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MANUFACTURER’S DECLARATION

Danfoss A/S

Refrigeration & Air Conditioning Controls

declares under our sole responsibility that the

Product category: Solenoid valve

Type designation(s):

Valves: EVR - EVRH - EVRP - EVRC - EVU - EVUL - EVUB - EVUF - EVO - AKV - AKVH – AKVO – AKV 10P – AKV 10PS – EVRF- EVT

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.

| Types | Range | DN | PS (bar) | Fluid Group | Ts (°C) | PED category |
|--------------------------------|------------|-------|-------------|----------------|-------------|------------------------|
| EVR (032FXXXX /042HXXXX) | 2 to 3 | 5-8 | 49 | 1*,2 | -40 to +105 | Article 4, Paragraph 3 |
| | 4 to 8 | 5-8 | 45,2 | 1*,2 | | Article 4, Paragraph 3 |
| | 10 | 10 | 35 | 1*,2 | | Article 4, Paragraph 3 |
| | 15 to 22 | 15-25 | 32 | 1*,2 | | Article 4, Paragraph 3 |
| | 20 to 22 | 32 | 32 | 2 | | Article 4, Paragraph 3 |
| | 25-32 | 25-32 | 32 | 2 | | Article 4, Paragraph 3 |
| EVR (032LXXXX) | 4 to 22 | 5-25 | 49 | 1*,2 | -40 to +105 | Article 4, Paragraph 3 |
| | 20 to 22 | 32 | 45,2 | 2 | | Article 4, Paragraph 3 |
| | 25 | 25 | 45,2 | 1*,2 | | Article 4, Paragraph 3 |
| | 32 | 28-32 | 45,2 | 2 | | Article 4, Paragraph 3 |
| EVRH | 10 to 40 | 6-32 | 45,2 | 2 | -40 to +105 | Article 4, Paragraph 3 |
| EVRP | 1,4 to 3,0 | 8-10 | 35 | 2 | -40 to + 70 | Article 4, Paragraph 3 |
| | 6 | 12 | 28 | 2 | -40 to +120 | Article 4, Paragraph 3 |
| | 10 | 10 | 42 | 1**,2 | -40 to +120 | Article 4, Paragraph 3 |
| EVU | 1 to 8 | 6-12 | 70 | 1****,2 | -40 to +105 | Article 4, Paragraph 3 |
| EVUL | 1 to 8 | 6-12 | 90 | 1****,2 | -40 to +105 | Article 4, Paragraph 3 |

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|------------------|-----------|--|------------------|-------------|---|
| Date: 2025-02-05 | Issued by | Signed by: Tomasz Zawadzki Signature: 9A661952857C43B... Name: Tomasz Zawadzki Title: Design Engineer | Date: 2025-02-05 | Approved by | DocuSigned by: <i>Malgorzata Wojtan</i> Signature: 15B4BC61456D459... Name: Małgorzata Wojtan Title : Senior RD&E Manager |
|------------------|-----------|--|------------------|-------------|---|

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

| | | | | | | |
|----------|------------|-------|------|----------|-------------|------------------------|
| EVO | 100 to 105 | 6-25 | 45,2 | 1***, 2 | -40 to +105 | Article 4, Paragraph 3 |
| AKV | 10-1 to 6 | 10-12 | 52 | 2 | -50 to +60 | Article 4, Paragraph 3 |
| | 10-7 | 12-15 | 42 | 2 | | Article 4, Paragraph 3 |
| | 15-1/2/3 | 18-28 | 46 | 2 | | Article 4, Paragraph 3 |
| | 15-4 | 18-28 | 46 | 2 | | Article 4, Paragraph 3 |
| | 20-1 to 5 | 32 | 28 | 2 | -40 to +60 | Article 4, Paragraph 3 |
| AKVH | 10-1 to 6 | 10-12 | 90 | 2 | -50 to +60 | Article 4, Paragraph 3 |
| AKVO | 10 | 10-15 | 28 | 2 | -50 to +60 | Article 4, Paragraph 3 |
| AKV 10P | 10P0 to 8 | 10-15 | 90 | 1****, 2 | -50 to +60 | Article 4, Paragraph 3 |
| AKV 10PS | 10P4 to 8 | 10-15 | 90 | 1****, 2 | -50 to +60 | Article 4, Paragraph 3 |
| EVT | 1,2 to 3,0 | 6 | 140 | 2 | -40 to +150 | Article 4, Paragraph 3 |
| EVUB | - | - | 45,2 | 2 | -40 to +105 | Article 4, Paragraph 3 |
| EVUF | - | - | 45,2 | 2 | -40 to +105 | Article 4, Paragraph 3 |
| EVRF | - | - | 42 | 1, 2 | -40 to +120 | Article 4, Paragraph 3 |
| EVRC | 10 | 12 | 35 | 1****, 2 | -40 to +105 | Article 4, Paragraph 3 |
| | 15 to 20 | 15-22 | 32 | 1****, 2 | | Article 4, Paragraph 3 |

* Fluid Group 1 (EVR 2-25 solder connection without manual stem) only includes R290, R600a, R600, R32, R1234yf, R152A, R444B, R452B, R454A, R454B, R454C, R455A, R516A

Note: Excluded are connections 1 3/8 inch / 35mm related to PED requirements.

* Fluid Group 1 (EVR 2-15 Flare connection without manual stem) only include R32, R1234yf, R152A, R452B, R454B, R454A, R454C, R444B, R455A R516A

Note : Flare connections are only approved for A1 and A2L refrigerants.

** Fluid Group 1 (EVRP 10) only includes R290

*** Fluid Group 1 (EVO 100-105 solder connection) only includes R290, R600a, R600, R32, R1234yf, R152A

**** Fluid Group 1 (EVU, EVUL, AKV 10P/PS) only includes R290, R600a, R600, R32, R1234yf, R444B, R452B, R454A, R454B, R454C, R455A, R516A

***** Fluid Group 1 (EVRC 10-20 solder connection without manual stem) only includes R290, R600a, R600, R32, R1234yf, R452B, R454B

EVRF – PS (Bar) / Fluids (Refrigerants) / Ts (media temperature °C) to be found on Engineering sheet

Pressure Equipment Directive 2014/68/EU (PED)

EN ISO 21922 : 2021 Refrigerating systems and heat pumps. Valves. Requirements, testing and marking.

EN 378-2: 2016 Refrigerating systems and heat pump – Safety and environmental.

Ignition Hazard Assessments for component(s) used in fluid group 1 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.