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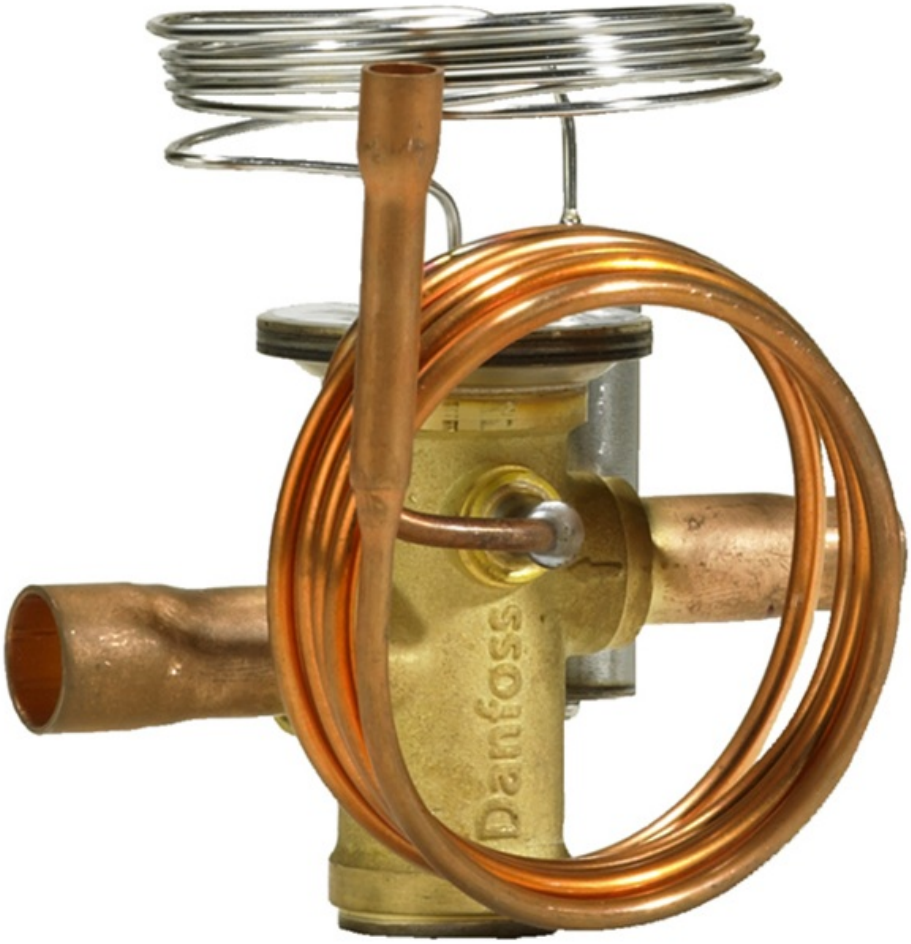
Danfoss TR6 Universal Thermostatic Expansion Valve



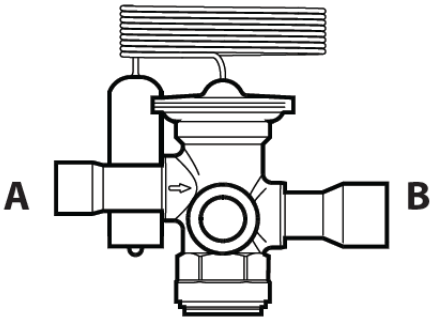
Specifications

- **Thermostatic expansion valve Type:** TR6
- **Refrigerants:** R22/R407C, R410A, R32, and R454B
- **Max. working pressure:** 49 bar / 711 psig
- **Flow direction:** A -> B (Normal), B -> A (Reverse)
- **Fixed setting:** Qnom. A -> B = 100% Qnom. B -> A = 80%
- **Adjustable setting:** Min. 5% Ag
- **Valve Size:** 19 mm / 3/4 in.
- **Torque:** 10 Nm / 7 ft-lb

INSTALLATION

Refrigerants: R22/R407C, R410A, R32 and R454B

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

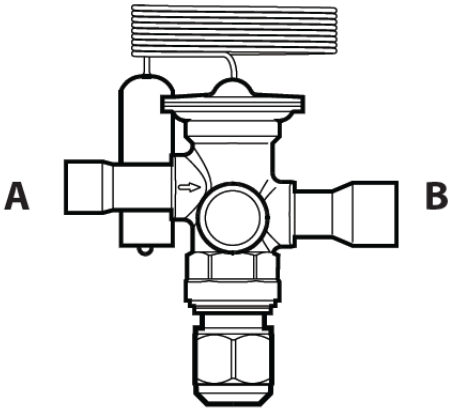


Flow direction:

Normal: A → B

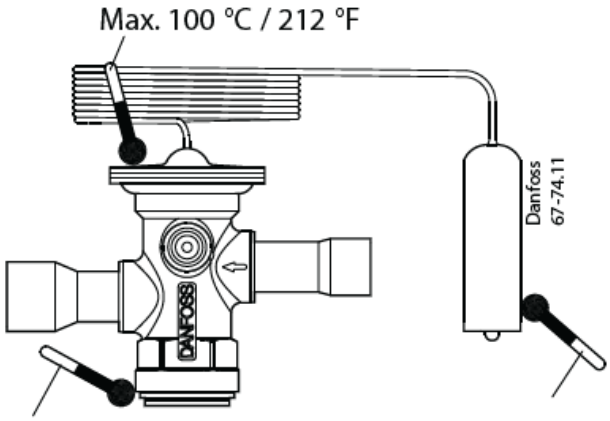
Reverse: B → A

$Q_{nom.}$ A → B [kW / TR] = 100%
$Q_{nom.}$ B → A [kW / TR] = 80%



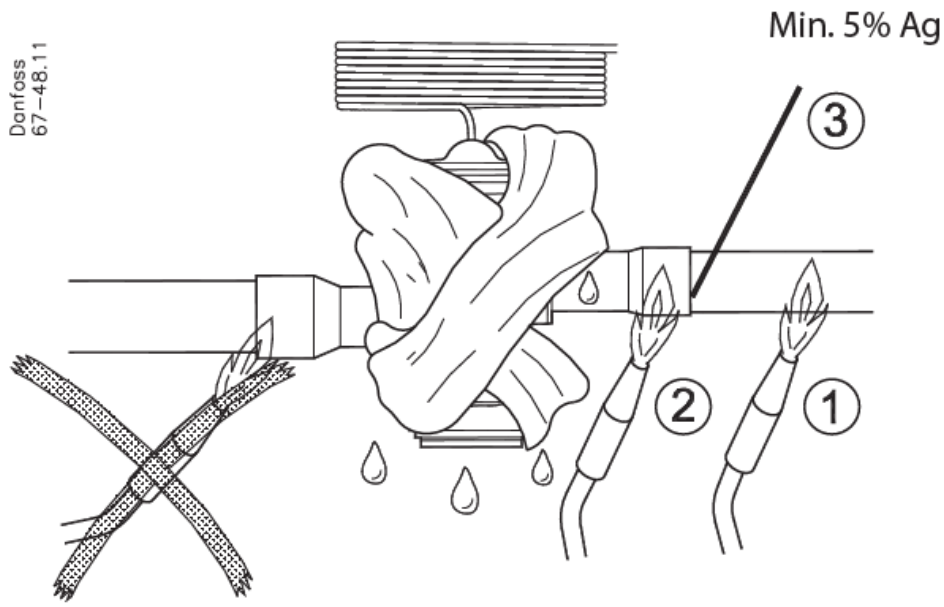
Fixed setting

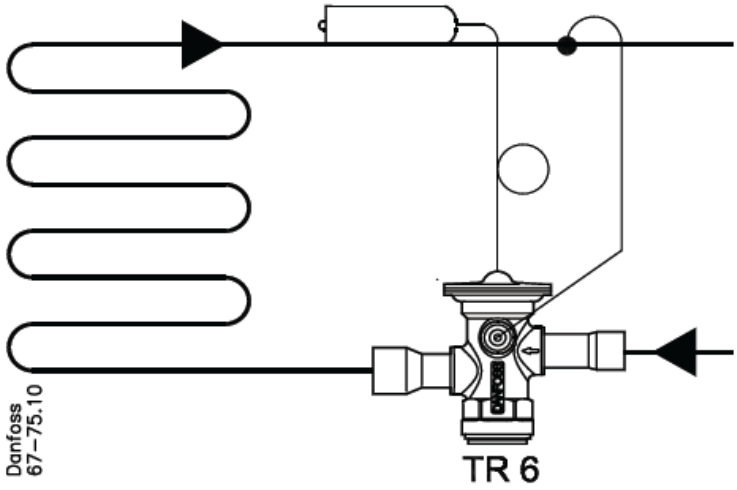
Adjustable setting

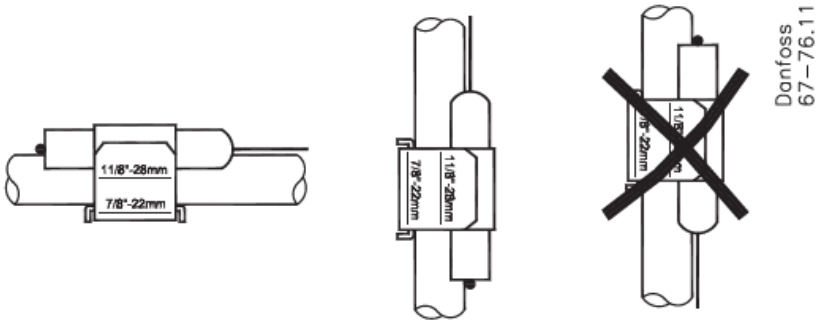


Short-lived peak 150 °C / 300 °F

R22 / R407C MAH:	Max. 100 °C / 212 °F
R410A MAH:	Max. 75 °C / 167 °F
R410A LAH:	Max. 120°C / 248°F
R32 LAH:	Max. 120°C / 248°F
R454B LAH:	Max. 115°C / 239°F




Danfoss
67–75.10
TR 6


11/8"-28mm
7/8"-22mm
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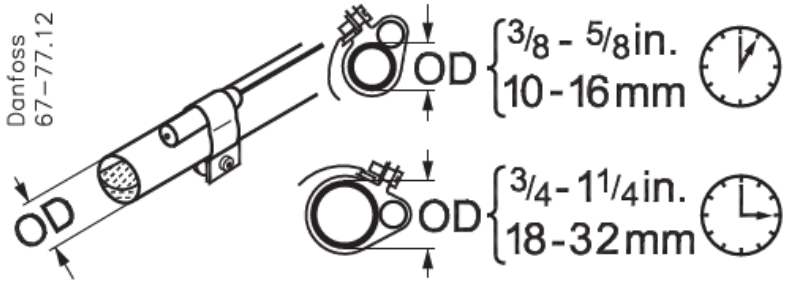
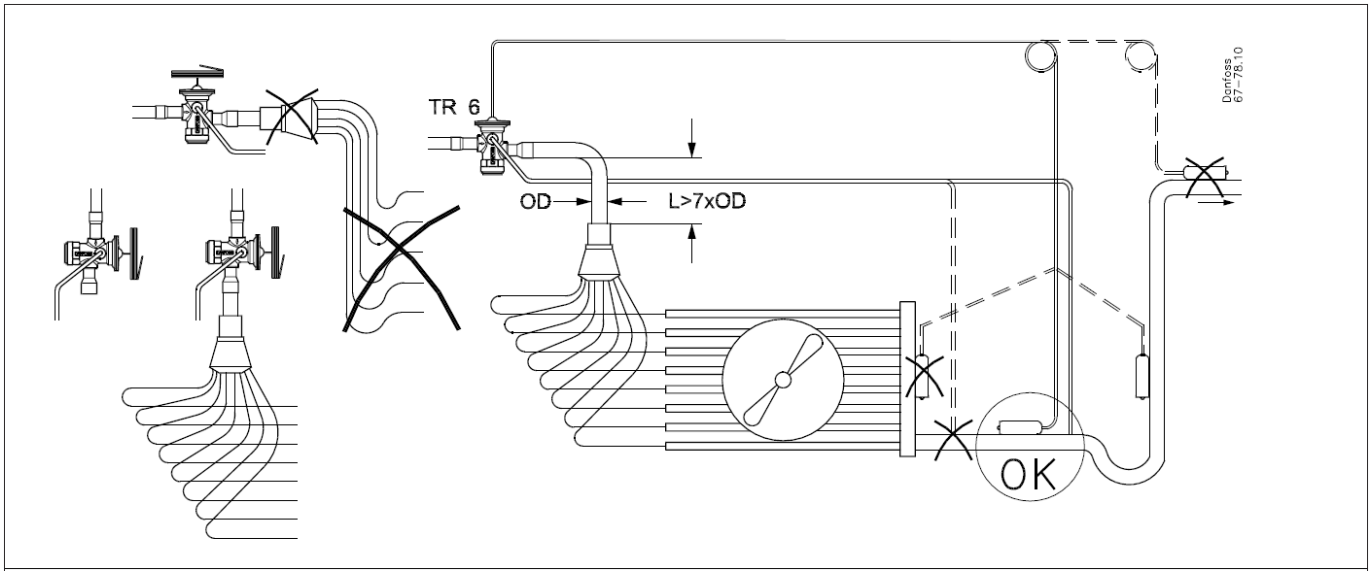
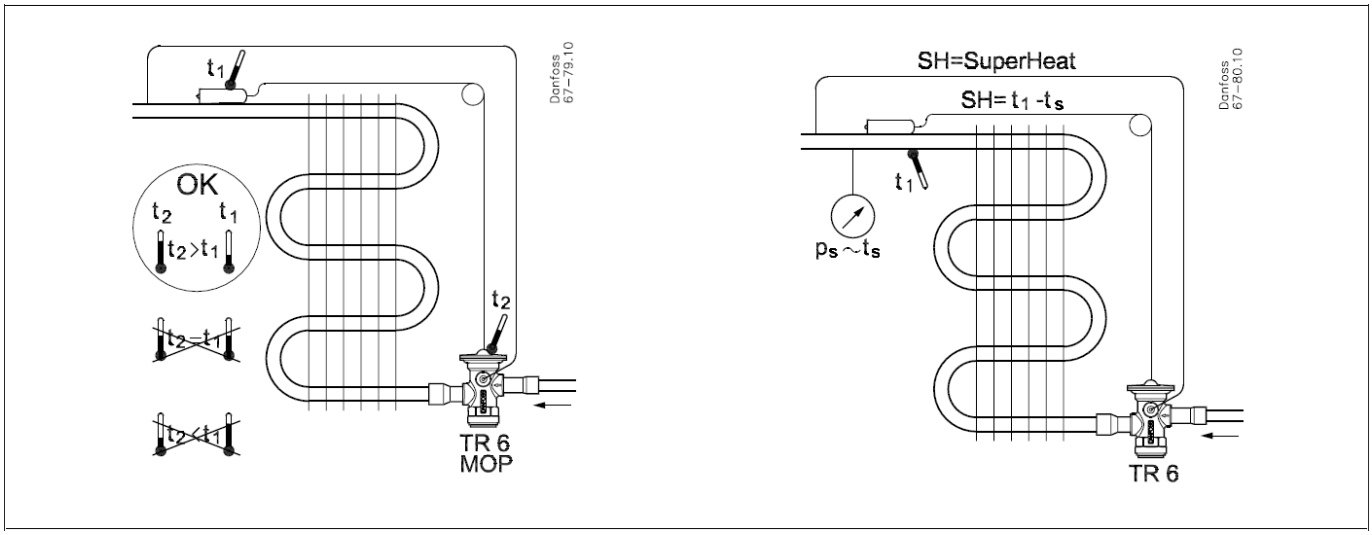
67–76.11


Danfoss
67–77.12
OD
OD
3/8 - 5/8in.
10-16mm
OD
3/4-1 1/4in.
18-32mm


TR 6
OD
L>7xOD
OK
Danfoss
67–76.10



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 **tight** spring +	Number of turns from SS to **loose** 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

CONTACT INFORMATION

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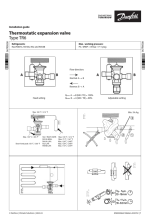
FAQs

- **Q: What is the maximum working pressure of the valve?**
  - **A:** The maximum working pressure is 49 bar / 711 psig.
- **Q: How do I adjust the valve for different refrigerants?**
  - **A:** Follow the specified number of turns from SS to tight/loose spring according to the refrigerant type as mentioned in the manual.

Documents / Resources

	Danfoss TR6 Universal Thermostatic Expansion Valve [pdf] Installation Guide 067R9508, 067R9508, TR6 Universal Thermostatic Expansion Valve, TR6, Universal Thermostatic Expansion Valve, Thermostatic Expansion Valve, Expansion Valve

References

- User Manual

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067R9508, Danfoss, Expansion Valve, Thermostatic Expansion Valve, TR6, TR6 Universal Thermostatic Expansion Valve, Universal Thermostatic Expansion Valve

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