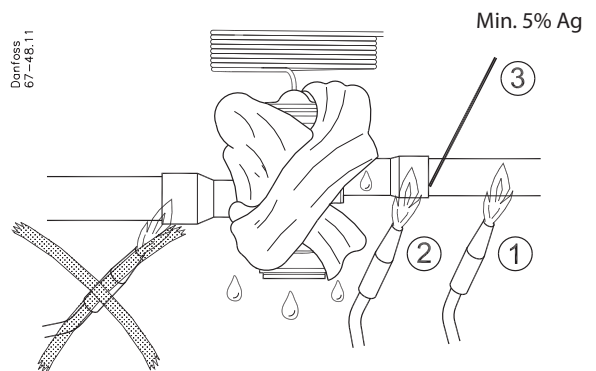


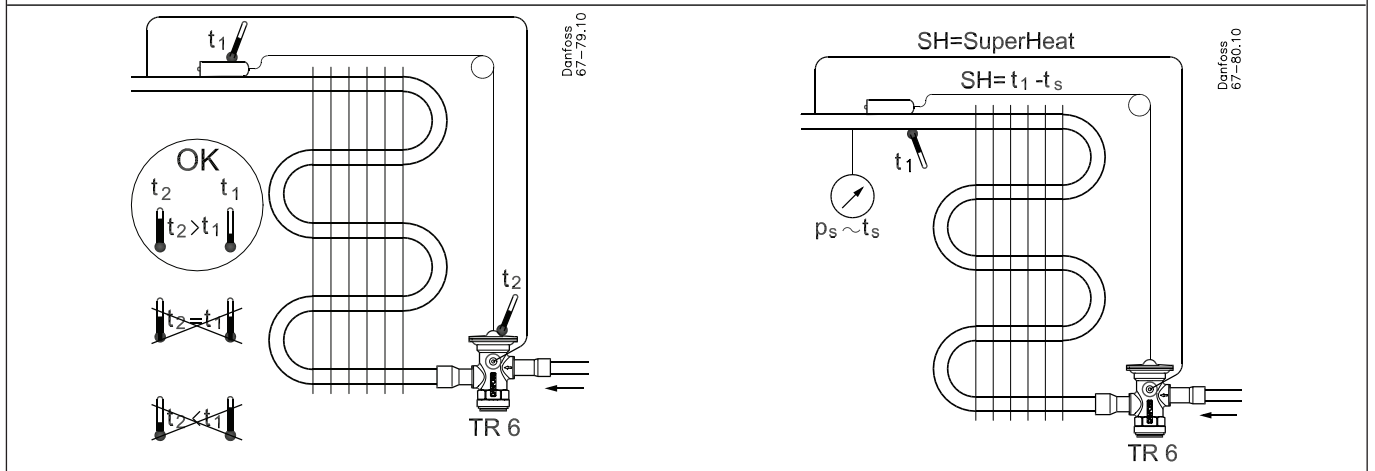
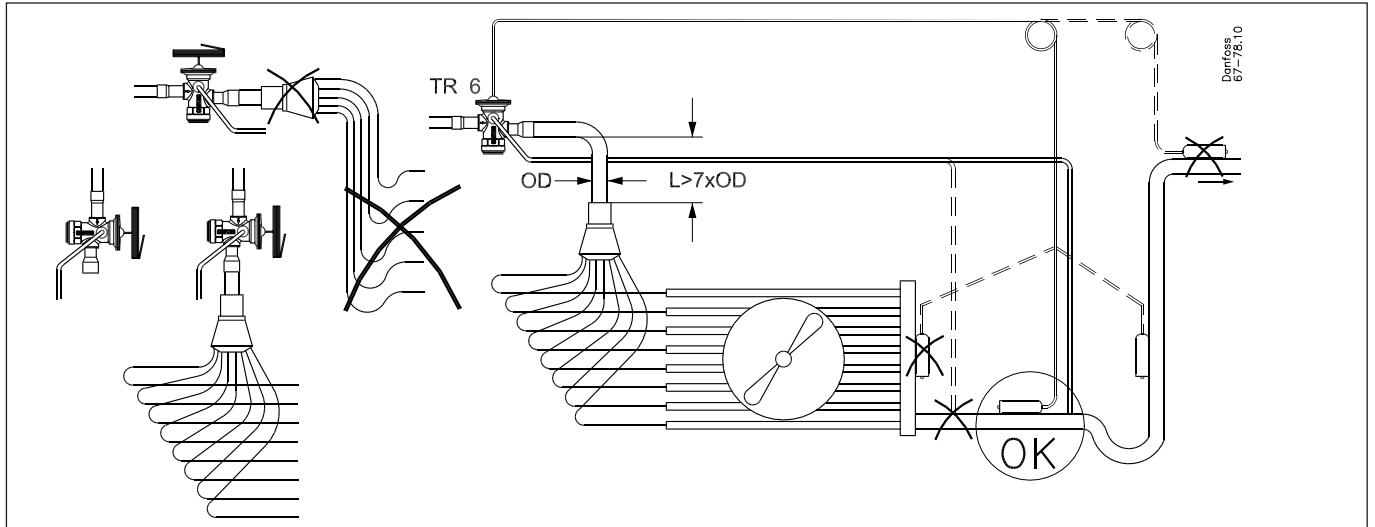
Adjustable setting



| TR6 Model | Maximum sensor temperature limits |
|-------------------------|-----------------------------------|
| Multi-refrigerant valve | 80 °C / 176 °F |
| R410A LAH | 120 °C / 248 °F |
| R32 LAH | 120 °C / 248 °F |
| R454B LAH | 115 °C / 239 °F |
| R22 / R407C MAH | 100 °C / 212 °F |
| R410A MAH | 75 °C / 167 °F |

Short-lived peak 150 °C / 300 °F





| TR6 Model | Factory set point | Recommended adjustment range | | Setting change per turn |
|---|--|--|--|-------------------------|
| | | Turns from factory setting to tight spring ⬆️ | Turns from factory setting to loose spring ⬆️ | SH / 1 turn / 360° |
| Multi-refrigerant valve R454B / R410A / R32 LAH | 3 K / 5.4 °F for R454B application. See Note 1 | +4 | -5.5 | 1.2 °C / 2.2 °F |
| R454B LAH | 3 K / 5.4 °F | +4 | -4.25 | 1.3 °C / 2.3 °F |
| R32 LAH | 3 K / 5.4 °F | +5.25 | -3.5 | 1.4 °C / 2.5 °F |
| R410A LAH | 3 K / 5.4 °F | +4.75 | -4 | 1.4 °C / 2.5 °F |
| R410A MAH | 3 K / 5.4 °F | +9.5 | -2 | 0.8 °C / 1.4 °F |
| R22 / R407C MAH | 4 K / 7.2 °F | +7.25 | -4.25 | 1.0 °C / 1.8 °F |

**or according customer specifications

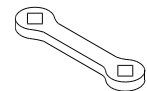
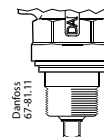
Note 1

Multi-refrigerant Valve (R454B/ R32/ R410A LAH) requires pre-adjustment for R32 & R410A applications:

Valve preset for R454B application

Required Pre-adjustment for:
R410A 2 1/2 turns 360°
R32 3 turns 360°

Further adjustment may be needed based on system operating superheat



Hex = 19 mm / 3/4 in.

Torque = 10 Nm / 7 ft-lb

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