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MANUFACTURER’S DECLARATION

Danfoss A/S

Refrigeration and Air Conditioning Controls

declares under our sole responsibility that the

**Product category:** Thermostatic Expansion Valves

**Type designation(s):** T/TE 2, TUA / TUAE, TUB / TUBE, TUC / TUCE, TCAE / TCBE / TCCE, TUH / TCHE, Incl. Accessories and Spart parts

Covered by this declaration is in conformity with the following directive(s), standard(s) or other normative document(s), provided that the product is used in accordance with our instructions.

**Pressure Equipment Directive PED 2014/68/EU**

Maximum allowable Working Temperature: +100 °C (+212 °F) and

Maximum Working Pressure: 34 to 45,5 bar (depending on refrigerant)

Maximum Working Pressure for CO2 TE2 valves: 90 bar.

Nominal bore: DN 6-16 mm or 1/4 - 5/8 inch, Category: a4p3.

**TUB / TUBE, TUC / TUCE, TCBE / TCCE, TUH / TCHE valves and T/TE2 valves with solder/solder adaptors**

Fluid group I\* and II

\*For more info see Danfoss product store

**TUA/TUAE, TCA/TCAE and T/TE2 valves with flare/flare adaptors**

Fluid group I\* and II

\*For more info see Danfoss product store

(Note Flare connections are only approved for A1 and A2L refrigerants)

**Refrigerating systems and heat pumps – Qualification of tightness of components and joints Standard EN ISO 14903:2017**

TYPES	Tightness level
TUB/TUBE, TUC/TUCE, TCBE, TCCE, TUH, TCHE :	A1
TUA/TUAE, TCAE, T/TE 2 and Solder adapters for T/TE 2:	B1

Tightness level A1: Hermetically sealed components

Tightness level B1: Closed joints components

**RoHS Directive 2011/65/EU including amendment 2015/863**

EN IEC 63000:2018. Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.

Above mentioned products conform with the restrictions as specified in Annex II of the RoHS

Directive 2011/65/EU, except for a specific component which however conforms with the exemption 6 (a) and 6 (c) as specified in Annex III of the RoHS Directive 2011/65/EU.

**Ignition Hazard Assessments for component(s) used in fluid group I were conducted in accordance to**

EN ISO 80079-36 Non-electrical equipment for explosive atmospheres – Basic method and requirements

The component(s) do not have its own source of ignition according to 2014/34/EU, Article 2 when operated as intended in normal conditions (Category3, Zone 2)

Equipment used for the above condition must be designed, installed and maintained according to:

IEC/EN 60335-2-24/ IEC/EN 60335-2-40/ IEC/EN 60335-2-89/ EN378/ ISO5149/ GBT9237 or equivalent standards

Date: 2024-05-10  Place of issue: DK6430 Nordborg	Issued by  Signature: Name: Per Brüggert Title: Design Engineer	Date: 2024-05-10  Place of issue: DK6430 Nordborg	Approved by  Signature: Name: Jesper Kirkegaard Title: Engineering Director
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