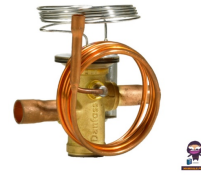


Danfoss TR6 Thermostatic Expansion Valve Type



# Danfoss TR6 Thermostatic Expansion Valve Type Installation Guide

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**Danfoss TR6 Thermostatic Expansion Valve Type**



## Product Information

### Specifications:

- **Product Name:** Thermostatic Expansion Valve Type TR6
- **Refrigerants:** R22/R407C, R410A, R32, and R454B
- **Max. Working Pressure:** 49 bar / 711 psig
- **Flow Direction:** A to B (Normal), B to A (Reverse)
- **Qnom. A to B [kW / TR]:** 100%
- **Qnom. B to A [kW / TR]:** 80%
- **Adjustable Setting:** Min. 5% Ag
- **Connection Size:** 19 mm / 3/4 in.
- **Torque:** 10 Nm / 7 ft-lb

## Product Usage Instructions

### Fixed Setting:

For normal flow direction (A to B), ensure that the valve is set to position A. For reverse flow direction (B to A), adjust the valve to position B.

### Adjustable Setting:

To adjust the valve, turn the specified number of turns from the factory setting based on the refrigerant being used. Refer to the table for the number of turns required for each refrigerant type.

### Installation:

1. Ensure proper flow direction as per application requirements.
2. Connect the valve using the specified connection size.
3. Apply the recommended torque for tightening the valve.

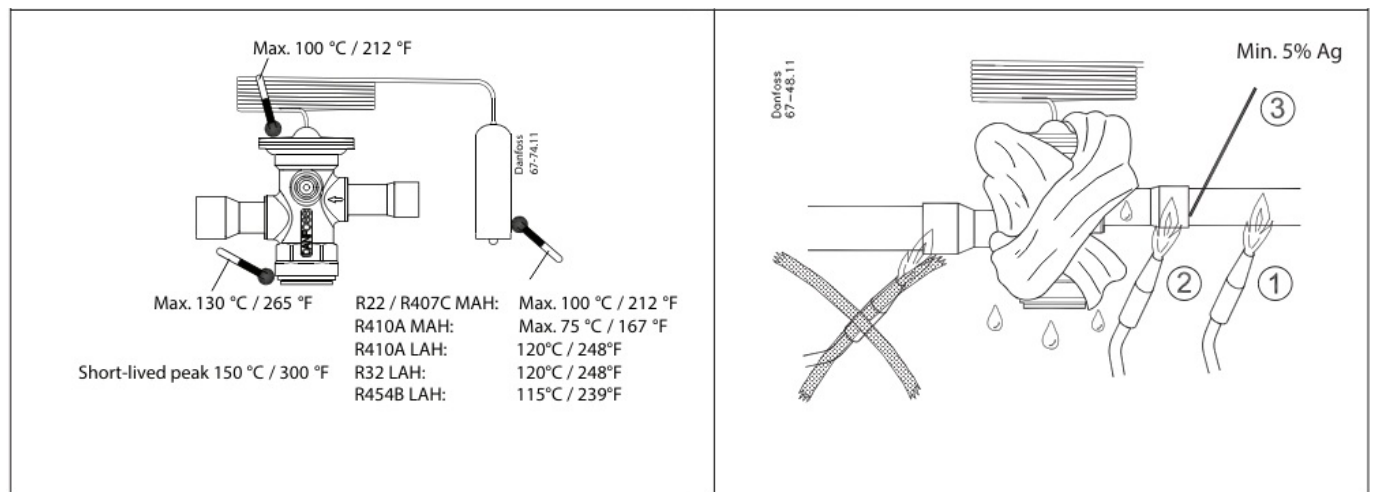
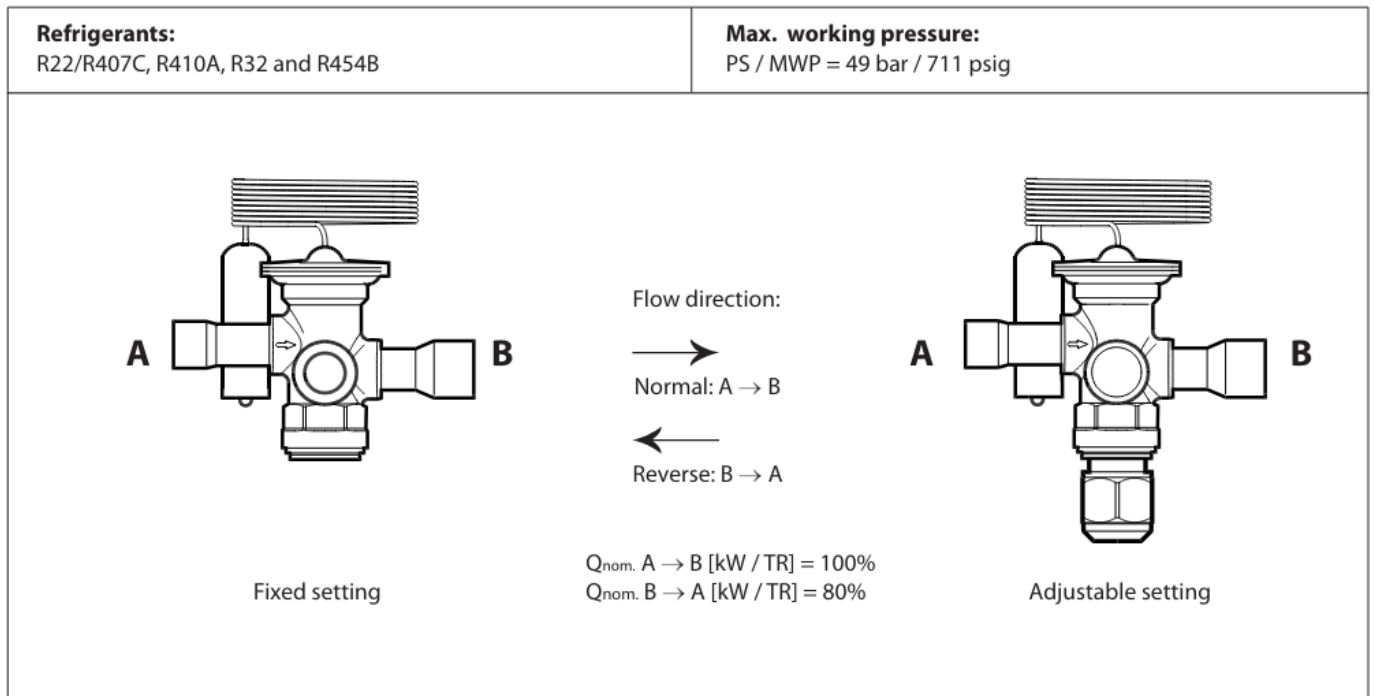
### Factory Settings:

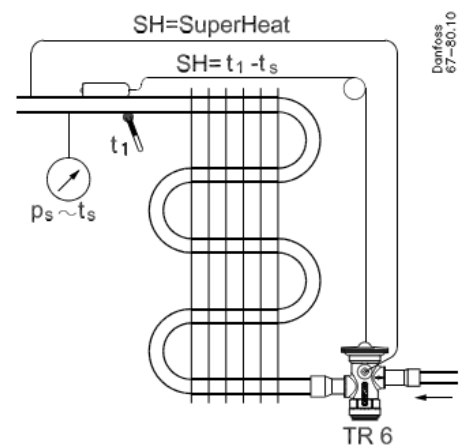
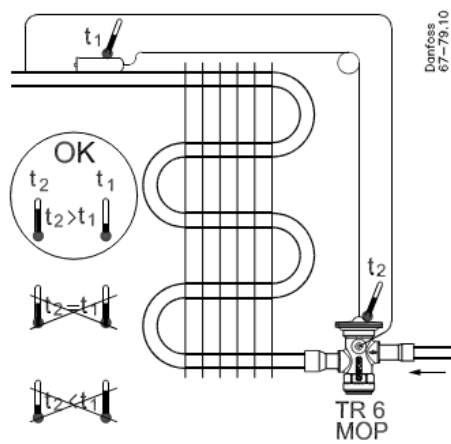
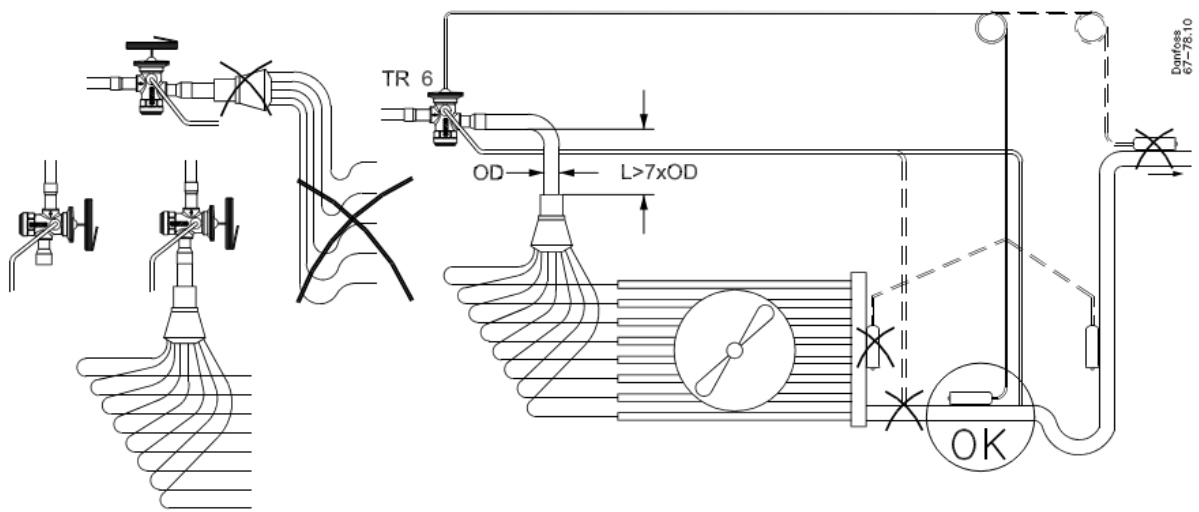
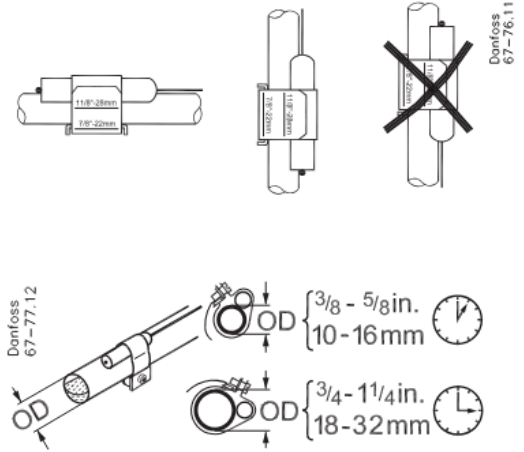
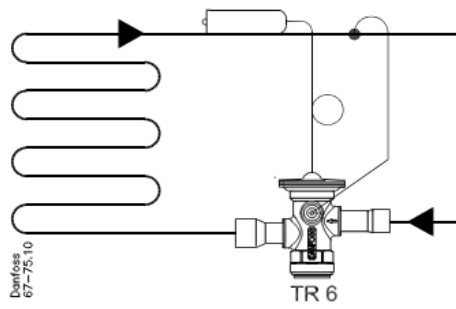
The factory settings for different refrigerants are as follows:

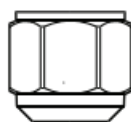
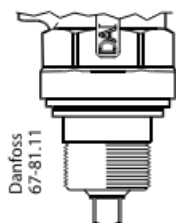
- R22/R407C MAH SS = 4 K or customer specification
- R410A MAH & LAH SS = 3 K or customer specification
- R32 LAH SS = 3K or customer specification
- R454B LAH SS = 3K or customer specification

## Installation

Thermostatic expansion valve  
Type TR6

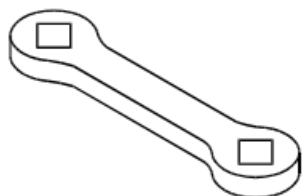






= 19 mm /  $\frac{3}{4}$  in.

Torque = 10 Nm / 7 ft-lb



$\Delta$  SH / 1 turn / 360°  $\approx$

R22 / R407C MAH: 1.0 °C / 1.8 °F

R410A MAH: 0.8 °C / 1.1 °F



R410A LAH: 1.4 °C / 2.5 °C

R32 LAH: 1.4 °C / 2.5 °C

R454B LAH: 1.3 °C / 2.3 °F

## Factory setting

- R22/R407C MAH  
SS = 4 K or according to customer specification
- R410A MAH & LAH  
SS = 3 K or according to customer specification
- R32 LAH  
SS: 3K or according to customer specification
- R454B LAH  
SS: 3K or according to customer specification

Refrigerant	Number of turns from SS to <b>tight</b> spring 	Number of turns from SS to <b>loose</b> spring 
R22 / R407C MAH	+7.25	-4.25
R410A MAH	+9.5	-2
R410A LAH	+4.75	-4
R32 LAH	+5.25	-3.5
R454B LAH	+4	-4.25

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## Frequently Asked Questions (FAQ)

**Q:** What is the maximum working pressure of the valve?

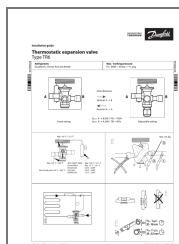
**A:** The maximum working pressure is 49 bar / 711 psig.

**Q:** How do I know which setting to use for a specific refrigerant?

**A:** Refer to the factory settings provided in the manual or consult with a professional for guidance based on the refrigerant type.

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## Documents / Resources



[Danfoss TR6 Thermostatic Expansion Valve Type](#) [pdf] Installation Guide  
TR6 Thermostatic Expansion Valve Type, Thermostatic Expansion Valve Type, Expansion Valve Type, Valve Type, Type

## References

- [User Manual](#)

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