



Simplify your stock While increasing energy efficiency

The Danfoss Universal TR 6 thermostatic expansion valve (TXV) is available in seven models that cover original equipment manufacturer (OEM) air-conditioner

and heat pump designs, from 1½ to 6 tons in R-22 and R-410A systems.

10-45%

efficiency upgrade

Experience significant savings when switching from a fixed orifice to a TXV.

Universal

OEM replacement

Seven TR 6 kits can replace most residential air-conditioning and heat pump TXVs.



Scan here for videos on Danfoss
thermostatic expansion valves

www.danfoss.us

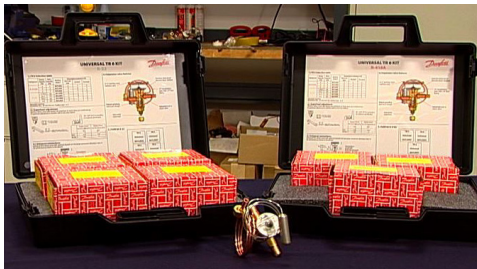


Danfoss Universal TR 6 Expansion Valve Kit

Kit includes:

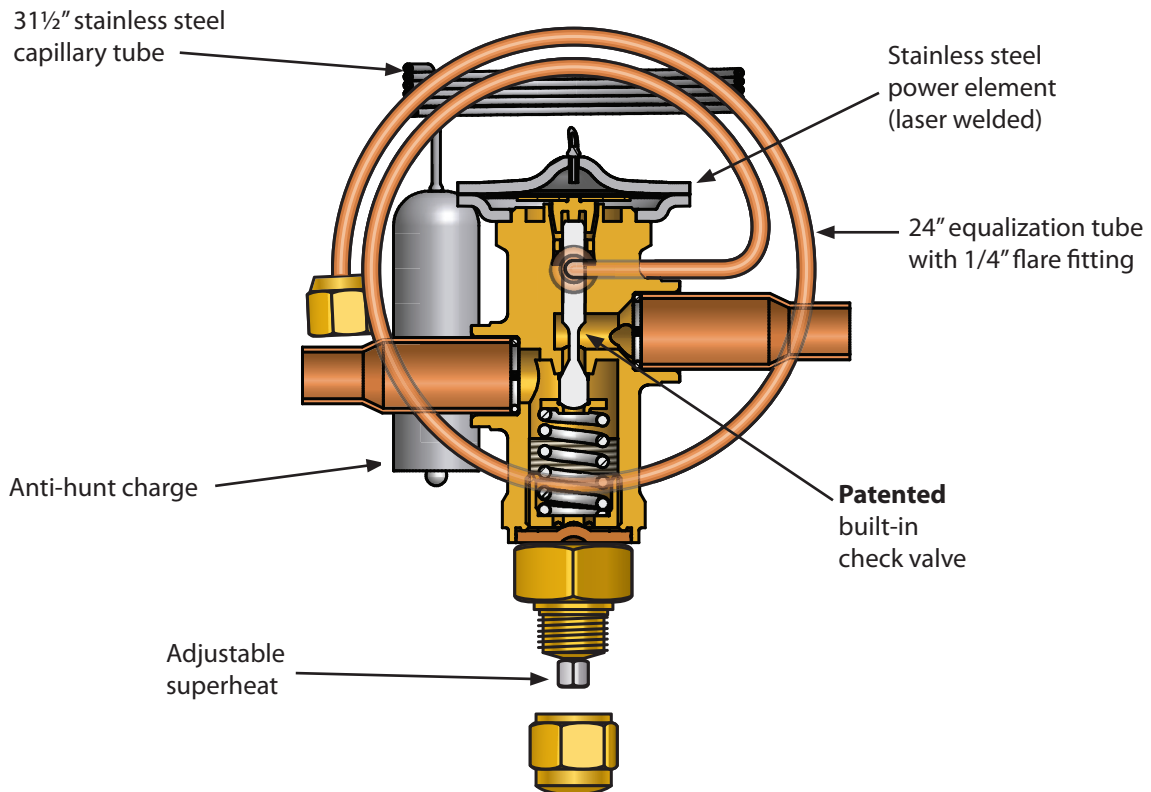
- Valve with $\frac{3}{8}$ " x $\frac{3}{8}$ " ODF connections, 24" equalization line and 31½" capillary tube
- Chatleff and Aeroquip adapters
- Built-in check valve for heat pumps
- 35" foam insulating tape
- **Patented** easy secure copper bulb strap
- Instructions

Refrigerant	System Capacity (tons)	Danfoss Part No.	TR 6 Minimizer Kits
R-410A	1 ½-3	067L5955	TR6-MMK4
	3 ½-4	067L5956	
	4 ½-5	067L5957	
R-22	1 ½-2	067L5856	TR6-MMK2
	2 ½-3	067L5857	
	3 ½-4	067L5858	
	5-6	067L5859	



Always have the TXV you need on hand!

Danfoss offers two convenient Minimizer Kits that contain all of the TXV's listed above.



<http://NAMAaftermarket.danfoss.com>

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Universal TR 6 Kit for Air Conditioning

Upgrade for energy savings!

- Patented, internal check valve
- For air conditioning and heat pump systems
- A complete kit — easily retrofit existing systems
- 3 connection options in every kit
 - 3/8" x 3/8" ODF
 - Chatleff
 - Aeroquip
- Adjustable superheat
- Anti-hunt sensing bulb
- Stainless steel power head, laser welded
- Stainless steel cap tube resists vibration
- R-22 and R-410A versions



Danfoss Universal TR 6 A/C kit

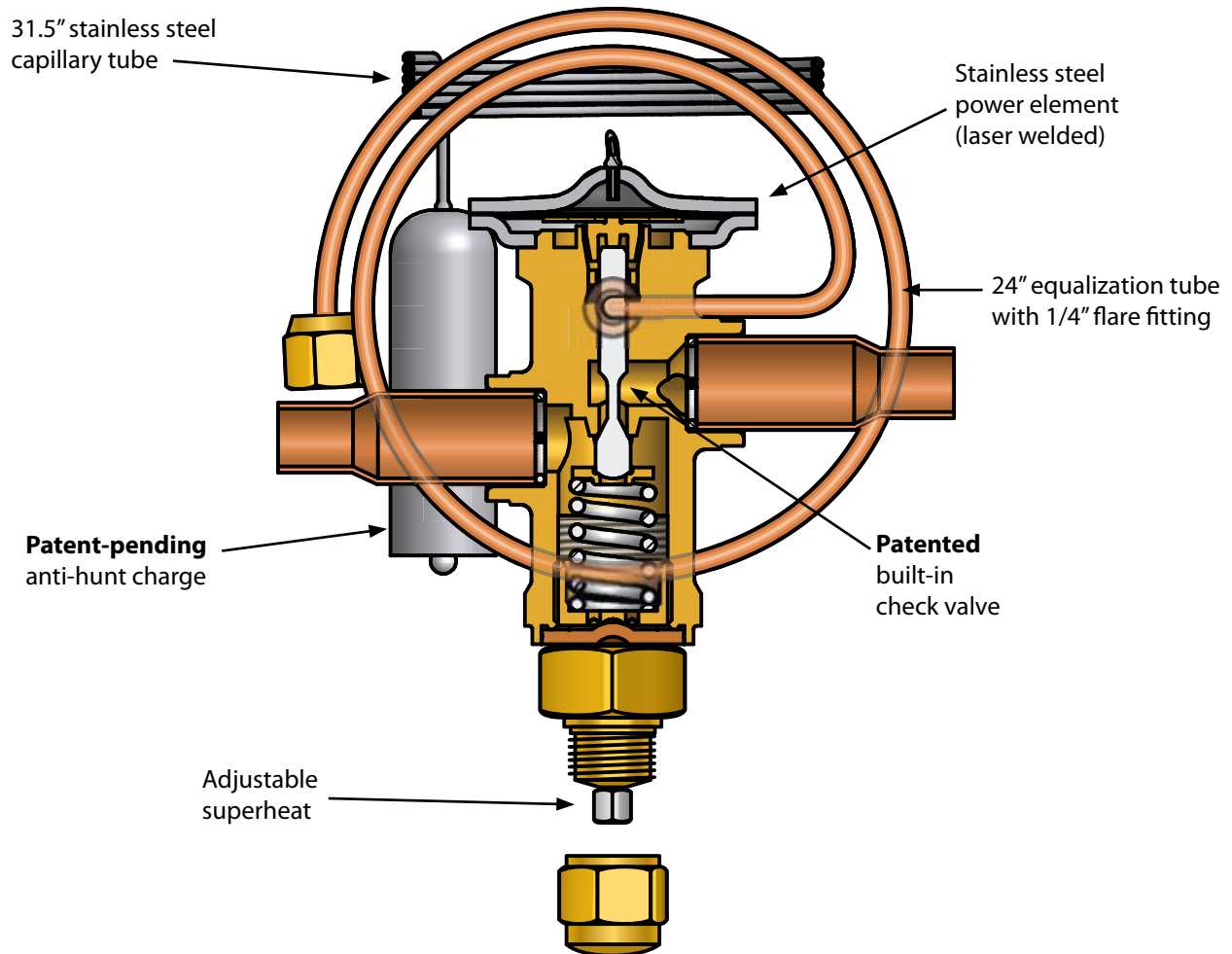
Kit includes:

- Valve with 3/8" x 3/8" ODF connections
- Chatleff and Aeroquip adapters
- Built-in check valve for heat pumps
- 35" foam insulating tape
- **Patented** easy secure copper bulb strap
- Instructions

Refrigerant	System Capacity (TR)	Valve Capacity (TR)	Danfoss Code #	Connections included in Kit		
				3/8 X 3/8 ODF	Chatleff	Aeroquip
R-410A	3	3	067L5955	X	X	X
	4	4	067L5956	X	X	X
	5	5	067L5957	X	X	X
R-22	1, 1.5, 2	3	067L5856	X	X	X
	2.5, 3	3.7	067L5857	X	X	X
	3.5, 4	4.4	067L5858	X	X	X
	5, 6	5.9	067L5859	X	X	X

Adjustable superheat

Equalization line: 24" with flare nut; Capillary tube: 31.5"



Danfoss Inc., Refrigeration & Air Conditioning Division, 7941 Corporate Drive, Baltimore, MD 21236 Tel. 1-888-Danfoss, Fax 410-931-8256
www.danfoss.com/North_America

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Main Features

Stainless steel, hermetically tight solder version

- High connection strength
- High corrosion resistance
- Capillary tube joints of high strength and vibration resistance

Bimetal connections

- Straightforward and fast soldering (no wet cloth or refrigeration pliers required).

Laser-welded **power element** in stainless steel

- Longer diaphragm life
- High pressure tolerance and working pressure
- High corrosion resistance

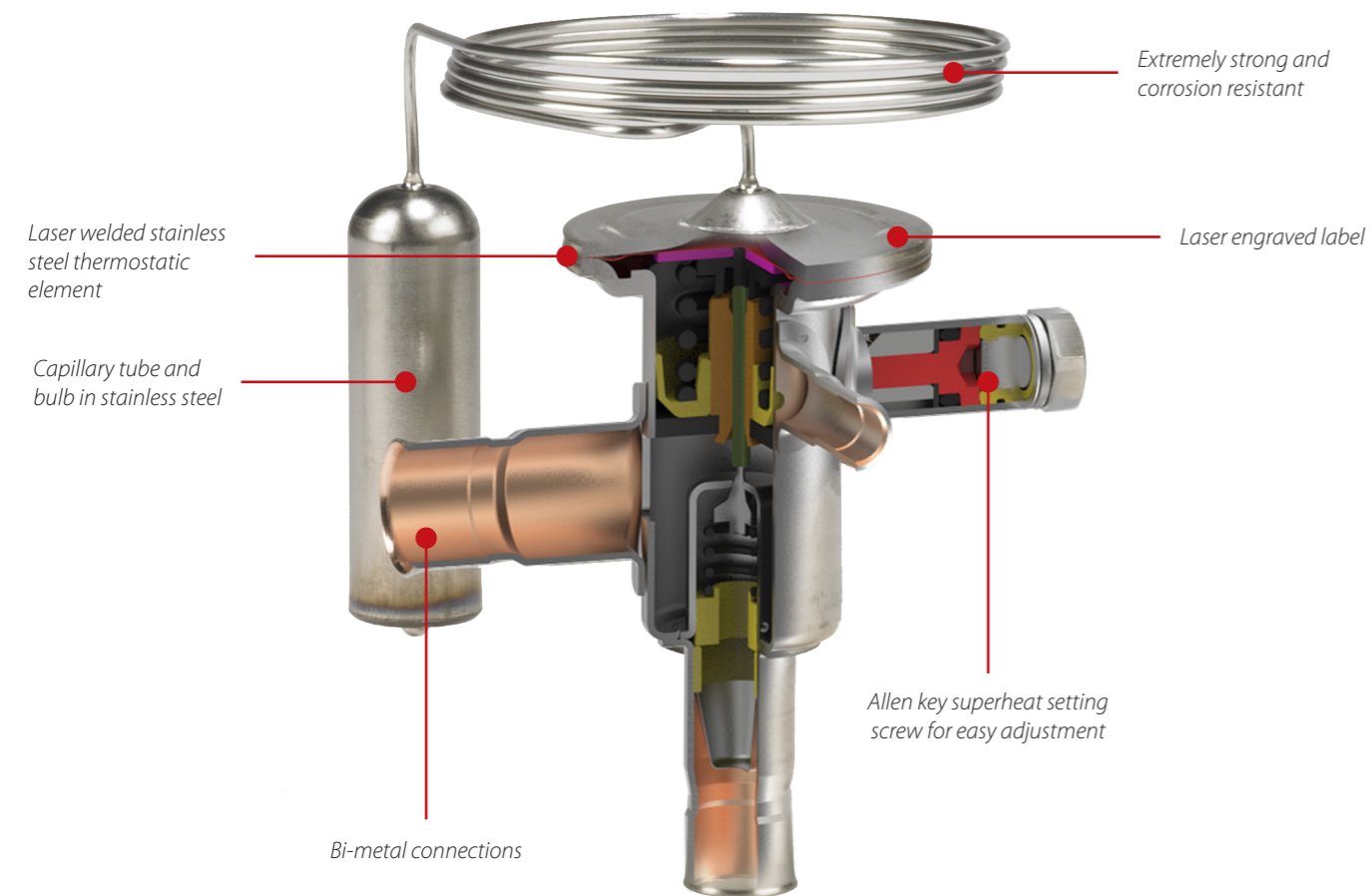
Compact design

- Small dimensions and low weight

Can be supplied with **MOP**

(Maximum Operating Pressure)

- Protects the compressor motor against excessive evaporating pressure during normal operation



TUBE Thermostatic Expansion Valve



For more information, please check Coolselector.danfoss.com

Learn more at ra.danfoss.com

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Achieve the highest precision flow control - regardless of the system conditions

Wide range of thermostatic expansion valves

Future proof

Qualified for A2L and natural refrigerants



Choose the optimum solution



Type		TD1 series	T2 series	TUA series	TUB series	TCAE	TCBE	TR6 ⁽⁵⁾	TGE series	TE 5 - TE 55 series	
		• Designed for small applications • Wide temperature range	• Standard valve for multiple applications	• Compact design and light weight • With steel / copper bi-metal connections for fast soldering		• Compact design and light weight • With steel / copper bi-metal connections for fast soldering		• Compact design and light weight • With steel / copper bi-metal connections for fast soldering	• With dual diaphragm for long lifetime	• Supplied as Parts programme - element, orifice and valve body	
Main applications	A/C Systems										
	Transport Refrigeration										
	Display Cabinets										
	Ice Making Machine										
	Water Chiller										
	Cold Room										
	Heat Pumps										
Main Characteristics (sub types)	Orifice type	Fixed	Exchangeable	Exchangeable	Fixed	Exchangeable	Fixed	Fixed	Fixed	Exchangeable	
	Superheat	Fixed / Adjustable	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable	Adjustable	
	Equalisation	Internal • TD 1 External • TDE 1	Internal • T2 External • TE2	Internal • TUA External • TUAE	Internal • TUB External • TUBE	External	External	External	External	External	
	Max. working pressure (PS)	34 bar	34 bar	34 bar (R410A: 45.5 bar)	34 bar (R410A: 4.5 bar)	34 bar (R410A: 45.5 bar)	34 bar (R410A: 45.5 bar)	49 bar	46 bar	28 bar	
Technical Specifications	Capacity for:	R134a/R513A	0.4 – 3.8 kW • 0.1 – 1.1 TR	0.5 – 8.6 kW • 0.1 – 2.5 TR ⁽²⁾	0.2 – 7.7 kW • 0.1 – 2.2 TR ⁽²⁾		7.7 – 16.5 kW • 2.2 – 4.7 TR ⁽²⁾		–	6 – 102 kW • 1.5 – 29 TR	5 – 165 kW • 1.5 – 47 TR
		R448A/R449A	0.9 – 6.7 kW 0.2 – 1.9 TR	0.9 – 19.8 kW • 0.2 – 5.7 TR ⁽³⁾ 0.8 – 19.1 kW • 0.2 – 5.5 TR ⁽⁴⁾	0.4 – 13.9 kW • 0.1 – 4.1 TR ⁽³⁾ 0.4 – 13.6 kW • 0.1 – 4.2 TR ⁽⁴⁾		17.6 – 25.1 kW • 5.1 – 7.4 TR ⁽³⁾ 16.9 – 23.9 kW • 4.9 – 7 TR ⁽⁴⁾		–	–	9 – 225 kW 2.5 – 64 TR
		R452A	0.7 – 5.6 kW • 0.2 – 1.6 TR	0.6 – 15.8 kW • 0.2 – 4.4 TR	0.2 – 7.2 kW • 0.1 – 2.1 TR		12.6 – 18.1 kW • 3.6 – 5.2 TR		–	–	7 – 172 kW • 2 – 49 TR
		R407C	0.5 – 5.3 kW • 0.1 – 1.5 TR	0.9 – 19.7 kW • 0.2 – 5.6 TR	0.4 – 14 kW • 0.1 – 3.9 TR	0.4 – 13.9 kW • 0.1 – 3.9 TR	17.8 – 25.3 kW • 5.0 – 7.1 TR	17.8 – 25.3 kW • 5.07 – 7.1 TR	9.8 – 21.1 kW • 2.8 – 6 TR	9 – 148 kW • 2.5 – 42 TR	11 – 232 kW • 3 – 66 TR
		R404A	0.4 – 4.2 kW • 0.1 – 1.2 TR	–	–	–	–	–	–	7 – 105 kW • 2 – 30 TR	7 – 183 kW • 2 – 52 TR
		R1234yf	Not Approved	0.5 – 7.3 kW • 0.1 – 2.1 TR	0.3 – 6.6 kW • 0.1 – 1.9 TR		–		–	Not Approved	5.6 – 24.8 kW • 1.6 – 7.1 TR ⁽¹⁾
		R454C	Not Approved	0.8 – 14.8 kW • 0.2 – 4.2 TR	0.5 – 11.2 kW • 0.1 – 3.2 TR		–		–	Not Approved	9.1 – 40.7 kW • 2.6 – 11.6 TR ⁽¹⁾
		R455A	⁽⁶⁾	0.9 – 18.3 kW • 0.2 – 5.2 TR	0.5 – 12.9 kW • 0.1 – 3.7 TR		–		–	Not Approved	10.3 – 46.1 kW • 2.9 – 13.1 TR ⁽¹⁾
		R410A	–	–	–	–	–	–	11.2 – 24.6 kW • 3.2 – 7 TR	12 – 182 kW • 3.5 – 52 TR	–
		R452B	–	–	–	–	–	–	–	12 – 208 kW • 3.5 – 59 TR	–
		R454B	–	–	–	–	–	–	12.6 – 26.7 kW • 3.6 – 7.6 TR	14 – 229 kW • 4 – 65 TR	–
		R32	–	–	–	–	–	–	17.6 – 36.2 kW • 5 – 10.3 TR	–	–
		R290	0.6 – 5.6 kW • 0.16 – 1.6 TR	Not Approved	0.49 – 27.9 kW • 0.14 – 7.9 TR		–		–	10 – 152 kW • 3 – 43 TR	Not Approved
Standard temperature ranges available		-40 – 10 °C	-40 – 10 °C	-40 – 10 °C	-40 – 10 °C	-40 – 10 °C	-40 – 10 °C	-10 – 15 °C	-40 – 10 °C	-40 – 10 °C	
		–	-40 – -5 °C	–	-40 – -5 °C	–	-40 – -5 °C	–	–	-40 – -5 °C	
		–	-40 – -15 °C	-40 – -15 °C	-40 – -15 °C	-40 – -15 °C	-40 – -15 °C	–	–	-40 – -15 °C	
		–	-60 – -25 °C	-60 – -25 °C	-60 – -25 °C	-60 – -25 °C	-60 – -25 °C	–	–	-60 – -25 °C	
		-25 – 10 °C	–	–	–	–	–	–	-25 – 10 °C	–	
		–	–	–	–	–	–	–	-30 – 15 °C	–	
Valve body configuration	Angleway / Straightway	Angleway	Straightway	Angleway / Straightway	Straightway	Straightway	Straightway	Straightway	Angleway / Straightway		
Connections	Copper solder	SAE Flare / Copper solder	Bi-metal solder	Bi-metal solder	Bi-metal solder	Bi-metal solder	Bi-metal solder	Copper solder / Flare / Threaded version	Copper solder / Flare / MIO / ORFS	Brass solder / Flange / Flare	
Approvals	UL (angleway only)	GOST / EAC	GOST	GOST	GOST	GOST	GOST	UL	UL • GOST	GOST	
Materials	Element	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	
	Valve body	Brass	Brass	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Brass	Brass	Brass	
	Bulb and capillary tube	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel	

⁽¹⁾ Capacity data is only for TE 5 ⁽²⁾ Capacities are for R513A only ⁽³⁾ Capacities are for R448A only ⁽⁴⁾ Capacities are for R449A only

⁽⁵⁾ TR6 is for North America only ⁽⁶⁾ Approved but capacity data not available yet