



Danfoss A/S

6430 Nordborg
Denmark
CVR nr.: 20 16 57 15

Telephone: +45 7488 2222
Fax: +45 7449 0949

MANUFACTURER'S DECLARATION

Danfoss A/S

Danfoss Cooling Segment

declares under our sole responsibility that the

Product category : Thermal Expansion Valves, Capacity Regulator, Flare/Solder Adaptor, Liquid Distributor

Type designation(s):

- Thermal Expansion Valves Type TD1/TDE1
Type TE5-TE12-TE20-TE55
Type TGE10-TGE20-TGE40
- Capacity Regulator Type TGHE10-TGHE20-TGHE40
- Flare/solder Adaptor Type FSA
- Liquid Distributor Type RD21-RD26-RD27-RD33-RD42-RD49-RD62-RD79-RD85

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 2014/68/EU

| Types | DN (mm) | PS (bar) | Fluid Group | PED category | Standard | Additional standard |
|----------|---------|----------|-------------------|------------------------|---|------------------------------|
| TD1/TDE1 | 6~12 | 34 | II ⁽¹⁾ | Article 4, Paragraph 3 | PED 2014/68/EU EN12284:2003 ⁽³⁾ | N/A |
| TD1/TDE1 | 6~12 | 34 | I ⁽²⁾ | | | |
| RD | 12-28 | 48 | II | | | |
| TGE/TGHE | 6~32 | 49 | II | | | |
| TGE/TGHE | 6~25 | 49 | I | | | CAS85535-84-8 ⁽⁴⁾ |
| TE5-55 | 12~25 | 28 | I | | | |
| TE5-55 | 12~32 | 28 | II | | | |
| FSA | 6~18 | 46 | I & II | | | |

Note:

1. Fluid group II (non-toxic and non-flammable refrigerants);
2. Fluid group I (flammable or toxic refrigerants);
 - Solder connection is approved for the qualified A2L, A2, A3 refrigerants, see datasheet

| | | | |
|-------------------------------------|--|-------------------------------------|--|
| Date: 2020.12.28 Place of issue: | Issued by <i>Fan Zuo</i> Signature: Name: Fan zuo Title: Lead Design Engineer | Date: 2020.12.28 Place of issue: | Approved by <i>Xiao Jing</i> Signature: Name: Jing (Amy) Xiao Title: Director of RD&E , RAC-RPC |
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Danfoss only vouches for the correctness of the English version of this declaration. In the event of the declaration being translated into any other language, the translator concerned shall be liable for the correctness of the translation

- Flare/MIO/ORFS connections are only approved for the qualified A2L refrigerants, see datasheet
- 3. EN 12284: 2003 "Refrigerating systems and heat pumps – Valves – Requirements, Testing and marking";
- 4. Regulation of Kingdom of Norway, FOR-2004-06-01-922 "Product Control Regulation", §2-4. Short-chained chlorinated paraffin's.

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: IEC60335-2-24/IEC60335-2-40/IEC60335-2-89/ EN378/ ISO5149/ GBT9237 or equivalent standards.